

DRAFT

Draft of SO₂ Regulation

.01 Definitions.

A. In this chapter, the following terms have the meanings indicated.

B. Terms Defined.

(1) "Affected electric generating unit" means any one of the following coal-fired electric generating units:

- (a) Brandon Shores Units 1 and 2;
- (b) C.P. Crane Units 1 and 2;
- (c) Chalk Point Units 1 and 2;
- (d) Dickerson Units 1, 2, and 3;
- (e) H.A. Wagner Units 2 and 3;
- (f) Morgantown Units 1 and 2; and
- (g) Warrior Run.

(2) "By-pass stack operation" means any operation of an affected unit where a portion of the affected unit's emissions pass through a duct, stack or conduit to the atmosphere that augments or substitutes for the principal stack exhaust system during any portion of the unit's operation.

(3) "1-hour emission rate" means an arithmetic average of all the valid data for emission rates recorded from a continuous monitoring system on a 1- hour basis.

.02 Applicability and General Requirements.

A. Applicability. This chapter applies to the following coal-fired electric generating units:

- (1) Brandon Shores Units 1 and 2;
- (2) C.P. Crane Units 1 and 2;
- (3) Chalk Point Units 1 and 2;
- (4) Dickerson Units 1, 2, and 3;
- (5) H.A. Wagner Units 2 and 3;
- (6) Morgantown Units 1 and 2; and
- (7) Warrior Run.

B. General Requirements.

(1) An affected electric generating unit shall comply with the 1-hour SO₂ rate as provided in this regulation.

(2) SO₂ Emission Limitations. The following rate limits apply when the affected electric generating unit is operating in non-bypass stack operation.

| Affected Electric Generating Unit | 1-Hour SO ₂ Rate lbs/hr |
|-----------------------------------|---------------------------------------|
| Brandon Shores Unit 1 | 1000 |
| Brandon Shores Unit 2 | 1000 |
| C.P. Crane Unit 1 | 1400 |
| C.P. Crane Unit 2 | 1400 |
| Chalk Point Units 1 and 2 | 2400 |
| Dickerson Units 1, 2 and 3 | 1000 |
| H.A. Wagner Unit 2 | 500 |
| H.A. Wagner Unit 3 | 1000 |
| Morgantown Unit 1 | 1500 |
| Morgantown Unit 2 | 1500 |
| Warrior Run | Under development |

(3)30-Day Averaging. MDE is considering provisions that would establish 30-day averaging that will still guarantee attainment with the 1-hour SO₂ NAAQS. MDE understands there is research going on in this area. Comments on this issue are encouraged.

(4) By-Pass Stack Operation. The following rate limits apply when the affected electric generating unit is operating in a by-pass stack operation mode.

| Affected Electric Generating Unit | 1-Hour SO ₂ Rate lbs/hr |
|-----------------------------------|---------------------------------------|
| Chalk Point Units 1 and 2 | 11,500 |
| Dickerson Units 1, 2 and 3 | 8,900 |
| Morgantown Units 1 and 2 | 7,500 |

(5) Alternative Emission Limits. MDE is considering a provision in the regulation that would establish limits in situations where there are multiple units on the same piece of property. Because of issues like different stack heights and exit velocities at different units, the alternative limits would have to be proposed by the facility and approved by MDE and included as a revision to the SIP. The alternative limits would need to be based on modeling that shows that they will comply with the 1-hour SO₂ NAAQS. Comments on this issue are encouraged.

.03 Monitoring and Reporting Requirements.

A. Compliance Demonstration.

(1) Compliance with the emission rate limitations in this chapter shall be demonstrated with a continuous emission monitoring system that is installed, operated, and certified in accordance with 40 CFR Part 75; and

(2) Data reported to demonstrate compliance with the emission limits of regulation .03 of this chapter shall:

- (a) Not include data substituted using the missing data procedures in Subpart D of Part 75; and
- (b) Not be bias adjusted according to the procedure of Part 75.

B. Quarterly Reports.

(1) Beginning 30-days after the first quarter after the effective date of this regulation, each affected electric generating unit subject to the requirements of this chapter shall submit a quarterly report to the Department detailing the status of compliance with this regulation.

(2) Each subsequent quarterly report shall be submitted to the Department not later than 30-days following the end of the calendar quarter.

(3) Each quarterly report shall specify any exceedances of the SO₂ emission rate limitations, the date, time and SO₂ emissions of each exceedance, the reason for the exceedance, and any corrective action taken.