

RESOLUTION NO. 540

RESOLUTION OF THE BOARD OF DIRECTORS  
OF THE PUGET SOUND AIR POLLUTION  
CONTROL AGENCY ADOPTING MODIFIED  
PARTICULATE SOURCE TEST PROCEDURES

WHEREAS, Regulation I Section 9.09(f) requires procedures for source sampling performed in connection with standards of Regulation I and II for particulate and gases to be done using current Environmental Protection Agency requirements or procedures and definitions adopted by the Board; and

WHEREAS, to conform to current safe and less toxic chemical storage, the particulate measurement procedures currently used by the Agency have been proposed for modification; and

WHEREAS, the Expanded Advisory Council reviewed and approved said source test laboratory procedure modifications; and

WHEREAS, a public hearing was held by the Puget Sound Air Pollution Control Agency Board of Directors on August 11, 1983, to allow public input and critique on the proposal; and

WHEREAS, the Board deems it necessary to adopt said modification to source test procedures; now therefore,

BE IT RESOLVED BY THE BOARD OF PUGET SOUND AIR POLLUTION CONTROL AGENCY:

The Board of Directors does hereby adopt the modifications to the source test procedures, a copy of which is attached hereto and made a part hereof.

PASSED AND APPROVED by the Board of Directors of the Puget Sound Air Pollution Control Agency held this 11<sup>th</sup> day of August, 1983.

PUGET SOUND AIR POLLUTION CONTROL AGENCY

By [Signature]  
Chairman

Attest:

[Signature]  
Air Pollution Control Officer

Approved as to form:

[Signature]  
Agency Attorney

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**Proposed Revised PSAPCA  
Particulate Source Test Procedures**

**Engineering Division  
Puget Sound Air Pollution Control Agency  
200 West Mercer Street, Room 205  
P.O. Box 9863  
Seattle, Washington 98109**

**June 9, 1983**

## I. Procedures for Particulate Source Sampling

Unless otherwise authorized by the Control Officer, all particulate source sampling performed to demonstrate compliance with the emission standards of Regulation I shall be done using current Environmental Protection Agency Methods 1-5 contained in 40 CFR Part 60, Appendix A, as modified in Section II of this document.

## II. Procedure for Determining Particulate Matter in the Impinger Catch (Back Half)

The analysis and calculations for Method 5 shall conform to that described by EPA in the current 40 CFR Part 60, Appendix A, except that the back half catch shall be included as particulate matter. The back half weight is the sum of the impinger catch (organic and inorganic) and the back half acetone rinse weights.

### A. Sample Recovery of the Back Half

#### 1. Purging

Whenever SO<sub>2</sub> interference is suspected, purge the impingers immediately after the test run is complete with N<sub>2</sub> or clean air for a minimum of one-half the sample volume.

#### 2. Impinger Liquid

Measure the volume of water collected in all impingers and place the water from the first three impingers in a container. Thoroughly rinse all sample-exposed surfaces between the filter and fourth impinger with water and place in above container.

#### 3. Acetone Rinse

Thoroughly rinse all sample-exposed surfaces between the filter and the fourth impinger with acetone and place the washings in a tared beaker to dry.

### B. Analysis of the Back Half

#### 1. Impinger Liquid Extraction

- a. Add 50-100 ml of dichloromethane to the impinger liquid.
- b. Spin for at least ten minutes.

- c. Pour the liquid into a separatory funnel and drain the organic phase into a tared beaker (organic fraction).
- d. Drain the remaining liquid into a beaker and repeat Steps a, b, and c. Perform the extraction several times with fresh dichloromethane until the organic fraction is clear. Keep each organic extraction in a separate beaker.
- e. Following the last extraction, drain the remaining liquid from the separatory funnel into a tared beaker (inorganic fraction).
- f. Allow the organic fraction beakers to dry under a hood at room temperature.
- g. Evaporate the inorganic fraction in such a manner that the beaker contents do not become exposed to temperatures greater than 212°F.
- h. Dry weighed beakers containing a sample of the acetone, dichloromethane and a sample of distilled deionized water to check for blank weight.
- i. Desiccate organic, inorganic and blank beakers for at least 24 hours at room temperature in a desiccator containing silica gel. Weigh to a constant weight and report the results to the nearest 0.1 mg. Constant weight is defined in Section 4.3 of Method 5.

2. Back Half Acetone Rinse

- a. Dry the acetone rinse in a hood at room temperature.
- b. Desiccate and weigh the beaker to constant weight and record.

C. Reagents

1. Water

Use distilled deionized water in the impingers and to rinse all glassware.

2. Acetone

Use reagent grade,  $\leq 0.001$  percent residue in glass bottles.

3. Dichloromethane

Use reagent grade,  $\leq 0.001$  percent residue in glass bottles.

STATE OF WASHINGTON DEPARTMENT OF ECOLOGY

SOURCE TEST METHOD 9A

VISUAL DETERMINATION OF OPACITY FOR A THREE MINUTE STANDARD

1. Principle

The opacity of emissions from stationary sources is determined visually by a qualified observer.

2. Procedure

The observer must be certified in accordance with the provisions of Section 3 of 40 CFR Part 60, Appendix A, Method 9, as in effect on July 1, 1990, which are hereby adopted by reference.

The qualified observer shall stand at a distance sufficient to provide a clear view of the emissions with the sun oriented in the 140° sector to his back. Consistent with maintaining the above requirement, the observer shall, as much as possible, make his observations from a position such that his line of vision is approximately perpendicular to the plume direction, and when observing opacity of emissions from rectangular outlets (e.g., roof monitors, open baghouses, noncircular stacks), approximately perpendicular to the longer axis of the outlet. The observer's line of sight should not include more than one plume at a time when multiple stacks are involved, and in any case, the observer should make his observations with his line of sight perpendicular to the longer axis of such a set of multiple stacks (e.g., scrub stacks on baghouses).

The observer shall record the name of the plant, emission location, type of facility, observer's name and affiliation, and the data on a field data sheet. The time, estimated distance to the emission location, approximate wind direction, estimated wind speed, description of the sky condition (presence and color of clouds), and plume background are recorded on a field data sheet at the time opacity readings are initiated and completed.

The observer should make note of the ambient relative humidity, ambient temperature, the point in the plume that the observations were made, the estimated depth of the plume at the point of observation, and the color and condition of the plume. It is also helpful if pictures of the plume are taken.

Opacity observations shall be made at the point of greatest opacity in the portion of the plume where condensed water vapor is not present. The observer shall not look continuously at the plume, but instead shall observe the plume momentarily at 15-second intervals.

When condensed water vapor is present within the plume as it emerges from the emission outlet, opacity observations shall be made beyond the point in the plume at which condensed water vapor is no longer visible.

When water vapor in the plume condenses and becomes visible at a distinct distance from the emission outlet, the opacity of emissions should be evaluated at the emission outlet prior to the condensation of water vapor and the formation of the steam plume.

Opacity observations shall be recorded to the nearest 5 percent at 15-second intervals on an observational record sheet. Each momentary observation recorded shall be deemed to represent the average opacity of emissions for a 15-second period.

### 3. Analysis

The opacity of the plume is determined by individual visual observations. Opacity shall be reported as the range of values observed during a specified time period, not to exceed 60 consecutive minutes. The opacity standard is exceeded if there are more than 12 observations, during any consecutive 60-minute period, for which an opacity greater than the standard is recorded.

### 4. References

Federal Register, Vol. 36, No. 247, page 24895, Dec. 23, 1971.

"Criteria for Smoke and Opacity Training School 1970-1971" Oregon-Washington Air Quality Committee.

"Guidelines for Evaluation of Visible Emissions" EPA 340/1-75-007.

RESOLUTION NO. 644

RESOLUTION OF THE BOARD OF DIRECTORS OF  
THE PUGET SOUND AIR POLLUTION CONTROL  
AGENCY AMENDING REGULATION I BY AMENDING  
SECTIONS 1.07(bbb), 9.12, 9.15, 12.01, 12.02, 12.03,  
12.04, AND 12.05

WHEREAS, the Board of Directors of the Puget Sound Air Pollution Control Agency deems it necessary to amend Regulation I to establish odor and nuisance control measures, clarify the fugitive dust control requirements and establish performance standards for gaseous continuous emission monitors; and

WHEREAS, a threshold determination of environmental impact has been made and a Declaration of Nonsignificance has been issued dated July 10, 1989; and

WHEREAS, the Board established August 10, 1989 as the date of the public hearing on the proposed amendments and additions to Regulation I; and

WHEREAS, the Board has considered the public comments and the staff report; and

WHEREAS, the Board deems it in the interest of the health, safety and welfare of the inhabitants of the area served by the Puget Sound Air Pollution Control Agency that revisions of Regulation I be adopted as set forth below; Now, therefore,

BE IT RESOLVED BY THE BOARD OF DIRECTORS OF THE PUGET SOUND AIR POLLUTION CONTROL AGENCY:

Section 1: Section 1.07(bbb) of Regulation I is hereby amended to read as follows:

(bbb) "Fugitive dust" means particulate matter or any visible air contaminant other than uncombined water that is not collected by a capture system and emitted from a stack, but is released to the atmosphere at the point of generation.

Section 2: Section 9.12 of Regulation I is hereby amended to read as follows:

SECTION 9.12 ODOR AND NUISANCE CONTROL MEASURES

(a) It is the policy of the Board that effective control apparatus and measures shall be installed and operated to control the emission of odor-bearing air contaminants and thereby prevent air pollution.

(b) It shall be unlawful for any person to cause or allow the emission of odor-bearing air contaminants unless such person uses the best available control technology to control the emissions.

Section 3: Section 9.15 of Regulation I is hereby amended to read as follows:

SECTION 9.15 FUGITIVE DUST: EMISSION STANDARD

(a) It shall be unlawful for any person to cause or allow the emission of fugitive dust unless such person uses the best available control technology to control the emissions.

(b) It shall be unlawful for any person to cause or allow a vehicle to be operated on a paved roadway open to the public:

(1) unless such vehicle is so constructed or loaded as to prevent any of its load from dropping, sifting, leaking, or otherwise escaping therefrom, except that sand may be dropped for the purpose of securing traction, and except road construction and maintenance by public agencies.

(2) with a load of dirt, sand, gravel or other material susceptible to being dropped, spilled or otherwise escaping therefrom unless it is covered or has adequate freeboard so as to prevent spillage.

(3) with deposits of mud, dirt, or other debris on the vehicle's body, fenders, frame, undercarriage, wheels, or tires.

Deposits of particulate matter on a paved roadway open to the public shall be prima facie evidence of a violation of subsection 9.15(b).

(c) It shall be unlawful for any person to cause or allow the emission of fugitive dust from any refuse burning equipment, fuel burning equipment, equipment used in a manufacturing process, or control apparatus.

(d) It shall be unlawful for any person to cause or allow the emission of fugitive dust in sufficient quantities and of such characteristics and duration as is, or is likely to be, injurious to human health, plant or animal life, or property, or which unreasonably interferes with enjoyment of life and property.

Section 4: Article 12 of Regulation I is hereby amended to read as follows:

ARTICLE 12  
STANDARDS OF PERFORMANCE  
FOR CONTINUOUS EMISSION MONITORING SYSTEMS

SECTION 12.01 INTRODUCTION

Section 12.02 requires the continuous monitoring and periodic source testing of particulate matter emitted from certain sources which could have a substantial impact on the maintenance of ambient air quality standards for particulate matter. It also requires continuous emission or operation monitors for certain new sources. Nothing in Section 12.02 shall be construed to limit the Control Officer's authority to require continuous monitoring or source testing pursuant to Articles 3 or 6 of this Regulation.

Sections 12.03 and 12.04 establish the design specifications, performance specifications, performance test procedures, quality assurance requirements, and data storage and reporting requirements for all continuous emission monitoring (CEM) systems.

A CEM system will be considered inoperative until it has been certified as meeting the EPA or Agency performance specifications using instrumental performance test procedures of 40 CFR Part 60, Appendix B, or those approved by the Agency. The Agency must be advised in writing at least two weeks prior to performance specification testing and provided the opportunity to observe and participate in all testing. The Agency reserves the right to require an approved test plan prior to any performance specification testing and to audit a CEM system at any time to determine if it meets the performance specifications.



## SECTION 12.02 CONTINUOUS EMISSION MONITORING REQUIREMENTS

(a) It shall be unlawful for any person to cause or allow the operation of the following equipment without the continuous monitoring of emissions for opacity in accordance with the requirements of Sections 12.03 and 12.04:

- (1) Cement kilns;
- (2) Clinker coolers;
- (3) Glass furnaces rated at greater than one ton of glass per hour burning fuel;
- (4) Fuel burning equipment (excluding equipment burning distillate oil or gaseous fuel) rated at 100 million Btu per hour or greater.

(5) Refuse burning equipment rated at greater than 12 tons per day.

(b) It shall be unlawful for any source above to operate using a wet control apparatus unless:

(1) The suspended and dissolved solids are checked using procedures approved by the Agency and the following continuous operation monitoring devices are installed, calibrated, maintained and operated and the results recorded:

(i) A monitoring device for the continuous measurement of the pressure loss of the gas stream through the scrubber.

(ii) A monitoring device for continuous measurement of the scrubbing liquid supply rate to the control device.

(iii) A monitoring device for the continuous measurement of the exhaust gas temperature of the scrubber.

(2) All sources subject to the requirements of this section are tested for particulate matter at least once per year using procedures adopted by the Board. The operation standards shall be set by the Control Officer based on the operating conditions of the wet control device during the source test.

(c) It shall be unlawful for any person to cause or allow the operation of any equipment which is required to use CEM through an Order of Approval without the continuous monitoring of the emissions or operations in accordance with the requirements of Sections 12.03 and 12.04.

## SECTION 12.03 QUALITY ASSURANCE REQUIREMENTS

(a) All continuous monitors shall meet the performance specifications contained in 40 CFR Part 60, Appendix B. Where there is no EPA performance specification the monitor shall meet a performance specification established by the Agency.

(b) All temperature monitors shall be accurate within 5° F.

(c) All devices for monitoring pressure loss through a scrubber shall be accurate within one inch of water.

(d) All devices for monitoring scrubber liquid supply rate shall be accurate within 5 percent of the design scrubbing liquid supply rate.

(e) All gaseous continuous emission monitors shall be maintained in accordance with the requirements of 40 CFR Part 60, Appendix F, or alternate requirements approved by the Agency.

(f) All continuous opacity monitors shall be maintained in accordance with the EPA "Recommended Quality Assurance Procedures for Opacity Continuous Emission Monitoring Systems" (EPA 340/1-86-010).

(g) All temperature, scrubber pressure drop and scrubber liquid supply rate monitors shall be maintained in accordance with the manufacturer's recommendations.

(h) Continuous monitoring data shall be considered invalid if any of the following conditions occur:

- (1) The monitor is not operated in accordance with the requirements of Sections 12.03(a) through (g).
- (2) The monitor is being zeroed, spanned or is otherwise inoperative.
- (3) An hour contains less than 75 percent valid data readings.
- (4) A day contains less than 90 percent valid hours when the source is in operation.

#### SECTION 12.04 RECORD KEEPING AND REPORTING REQUIREMENTS

(a) Valid monitoring results for opacity shall be reduced to one minute averages on a clock basis.

(b) Valid monitoring results for scrubber operation shall be reduced to one hour averages on a clock basis in units consistent with the applicable operation standard.

(c) Valid monitoring results for gaseous pollutants shall be reduced to one hour averages on a clock basis, or other time periods approved by the Agency, in units consistent with the applicable emissions standard.

(d) Valid monitoring results for temperature shall be reduced to fifteen minute averages on a clock basis.

(e) A chronological file shall be maintained for each monitoring system which includes:

- (1) All measurements from the monitoring system.
- (2) All valid averages as calculated in (a), (b), (c) and (d) above.
- (3) The cause, time period and magnitude of all emissions or operations which violate the applicable standards.
- (4) The cause and time periods for any invalid data averages.
- (5) Data and results of all performance tests and recalibrations.
- (6) A record of any repairs, adjustments or maintenance to the monitoring system.

(7) Any data necessary for conversion of the monitoring system data to units consistent with the applicable emission or operation standards.

All data shall be retained for a period of two years after the record was made and made available for Agency review upon request.

(f) The following information shall be reported to the Control Officer on a monthly basis within 30 days after the end of the month:

(1) The cause, time periods and magnitudes for all emissions or operations which violate the applicable standards and any corrective action taken.

(2) The cause and time periods of any bypass of the air pollution control equipment.

(3) The cause and time periods for any invalid hours.

(4) The results from all performance tests and recalibrations conducted during the month.

(5) The amount of fuel or refuse burned or the process weight charged to the equipment per day.

(6) The total monthly emissions of all monitored gaseous pollutants.

(7) Any other additional information requested by the Agency.

The report shall be submitted in a format approved by the Control Officer and shall be signed by the person exercising managerial responsibility over the operation of the equipment for which monitoring is required.

**SECTION 12.05 EFFECTIVE DATE**

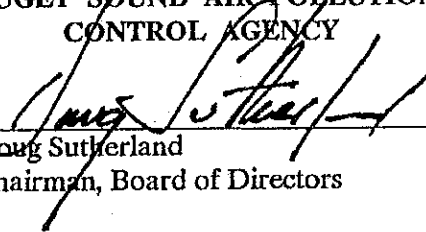
The provisions of Section 12.02(a)(2), shall take effect January 1, 1990.

**Section 5:** This resolution shall be effective on the 10th day of August, 1989.

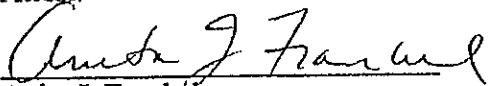
**PASSED AND APPROVED** at a regular meeting of the Board of Directors of the Puget Sound Air Pollution Control Agency on this 10th day of August, 1989.

**PUGET SOUND AIR POLLUTION  
CONTROL AGENCY**

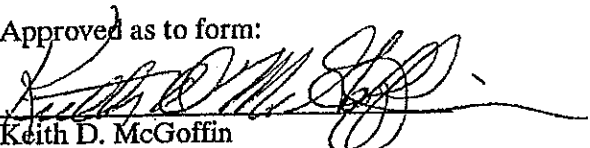
By

  
\_\_\_\_\_  
Doug Sutherland  
Chairman, Board of Directors

Attest:

  
\_\_\_\_\_  
Anita J. Frankel  
Air Pollution Control Officer

Approved as to form:

  
\_\_\_\_\_  
Keith D. McGoffin  
Agency Attorney



# Acid Rain Program

## Instructions for Acid Rain

### Permit Application (40 CFR 72.30- 72.31)

*The Acid Rain Program requires the designated representative to submit an Acid Rain permit application for each source with an affected unit. A complete Certificate of Representation must be received by EPA before the permit application is submitted to the title V permitting authority. A complete Acid Rain permit application, once submitted, is binding on the owners and operators of the affected source and is enforceable in the absence of a permit until the title V permitting authority either issues a permit to the source or disapproves the application.*

Please type or print. The alternate designated representative may sign in lieu of the designated representative. If assistance is needed, contact the title V permitting authority.

**STEP 1** Use the plant name and ORIS Code listed on the Certificate of Representation for the plant. An ORIS code is a 4 digit number assigned by the Energy Information Agency (EIA) at the U.S. Department of Energy to power plants owned by utilities. If the plant is not owned by a utility but has a 5 digit facility code (also assigned by EIA), use the facility code. If no code has been assigned or if there is uncertainty regarding what the code number is, contact EIA at (202) 287-1730 (for ORIS codes), or (202) 287-1927 (for facility codes).

**STEP 2** For column "a," identify each affected unit at the affected source by providing the appropriate unit identification numbers, consistent with the unit identification numbers entered on the Certificate of Representation and with unit identification numbers used in reporting to DOE and/or EIA. For new units without identification numbers, owners and operators may assign such numbers consistent with EIA and DOE requirements.

For columns "c" and "d," enter the commence operation date(s) and monitor certification deadline(s) for new units in accordance with 40 CFR 72.2 and 75.4, respectively.

#### Submission Deadlines

For new units, an initial Acid Rain permit application must be submitted to the title V permitting authority 24 months before the date the unit commences operation. Acid Rain permit renewal applications must be submitted at least 6 months in advance of the expiration of the acid rain portion of a title V permit, or such longer time as provided for under the title V permitting authority's operating permits regulation.

#### Submission Instructions

Submit this form to the appropriate title V permitting authority. If you have questions regarding this form, contact your local, State, or EPA Regional Acid Rain contact, or call EPA's Acid Rain Hotline at (202) 343-9620.

#### Paperwork Burden Estimate

The burden on the public for collecting and reporting information under this request is estimated at 17 hours per response. Send comments regarding this collection of information, including suggestions for reducing the burden, to: Chief, Information Policy Branch (PM-223), U.S. Environmental Protection Agency, 1200 Pennsylvania Ave. NW, Washington, D.C. 20460; and to: Paperwork Reduction Project (OMB#2060-0258), Office of Information and Regulatory Affairs, Office of Management and Budget, Washington, D.C. 20503. **Do not submit forms to these addresses; see the submission instructions above.**

Plant Name (from Step 1) FREDERICKSON POWER
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Step 3,  
Cont'd.**Liability, Cont'd.**

- (5) 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.
- (6) 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<sub>x</sub> 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.
- (7) 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 an owner or operator or designated representative of such source or unit, shall be a separate violation of the Act.

**Effect on Other Authorities**

No provision of the Acid Rain Program, an Acid Rain permit application, an Acid Rain permit, or an exemption under 40 CFR 72.7 or 72.8 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;
- (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;
- (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;
- (4) Modifying the Federal Power Act or affecting the authority of the Federal Energy Regulatory Commission under the Federal Power Act; or,
- (5) Interfering with or impairing any program for competitive bidding for power supply in a State in which such program is established.

**STEP 4****Certification**Read the  
certification  
statement,  
sign, and  
date

I am authorized to make this submission on behalf of the owners and operators of the affected source or affected 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.

Name <b>TIM WISDOM, Plant Manager</b>	
Signature <i>Tim Wisdom</i>	Date <b>December 16, 2004</b>

STEP 3,  
Cont'd.

**Nitrogen Oxides Requirements** The owners and operators of the source and each affected unit at the source shall comply with the applicable Acid Rain emissions limitation for nitrogen oxides.

**Excess Emissions Requirements**

- (1) 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.
- (2) The owners and operators of an affected unit that has excess emissions in any calendar year shall:
  - (i) Pay without demand the penalty required, and pay upon demand the interest on that penalty, as required by 40 CFR part 77; and
  - (ii) Comply with the terms of an approved offset plan, as required by 40 CFR part 77.

**Recordkeeping and Reporting Requirements**

- (1) Unless otherwise provided, the owners and operators of the source and each affected unit at the source 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 permitting authority:
  - (i) 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;
  - (ii) 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.
  - (iii) Copies of all reports, compliance certifications, and other submissions and all records made or required under the Acid Rain Program; and,
  - (iv) 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.
- (2) The designated representative of an affected source and each affected unit at the source 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.

**Liability**

- (1) 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 or 72.8, 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.
- (2) 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.
- (3) 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.
- (4) Each affected source and each affected unit shall meet the requirements of the Acid Rain Program.

Plant Name (from Step 1) FREDERICKSON POWER
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### **Permit Requirements**

#### STEP 3

Read the  
standard  
requirements

- (1) The designated representative of each affected source and each affected unit at the source shall:
  - (i) Submit a complete Acid Rain permit application (including a compliance plan) under 40 CFR part 72 in accordance with the deadlines specified in 40 CFR 72.30; and
  - (ii) Submit in a timely manner any supplemental information that the permitting authority determines is necessary in order to review an Acid Rain permit application and issue or deny an Acid Rain permit;
- (2) The owners and operators of each affected source and each affected unit at the source shall:
  - (i) Operate the unit in compliance with a complete Acid Rain permit application or a superseding Acid Rain permit issued by the permitting authority; and
  - (ii) Have an Acid Rain Permit.

### **Monitoring Requirements**

- (1) The owners and operators and, to the extent applicable, designated representative of each affected source and each affected unit at the source shall comply with the monitoring requirements as provided in 40 CFR part 75.
- (2) The emissions measurements recorded and reported in accordance with 40 CFR part 75 shall be used to determine compliance by the unit with the Acid Rain emissions limitations and emissions reduction requirements for sulfur dioxide and nitrogen oxides under the Acid Rain Program.
- (3) The requirements of 40 CFR part 75 shall not affect the responsibility of the owners and operators to monitor emissions of other pollutants or other emissions characteristics at the unit under other applicable requirements of the Act and other provisions of the operating permit for the source.

### **Sulfur Dioxide Requirements**

- (1) The owners and operators of each source and each affected unit at the source shall:
  - (i) Hold allowances, as of the allowance transfer deadline, in the unit's compliance subaccount (after deductions under 40 CFR 73.34(c)), or in the compliance subaccount of another affected unit at the same source to the extent provided in 40 CFR 73.35(b)(3), not less than the total annual emissions of sulfur dioxide for the previous calendar year from the unit; and
  - (ii) Comply with the applicable Acid Rain emissions limitations for sulfur dioxide.
- (2) 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.
- (3) An affected unit shall be subject to the requirements under paragraph (1) of the sulfur dioxide requirements as follows:
  - (i) Starting January 1, 2000, an affected unit under 40 CFR 72.6(a)(2); or
  - (ii) Starting on the later of January 1, 2000 or the deadline for monitor certification under 40 CFR part 75, an affected unit under 40 CFR 72.6(a)(3).
- (4) Allowances shall be held in, deducted from, or transferred among Allowance Tracking System accounts in accordance with the Acid Rain Program.
- (5) An allowance shall not be deducted in order to comply with the requirements under paragraph (1) of the sulfur dioxide requirements prior to the calendar year for which the allowance was allocated.
- (6) 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 or 72.8 and no provision of law shall be construed to limit the authority of the United States to terminate or limit such authorization.
- (7) An allowance allocated by the Administrator under the Acid Rain Program does not constitute a property right.



# Acid Rain Permit Application

For more information, see instructions and refer to 40 CFR 72.30 and 72.31

This submission is:  New  Revised

## STEP 1

Identify the source by plant name, State, and ORIS code.

Plant Name	FREDERICKSON POWER	State	WA	ORIS Code	55818
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## STEP 2

Enter the unit ID# for every affected unit at the affected source in column "a." For new units, enter the requested information in columns "c" and "d."

a	b	c	d
Unit ID#	Unit Will Hold Allowances In Accordance with 40 CFR 72.9(c)(1)	New Units Commence Operation Date	New Units Monitor Certification Deadline
F1CT	Yes		
	Yes		
	Yes		
	Yes		
	Yes		
	Yes		
	Yes		
	Yes		
	Yes		
	Yes		
	Yes		
	Yes		
	Yes		
	Yes		
	Yes		
	Yes		
	Yes		



Frederickson Power  
Plant Name (from Step 1)

I am authorized to make this submission on behalf of the owners and operators of the affected source or affected 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.

Signature (designated representative) <i>Tim Wisdom</i>	Date Dec. 21, 2004
Signature (alternate designated representative) <i>[Signature]</i>	Date Dec 21/2004

**STEP 5**  
Provide the name of every owner and operator of the source and identify each affected unit they own and/or operate.

Name Frederickson Power LP					<input checked="" type="radio"/> Owner	<input type="radio"/> Operator
FICT ID#	ID#	ID#	ID#	ID#	ID#	ID#
ID#	ID#	ID#	ID#	ID#	ID#	ID#

Name Puget Sound Energy, Inc.					<input checked="" type="radio"/> Owner	<input type="radio"/> Operator
FICT ID#	ID#	ID#	ID#	ID#	ID#	ID#
ID#	ID#	ID#	ID#	ID#	ID#	ID#

Name Frederickson Project Operations, Inc.					<input type="radio"/> Owner	<input checked="" type="radio"/> Operator
FICT ID#	ID#	ID#	ID#	ID#	ID#	ID#
ID#	ID#	ID#	ID#	ID#	ID#	ID#

**STEP 6**  
For any new affected units listed at STEP 5 that have not commenced commercial operation, enter the projected date on which the unit is expected to commence commercial operation.

ID#	Projected Commence Commercial Operation Date:
ID#	Projected Commence Commercial Operation Date:
ID#	Projected Commence Commercial Operation Date:
ID#	Projected Commence Commercial Operation Date:



# Certificate of Representation

For more information, see instructions and refer to 40 CFR 72.24

This submission is: •  New •  Revised (revised submissions must be complete; see instructions)

**STEP 1**  
Identify the source by plant name, State, and ORIS code.

Plant Name	Frederickson Power	State	WA	ORIS Code	55818
------------	--------------------	-------	----	-----------	-------

**STEP 2**  
Enter requested information for the designated representative.

Name		Tim Wisdom	
Address			
18610 50th Avenue East Tacoma, WA 98446			
Phone Number	253-846-0528	Fax Number	253-846-3937
E-mail address (if available)			
twisdom@epcor.com			

**STEP 3**  
Enter requested information for the alternate designated representative, if applicable.

Name		Ric Chernesky	
Phone Number			
253-875-0528		Fax Number	
		253-846-3937	
E-mail address (if available)			
rchernes@epcor.com			

**STEP 4:** Complete Steps 5 and 6, read the certifications, sign and date.

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the affected source and each affected unit at the source.

I certify that I have given notice of the agreement, selecting me as the 'designated representative' for the affected source and each affected unit at the source identified in this certificate of representation, in a newspaper of general circulation in the area where the source is located or in a State publication designed to give general public notice.

I certify that I have all necessary authority to carry out my duties and responsibilities under the Acid Rain Program on behalf of the owners and operators of the affected source and of each affected unit at the source and that each such owner and operator shall be fully bound by my actions, inactions, or submissions.

I certify that I shall abide by any fiduciary responsibilities imposed by the agreement by which I was selected as designated representative or alternate designated representative, as applicable.

I certify that the owners and operators of the affected source and of each affected unit at the source shall be bound by any order issued to me by the Administrator, the permitting authority, or a court regarding the source or unit.

Where there are multiple holders of a legal or equitable title to, or a leasehold interest in, an affected unit, or where a utility or industrial customer purchases power from an affected unit under life-of-the-unit, firm power contractual arrangements, I certify that:

I have given a written notice of my selection as the designated representative or alternate designated representative, as applicable, and of the agreement by which I was selected to each owner and operator of the affected source and of each affected unit at the source; and

Allowances and the proceeds of transactions involving allowances will be deemed to be held or distributed in proportion to each holder's legal, equitable, leasehold, or contractual reservation or entitlement or, if such multiple holders have expressly provided for a different distribution of allowances by contract, that allowances and the proceeds of transactions involving allowances will be deemed to be held or distributed in accordance with the contract.

The agreement by which I was selected as the alternate designated representative, if applicable, includes a procedure for the owners and operators of the source and affected units at the source to authorize the alternate designated representative to act in lieu of the designated representative.

# COPY

# Frederickson Power

# RECEIVED

Frederickson Power LP  
18610 - 50th Avenue East  
Tacoma, WA 98446

DEC 22 2004

PUGET SOUND CLEAN  
AIR AGENCY

Tel: 253.846.0528  
Fax: 253.846.3937

December 21, 2004

FPLP/OM-1204-059

U.S. Environmental Protection Agency  
Clean Air Markets Division (6204J)  
Attention: Designated Representative  
1200 Pennsylvania Avenue NW  
Washington, DC 20460

To Whom It May Concern:

This letter transmits a revised Certificate of Representation for the Frederickson Power plant in Tacoma, Washington (ORIS Code 55818). We have revised the Certificate of Representation to reflect a transaction through which another company purchased an ownership interest in the plant.

We are also submitting a revised Acid Rain Permit Application, to ensure that the Unit ID number in the application is the same one that is currently used in the CAMD database system. A previous application identified the Unit ID number as 10645. But the Unit ID number currently used in CAMD's database, and by the plant, is F1CT. The enclosed revised Certificate of Representation and revised Application both reflect the F1CT designation, and should ensure future consistency and avoid potential confusion.

We are copying the Puget Sound Clean Air Agency – our Title V permitting authority – to also ensure that our acid rain program file there is complete and to facilitate including acid rain provisions in the operating permit for the plant.

Sincerely,



Tim Wisdom  
Plant Manager  
Title IV Designated Representative

Enclosure

cc: Fred Austin, Puget Sound Clean Air Agency  
Jeff KenKnight, US EPA, Region 10  
Sam Osborne, Puget Sound Energy Inc  
Kirk Lilley, Preston Gates Ellis LLP  
File

TW/mz

# COPY

Facility (Source) Name (from Step 1) Frederickson Power

General

I am authorized to make this submission on behalf of the owners and operators of the source or 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.

Signature (Designated Representative) <i>Richard A. Krow</i>	Date 08/19/2009
Signature (Alternate Designated Representative) <i>[Signature]</i>	Date 08/19/09

Facility (Source) Name (from Step 1) <b>Frederickson Power</b>
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### Clean Air Interstate Rule (CAIR) SO<sub>2</sub> Trading Program

I certify that I was selected as the CAIR designated representative or alternate CAIR designated representative (as applicable), by an agreement binding on the owners and operators of the CAIR SO<sub>2</sub> source and each CAIR SO<sub>2</sub> unit at the source (i.e., the source and each unit subject to the SO<sub>2</sub> Trading Program, as indicated in "Applicable Program(s)" in Step 4).

I certify that I have all necessary authority to carry out my duties and responsibilities under the CAIR SO<sub>2</sub> Trading Program, on behalf of the owners and operators of the CAIR SO<sub>2</sub> source and each CAIR SO<sub>2</sub> unit at the source and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

I certify that the owners and operators of the CAIR SO<sub>2</sub> source and each CAIR SO<sub>2</sub> unit at the source shall be bound by any order issued to me by the Administrator, the permitting authority, or a court regarding the source or unit.

Where there are multiple holders of a legal or equitable title to, or a leasehold interest in, a CAIR SO<sub>2</sub> unit, or where a utility or industrial customer purchases power from a CAIR SO<sub>2</sub> unit under a life-of-the-unit, firm power contractual arrangement, I certify that:

I have given a written notice of my selection as the CAIR designated representative or alternate CAIR designated representative (as applicable) and of the agreement by which I was selected to each owner and operator of the CAIR SO<sub>2</sub> source and each CAIR SO<sub>2</sub> unit at the source; and

CAIR SO<sub>2</sub> allowances and proceeds of transactions involving CAIR SO<sub>2</sub> allowances will be deemed to be held or distributed in proportion to each holder's legal, equitable, leasehold, or contractual reservation or entitlement, except that, if such multiple holders have expressly provided for a different distribution of CAIR SO<sub>2</sub> allowances by contract, CAIR SO<sub>2</sub> allowances and proceeds of transactions involving CAIR SO<sub>2</sub> allowances will be deemed to be held or distributed in accordance with the contract.

### Clean Air Interstate Rule (CAIR) NO<sub>x</sub> Ozone Season Trading Program

I certify that I was selected as the CAIR designated representative or alternate CAIR designated representative (as applicable), by an agreement binding on the owners and operators of the CAIR NO<sub>x</sub> Ozone Season source and each CAIR NO<sub>x</sub> Ozone Season unit at the source (i.e., the source and each unit subject to the CAIR NO<sub>x</sub> Ozone Season Trading Program, as indicated in "Applicable Program(s)" in Step 4).

I certify that I have all necessary authority to carry out my duties and responsibilities under the CAIR NO<sub>x</sub> Ozone Season Trading Program on behalf of the owners and operators of the CAIR NO<sub>x</sub> Ozone Season source and each CAIR NO<sub>x</sub> Ozone Season unit at the source and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

I certify that the owners and operators of the CAIR NO<sub>x</sub> Ozone Season source and each CAIR NO<sub>x</sub> Ozone Season unit shall be bound by any order issued to me by the Administrator, the permitting authority, or a court regarding the source or unit.

Where there are multiple holders of a legal or equitable title to, or a leasehold interest in, a CAIR NO<sub>x</sub> Ozone Season unit, or where a utility or industrial customer purchases power from a CAIR NO<sub>x</sub> Ozone Season unit under a life-of-the-unit, firm power contractual arrangement, I certify that:

I have given a written notice of my selection as the CAIR designated representative or alternate CAIR designated representative (as applicable) and of the agreement by which I was selected to each owner and operator of the CAIR NO<sub>x</sub> Ozone Season source and each CAIR NO<sub>x</sub> Ozone Season unit; and

CAIR NO<sub>x</sub> Ozone Season allowances and proceeds of transactions involving CAIR NO<sub>x</sub> Ozone Season allowances will be deemed to be held or distributed in proportion to each holder's legal, equitable, leasehold, or contractual reservation or entitlement, except that, if such multiple holders have expressly provided for a different distribution of CAIR NO<sub>x</sub> Ozone Season allowances by contract, CAIR NO<sub>x</sub> Ozone Season allowances and proceeds of transactions involving CAIR NO<sub>x</sub> Ozone Season allowances will be deemed to be held or distributed in accordance with the contract.

Facility (Source) Name (from Step 1) **Frederickson Power**

**STEP 5: Read the appropriate certification statements, sign, and date.**

Acid Rain Program

I certify that I was selected as the designated representative or alternate designated representative (as applicable) by an agreement binding on the owners and operators of the affected source and each affected unit at the source (i.e., the source and each unit subject to the Acid Rain Program, as indicated in "Applicable Program(s)" in Step 4).

I certify that I have all necessary authority to carry out my duties and responsibilities under the Acid Rain Program on behalf of the owners and operators of the affected source and each affected unit at the source and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

I certify that the owners and operators of the affected source and each affected unit at the source shall be bound by any order issued to me by the Administrator, the permitting authority, or a court regarding the source or unit.

Where there are multiple holders of a legal or equitable title to, or a leasehold interest in, an affected unit, or where a utility or industrial customer purchases power from an affected unit under a life-of-the-unit, firm power contractual arrangement, I certify that:

I have given a written notice of my selection as the designated representative or alternate designated representative (as applicable) and of the agreement by which I was selected to each owner and operator of the affected source and each affected unit at the source; and

Allowances, and proceeds of transactions involving allowances, will be deemed to be held or distributed in proportion to each holder's legal, equitable, leasehold, or contractual reservation or entitlement, except that, if such multiple holders have expressly provided for a different distribution of allowances, allowances and proceeds of transactions involving allowances will be deemed to be held or distributed in accordance with the contract.

Clean Air Interstate Rule (CAIR) NO<sub>x</sub> Annual Trading Program

I certify that I was selected as the CAIR designated representative or alternate CAIR designated representative (as applicable), by an agreement binding on the owners and operators of the CAIR NO<sub>x</sub> source and each CAIR NO<sub>x</sub> unit at the source (i.e., the source and each unit subject to the CAIR NO<sub>x</sub> Annual Trading Program, as indicated in "Applicable Program(s)" in Step 4).

I certify that I have all necessary authority to carry out my duties and responsibilities under the CAIR NO<sub>x</sub> Annual Trading Program on behalf of the owners and operators of the CAIR NO<sub>x</sub> source and each CAIR NO<sub>x</sub> unit at the source and that each such owner and operator shall be fully bound by my representations, actions, inactions, or submissions.

I certify that the owners and operators of the CAIR NO<sub>x</sub> source and each CAIR NO<sub>x</sub> unit at the source shall be bound by any order issued to me by the Administrator, the permitting authority, or a court regarding the source or unit.

Where there are multiple holders of a legal or equitable title to, or a leasehold interest in, a CAIR NO<sub>x</sub> unit, or where a utility or industrial customer purchases power from a CAIR NO<sub>x</sub> unit under a life-of-the-unit, firm power contractual arrangement, I certify that:

I have given a written notice of my selection as the CAIR designated representative or alternate CAIR designated representative (as applicable) and of the agreement by which I was selected to each owner and operator of the CAIR NO<sub>x</sub> source and each CAIR NO<sub>x</sub> unit at the source; and

CAIR NO<sub>x</sub> allowances and proceeds of transactions involving CAIR NO<sub>x</sub> allowances will be deemed to be held or distributed in proportion to each holder's legal, equitable, leasehold, or contractual reservation or entitlement, except that, if such multiple holders have expressly provided for a different distribution of CAIR NO<sub>x</sub> allowances by contract, CAIR NO<sub>x</sub> allowances and proceeds of transactions involving CAIR NO<sub>x</sub> allowances will be deemed to be held or distributed in accordance with the contract.

**Frederickson Power**  
 Facility (Source) Name (from Step 1)

**UNIT INFORMATION**

**STEP 4: Complete one page for each unit located at the facility identified in STEP 1 (i.e., for each boiler, simple cycle combustion turbine, or combined cycle combustion turbine). Do not list duct burners. Indicate each program to which the unit is subject, and enter all other unit-specific information, including the name of each owner and operator of the unit and the generator ID number and nameplate capacity of each generator served by the unit. If the unit is subject to a program, then the facility (source) is also subject. (For units subject to the NOx Budget Trading Program, a separate "Account Certificate of Representation" form must be submitted to meet requirements under that program.)**

Applicable Program(s):  Acid Rain ~ CAIR NOx Annual ~ CAIR SO2 ~ CAIR NOx Ozone Season

F1CT	CC	Source Category	Electric Utility	Generator ID Number (Maximum 8 characters)	Acid Rain Nameplate Capacity (MWe)	CAIR Nameplate Capacity (MWe)
Unit ID#	Unit Type	Fossil Fuel	Electric Power Generation (221112)	F1CTG	102	
Date unit began (or will begin) serving any generator producing electricity for sale (including test generation) (mm/dd/yyyy): 08/19/2002		NAICS Code	Check One: Actual <input checked="" type="checkbox"/> Projected <input type="checkbox"/>	F1CTG	167	
Company Name: Frederickson Power LP				<input checked="" type="checkbox"/> Owner ~ Operator		
Company Name: Capital Power (USA) Inc. f/k/a EPCOR USA Inc.				~ Owner <input checked="" type="checkbox"/> Operator		
Company Name: Puget Sound Energy Inc.				<input checked="" type="checkbox"/> Owner ~ Operator		
Company Name:				~ Owner ~ Operator		
Company Name:				~ Owner ~ Operator		



# Certificate of Representation

For more information, see instructions and 40 CFR 72.24; 40 CFR 96.113, 96.213, or 96.313, or a comparable state regulation under the Clean Air Interstate Rule (CAIR) NO<sub>x</sub> Annual, SO<sub>2</sub>, and NO<sub>x</sub> Ozone Season Trading Programs or 40 CFR 97.113, 97.213, or 97.313.

**FACILITY (SOURCE) INFORMATION**

This submission is: ~ New  Revised (revised submissions must be complete; see instructions)

**STEP 1**  
Provide information for the facility (source).

Facility (Source) Name	Frederickson Power	State	WA	Plant Code	55818
County Name	Pierce				
Latitude	47.0864	Longitude	122.3644		

**STEP 2**  
Enter requested information for the designated representative.

Name	Richard A. Recor	Title	General Manager
Company Name	Frederickson Power LP		
Address	18610 50 <sup>th</sup> Avenue East, Tacoma, WA 98446		
Phone Number	(253) 846-0528	Fax Number	(253) 846-3937
E-mail address	rrecor@capitalpowerusa.com		

**STEP 3**  
Enter requested information for the alternate designated representative.

Name	Ric Chernesky	Title	O & M Manager
Company Name	Frederickson Power LP		
Address	18610 50 <sup>th</sup> Avenue East, Tacoma, WA 98446		
Phone Number	(253) 846-0528	Fax Number	(253) 846-3937
E-mail address	rchernesky@capitalpowerusa.com		