

**CHAPTER 117: SOURCE SURVEILLANCE**

**SUMMARY:** This regulation specifies which air emission sources are required to operate continuous emission monitoring systems, the performance specifications of such systems, and subsequent record keeping and reporting requirements.

1. Scope

This section shall be applicable in all air quality control regions in the State.

2. Applicability

A. Each fossil fuel fired steam generator with a heat input capacity of greater than 250 million BTU/hour shall install, calibrate, maintain and operate a continuous emission monitoring system for opacity which meets the performance specifications of 40 CFR Part 51, Appendix P paragraph 3.1.1. except when:

1. gaseous fuel is the only fuel burned:

2. The annual capacity factor is demonstrated to be less than 30%. "Annual capacity factor" means the ratio between the actual heat input to a steam generating unit from fuels, during a calendar year, and the potential heat input to the steam generating unit had it been operating for 8760 hours at the maximum steady state design heat input capacity.

B. Each fossil fuel fired steam generator with a heat input capacity of greater than 250 million BTU/hour and which has installed sulfur dioxide air pollution control apparatus shall install, calibrate, maintain and operate a continuous emission monitoring system for the measurement of sulfur dioxide which meets the performance specifications of 40 CFR Part 51, Appendix P paragraph 3.1.3.

C. Each fossil fuel fired steam generator with a heat input capacity of greater than 1000 million BTU/hour and located in an air quality control region or portion thereof which has been designated as nonattainment for NO<sub>2</sub> at Chapter 114 shall install, calibrate, maintain and operate a continuous emission monitoring system for nitrogen oxides which meets the performance specifications of 40 CFR Part 51, Appendix P paragraph 3.1.2

unless the owner or operator demonstrates that the annual average capacity factor is less than 30% and projected to remain at less than 30%.

D. Each sulfuric acid plant of greater than 100 tons/day production capacity, the production being expressed as 100 percent acid, shall install, calibrate, maintain and operate a continuous emission monitoring system for the measurement of sulfur dioxide which meets the performance specifications of 40 CFR Part 51, Appendix P paragraph 3.1.3. for each sulfuric acid producing unit within such plant.

E. Each fossil fuel fired steam generator which is required to measure sulfur dioxide or nitrogen dioxide at section II (B) or II (C) of this chapter shall install, calibrate, maintain and operate a continuous emission monitoring system for the measurement of percent oxygen or percent carbon dioxide which meets the performance specifications of 40 CFR Part 51, Appendix P paragraph 3.1.4 or 3.1.5.

3. Performance Specifications

Any continuous emission monitoring system installed pursuant to this chapter shall meet the performance specifications set forth in 40 CFR Part 60, Appendix B, and comply with the provisions of 40 CFR Part 60, Appendix B, or 40 CFR Part 51, Appendix P, as appropriate regarding monitor location, calibration and interpretation of results.

4. Records

Any source subject to the requirements of this chapter shall maintain a file of emission measurements, continuous monitoring system performance testing measurements, performance evaluations, calibration checks, and adjustments and maintenance performance on each monitoring system and any other records required at 40 CFR Part 51, Appendix P. Such records shall be maintained on site for at least two years.

5. Reports

Any sources subject to the requirements of this chapter shall submit to the Department a quarterly report of continuous emissions monitoring data indicating when excess emissions were measured, detailing duration, quantity, cause and remedial action taken and supporting documentation and any other similar information required by the Commissioner which meets the requirements of 40 CFR, Part 51, Appendix P.

6. Compliance Schedule

Any source subject to the requirements of this chapter shall have one year from the effective date to comply with the requirements of this chapter and shall notify the Department upon installation of the appropriate equipment.

These regulations shall be effective upon filing with the Office of the Secretary of State and shall supersede all previous regulations on this subject.

After public notice of May 18, 1988 and public record through June 17, 1988, the above regulation is adopted this 13th day of July 1988.

**BASIS STATEMENT FOR JULY 13, 1988 :** This chapter adopts regulations requiring continuous emission monitors and reporting from large fossil fuel fired boilers and sulfuric acid plants. These regulations will fulfill federal requirements regarding source surveillance.

AUTHORITY: 38 M.R.S.A., Section 590, 585-A

EFFECTIVE DATE: AUG 9 1988