

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:

- Sections 12.03(a) through (g).
- (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.

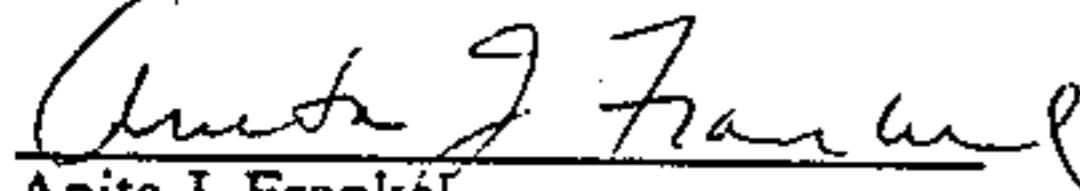
Section 5: This resolution shall be effective on the 10th day of August, 1989.

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.

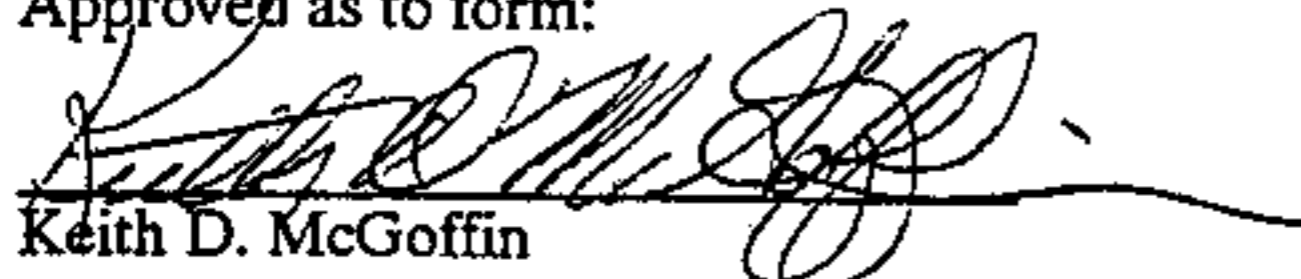
**PUGET SOUND AIR POLLUTION
CONTROL AGENCY**

By 
Doug Sutherland
Chairman, Board of Directors

Attest:


Anita J. Frankel
Air Pollution Control Officer

Approved as to form:


Keith D. McGoffin
Agency Attorney