

Title 26 DEPARTMENT OF THE ENVIRONMENT

Subtitle 11 AIR QUALITY

Chapter 40 NO_x Ozone Season Emission Caps for Non-trading Large NO_x Units

Authority: Environment Article, §§1-404, 2-103, and 2-301—2-303, Annotated Code of Maryland

.01 Definitions.

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

B. Terms Defined.

(1) “Boiler” means an enclosed fossil or other fuel-fired combustion device used to produce heat and to transfer heat to recirculating water, steam, or other medium.

(2) “Combined cycle system” means a system comprised of one or more combustion turbines, heat recovery steam generators, and steam turbines configured to improve overall efficiency of electricity generation or steam production.

(3) “Combustion turbine” means an enclosed fossil or other fuel-fired device:

(a) That is comprised of a compressor, a combustor, and a turbine; and

(b) In which the flue gas resulting from the combustion of fuel in the combustor passes through the turbine, rotating the turbine.

(4) “Fossil fuel” means natural gas, petroleum, coal, or any form of solid, liquid, or gaseous fuel derived from such material.

(5) “Fossil fuel-fired” means:

(a) The combustion of fossil fuel, alone or in combination with any other fuel, where fossil fuel actually combusted comprises more than 50 percent of the annual heat input on a Btu basis during any year; or

(b) For a new unit, the combustion of fossil fuel, alone or in combination with any other fuel, where fossil fuel is projected to comprise more than 50 percent of the annual heat input on a Btu basis during the year that the new unit begins combusting fossil fuel.

(6) “New unit” means:

(a) A non-trading large NO_x unit that is installed after May 1, 2018; or

(b) An existing unit that is modified to meet the definition of §B(8) of this regulation.

(7) “New unit set aside” means remaining NO_x ozone season emission tons available for new units.

(8) “Non-trading large NO_x unit” means a fossil-fuel fired stationary boiler, combustion turbine, or combined cycle system unit with;

(a) A maximum design heat input greater than 250 mmBtu per hour; or

(b) A name plate capacity greater than 25.0 MW.

(9) “Ozone season” means May 1 through September 30 of any calendar year.

.02 Applicability.

A. The owner or operator of a non-trading large NO_x unit, that is not a unit subject to the federal Cross State Air Pollution Rule NO_x Ozone Season Group 2 Trading Program established under 40 CFR Part 97, Subpart EEEEE, shall comply with the ozone season NO_x emission limitation, monitoring, record keeping, and reporting requirements for ozone season emissions of NO_x set forth in this chapter.

B. The requirements of this chapter apply to a person who owns or operates a non-trading large NO_x unit located at the affected sources in §C of this regulation.

C. Affected Sources and Units.

(1) American Sugar Unit No. C6;

(2) Cove Point LNG Units No. Frame 5-1 (Turbine S009), Frame 5-2 (Turbine S010), Frame 7-A, Frame 7-B, Aux A and Aux B;

(3) Luke Paper Mill Units No. 24, 25 and 26;

(4) National Institutes of Health Unit 5-1156; and

(5) A person who owns or operates a new unit subject to this chapter.

.03 NO_x Ozone Season Emission Caps.

A. The total combined NO_x ozone season emissions for all non-trading large NO_x units subject to this chapter may not exceed 1013 tons in accordance with the 40 CFR Part 97, Subpart E, Appendix C.

B. NO_x Ozone Season Emission Caps.

(1) The total combined ozone season NO_x emissions from all the affected units at an affected source as identified in Regulation .02C of this chapter may not exceed the NO_x ozone season emission caps in §B(2) of this regulation.

(2) Table — NO_x Ozone Season Emission Caps.

Affected Sources	NO _x Ozone Season Emission Caps Beginning May 1, 2018
American Sugar	24 tons
Cove Point LNG	214 tons

Luke Paper Mill	656 tons
National Institutes of Health	23 tons
New Unit Set Aside	96 tons
Total	1013 tons

C. NO_x ozone season emission caps for new units shall be determined by the Department from available tonnage allocated to New Unit Set Aside under §B(2) of this regulation.

.04 Monitoring and Reporting Requirements.

A. For non-trading large NO_x units subject to this chapter, the owner or operator shall:

(1) Continuously monitor NO_x emissions with a CEM system in accordance with 40 CFR Part 75, Subpart H and 40 CFR §51.121(i)(4); and

(2) Maintain records and submit reports regarding NO_x emissions in accordance with 40 CFR Part 75.

B. The owner or operator of a non-trading large NO_x unit subject to this regulation shall include emissions data obtained from a CEM system pursuant to §A of this regulation in the CEM quarterly reports submitted to the Department pursuant to COMAR 26.11.01.11E(2).