

15A NCAC 02D .1409 STATIONARY INTERNAL COMBUSTION ENGINES

(a) This Rule applies geographically pursuant to 15A NCAC 02D .1402.

(b) The owner or operator of a stationary internal combustion engine with a rated capacity of greater than or equal to 650 horsepower that is not covered under Paragraph (c) of this Rule or 15A NCAC 02D .1418 shall not allow emissions of NOx from the stationary internal combustion engine to exceed the following limitations:

**MAXIMUM ALLOWABLE NOx EMISSION RATES FOR
STATIONARY INTERNAL COMBUSTION ENGINES
(GRAMS PER HORSEPOWER HOUR)**

Engine Type	Fuel Type	Limitation
Rich-burn	Gaseous	2.5
Lean-burn	Gaseous	2.5
Compression Ignition	Liquid	8.0

(c) Engines identified in the table in this Paragraph shall not exceed the emission limit in the table during the ozone season.

SUM OF MAXIMUM ALLOWABLE OZONE SEASON NOx EMISSIONS (tons per ozone season)		
FACILITY	REGULATED SOURCES	ALLOWABLE EMISSIONS
Transcontinental Gas Pipeline Station 150	Mainline engines #12, 13, 14, and 15	76
Transcontinental Gas Pipeline Station 155	Mainline engines #2, 3, 4, 5, and 6	127
Transcontinental Gas Pipeline Station 160	Mainline engines #11, 12, 13, 14, and 15	149

Compliance shall be determined by summing the actual emissions from the engines listed in the table at each facility for the ozone season and comparing those sums to the limits in the table. Compliance may be achieved through trading under Paragraph (h) of this Rule if the trades are approved before the ozone season.

(d) If the emissions from a stationary internal combustion engine are greater than the applicable limitation in Paragraph (b) of this Rule after applying a reasonable effort as defined in 15A NCAC 02D .1401, or if the requirements of this Rule are not RACT for the particular stationary internal combustion engine, the owner or operator may petition the Director for an alternative limitation or standard pursuant to 15A NCAC 02D .1412.

(e) For the engines identified in Paragraph (c) of this Rule and any engine involved in emissions trading with one or more of the engines identified in Paragraph (c) of this Rule, the owner or operator shall determine compliance using:

- (1) a continuous emissions monitoring system that meets the applicable requirements of Appendices B and F of 40 CFR part 60 and 15A NCAC 02D .1404; or
- (2) an alternate monitoring and recordkeeping procedure based on actual emissions testing and correlation with operating parameters.

The installation, implementation, and use of an alternate procedure allowed under Subparagraph (2) of this Paragraph shall be approved by the Director before it may be used. The Director shall approve the alternative procedure if he or she finds that it can show the compliance status of the engine.

(f) If a stationary internal combustion engine is permitted to operate more than 475 hours during the ozone season, compliance with the limitation established for a stationary internal combustion engine under Paragraph (b) of this Rule shall be determined using annual source testing pursuant to 15A NCAC 02D .1415. If a source covered under this Rule can burn more than one fuel, then the owner or operator of the source may choose not to burn one or more of these fuels during the ozone season. If the owner or operator chooses not to burn a particular fuel, the source testing required under this Rule is not required for that fuel.

(g) If a stationary internal combustion engine is permitted to operate no more than 475 hours during the ozone season, the owner or operator of the stationary internal combustion engine shall show compliance with the limitation under Paragraph (b) of this Rule with source testing during the first ozone season of operation pursuant to 15A

NCAC 02D .1415. Each year after that, the owner or operator of the stationary internal combustion engine shall comply with the annual tune-up requirements of 15A NCAC 02D .1414.

(h) The owner or operator of a source covered under Paragraph (c) of this Rule may offset part or all of the emissions of that source by reducing the emissions of another stationary internal combustion engine at that facility by an amount equal to or greater than the emissions being offset. Only actual decreased emissions that have not previously been relied on to comply with 15A NCAC 02D or 02Q or Title 40 of the Code of Federal Regulations may be used to offset the emissions of another source. The person requesting the offset shall submit the following information to the Director:

- (1) identification of the source, including permit number, providing the offset and what the new allowable emission rate for the source will be;
- (2) identification of the source, including permit number, receiving the offset and what the new allowable emission rate for the source will be;
- (3) the amount of allowable emissions in tons per ozone season being offset;
- (4) a description of the monitoring, recordkeeping, and reporting that shall be used to show compliance; and
- (5) documentation that the offset is an actual decrease in emissions that has not previously been relied on to comply with 15A NCAC 02D or 02Q or Title 40 of the Code of Federal Regulations.

The Director may approve the offset if he or she finds that all the information required by this Paragraph has been submitted and that the offset is an actual decrease in emissions that have not previously been relied on to comply with 15A NCAC 02D or 02Q or Title 40 of the Code of Federal Regulations. If the Director approves the offset, he or she shall put the new allowable emission rates in the respective permits.

History Note: Authority G.S. 143-215.3(a)(1); 143-215.66; 143.215.107(a)(5); 143.215.107(a)(7); 143.215.107(a)(10); Eff. April 1, 1995; Temporary Amendment Eff. August 1, 2001; November 1, 2000; Amended Eff. June 1, 2008; June 1, 2004; July 18, 2002; Temporary Amendment Eff. December 31, 2008; Temporary Amendment expired September 29, 2009; Readopted Eff. October 1, 2020.