

MARYLAND REGISTER

Proposed Action on Regulations

Comparison to Federal Standards Submission and Response

Name: Carolyn A Jones
Agency: Department of the Environment
Address: 1800 Washington Blvd
State: MD
Zip: 21230
Phone: 410-537-4210
Email: carolyna.jones@maryland.gov

In accordance with Executive Order 01.01.1996.03 and memo dated July 26, 1996, the attached document is submitted to the Department of Business and Economic Development for review.

The Proposed Action is not more restrictive or stringent than corresponding federal standards.

COMAR Codification: 26.11.29..01 - .05

Corresponding Federal Standard:

These requirements were established as part of the NOx SIP Call, a mandate from US EPA to control transported pollution under the 1-hour ozone NAAQS. The US EPA has promulgated the Cross State Air Pollution Rule (CSAPR), new and more stringent regulations, to address transported pollution under the 1997 8-hour ozone and required affected states to repeal the NOx SIP Call. CSAPR applies only to electric generating units (EGUs). Requirements for non-EGUs established under the NOx SIP Call must be maintained and are being

recodified under new chapters as the NOx SIP Call is repealed.

Discussion/Justification:

The NOx SIP Call for internal combustion engines located at natural gas pipeline compression stations required larger engines to be modified or controlled to meet a specific NOx emission concentration based upon engine type and size. The NOx SIP Call Rule (63 FR 57356, October 27, 1998 and 69 FR 21604, April 21, 2004), was developed to address the interstate transport of ozone. Although the NOx SIP Call has been replaced with more recent regulations designed to reduce transport from electric generating units, the requirements of the NOx SIP Call for affected non-trading sources of NOx such as natural gas compression stations continue to apply.

TO BE COMPLETED BY DBED

- Agree

-Disagree

Comments:

DBED does not have expertise in this matter and but believes the MDE does and as such believes their assertion that the regulations are not more restrictive or stringent than corresponding federal standards.

Name: Sandy Popp

Date: 3/11/2015

-Submit to Governor's Office

Governor's Office Response

Comments:

Transmittal Sheet	Date Filed with AELR Committee	TO BE COMPLETED BY DSD
PROPOSED OR		

**Title 26
DEPARTMENT OF THE
ENVIRONMENT**

Subtitle 11 AIR QUALITY

REPROPOSED Actions on Regulations	03/13/2015	Date Filed with Division of State Documents
		Document Number
		Date of Publication in MD Register

26.11.29 Control of NOx Emissions from Natural Gas Pipeline Compression Stations

Authority: Environment Article, §§1-101, 1-404, 2-101—2-103, and 2-301—2-303, Annotated Code of Maryland

Notice of Proposed Action

□

The Secretary of the Environment proposes to repeal existing chapter 29 NOx Reduction Requirements for Non-Electric Generating Units; and proposes new regulations .01 - .05 under COMAR 26.11.29 Control of NOx Emissions from Natural Gas Pipeline Compression Stations.

Statement of Purpose

The purpose of this action is to maintain and consolidate NOx emission requirements for internal combustion engines used to compress natural gas located at natural gas pipeline compression stations. These NOx emission requirements were established under the NOx SIP Call for affected non-trading sources. This action will be submitted to the U.S. Environmental Protection Agency (EPA) for approval as part of Maryland's State Implementation Plan.

Background

In order to consolidate NOx emission requirements for internal combustion engines used to compress natural gas located at natural gas pipeline compression stations, the Department proposes to repeal the existing chapter 29 and replace it. The new chapter 29, titled Control of NOx Emissions from Natural Gas Pipeline Compression Stations, requires the affected facilities to continue to meet the maximum hourly NOx emission limits and the NOx emission concentration requirements. There are no additional requirements established at this time.

1. Desired date of publication in Maryland Register: 4/17/2015

2. COMAR Codification

Title	Subtitle	Chapter	Regulation
26	11	29	.01 - .05

3. Name of Promulgating Authority

Department of the Environment

Name of Regulations Coordinator	Telephone Number
Carolyn A Jones	410-537-4210

Mailing Address

1800 Washington Blvd

City	State	Zip Code
Baltimore	MD	21230

Email

carolyna.jones@maryland.gov

5. Name of Person to Call About this Document
Randy Mosier

Telephone No.
410-537-4488

Email Address
Randy.Mosier@maryland.gov

6. Check applicable items:

- New Regulations
- Amendments to Existing Regulations
- Date when existing text was downloaded from COMAR online: .
- Repeal of Existing Regulations
- Recodification
- Incorporation by Reference of Documents Requiring DSD Approval
- Reproposal of Substantively Different Text:

: Md.
R
(vol.) (issue) (page nos) (date)

Under Maryland Register docket no.: --P.

7. Is there emergency text which is identical to this proposal:

Yes No

8. Incorporation by Reference

Check if applicable: Incorporation by Reference (IBR) approval form(s) attached and 18 copies of documents proposed for incorporation submitted to DSD. (Submit 18 paper copies of IBR document to DSD and one copy to AELR.)

9. Public Body - Open Meeting

OPTIONAL - If promulgating

Sources Affected and Location

This action affects one facility in Garrett County with two engines and one facility in Howard County with over five engines. Both facilities are currently in compliance with all the requirements.

Requirements

This action proposes to repeal existing chapter 29 titled "NOx Reduction Requirements for Non-Electric Generating Units". The Department proposes new regulations .01 - .05 under COMAR 26.11.29 now titled "Control of NOx Emissions from Natural Gas Pipeline Compression Stations" which will keep the existing NOx emission standards for internal combustion engines located at natural gas pipeline compression stations from the repealed regulation.05 under chapter 29. This action further clarifies the monitoring, compliance demonstration and record keeping requirements for internal combustion engines located at natural gas pipeline compression stations. There are no additional requirements resulting from this action.

Expected Emission Reductions

There are no expected emission reductions from this action.

Comparison to Federal Standards

There is a corresponding federal standard to this proposed action, but the proposed action is not more restrictive or stringent.

Estimate of Economic Impact

The proposed action has no economic impact.

Economic Impact on Small Businesses

The proposed action has minimal or no economic impact on small businesses.

Impact on Individuals with Disabilities

authority is a public body, check to include a sentence in the Notice of Proposed Action that proposed action was considered at an open meeting held pursuant to State Government Article, §10-506(c), Annotated Code of Maryland.

OPTIONAL - If promulgating authority is a public body, check to include a paragraph that final action will be considered at an open meeting.

10. Children's Environmental Health and Protection

Check if the system should send a copy of the proposal to the Children's Environmental Health and Protection Advisory Council.

11. Certificate of Authorized Officer

I certify that the attached document is in compliance with the Administrative Procedure Act. I also certify that the attached text has been approved for legality by Mary E. Raivel, Assistant Attorney General, (telephone #410-547-3035) on 2/11/15. A written copy of the approval is on file at this agency.

Name of Authorized Officer

Benjamin Grumbles

Title

Acting Secretary of the Environment

Telephone No.

410-537-3084

Date

2/19/15

The proposed action has no impact on individuals with disabilities.

Opportunity for Public Comment

Comments may be sent to See comments section, , , or call , or email to randy.mosier@maryland.gov, or fax to . Comments will be accepted through . A public hearing will be held, The Department of the Environment will hold a public hearing on the proposed action on May 19, 2015 at 10 a.m. at the Department of the Environment, 1800 Washington Boulevard, 1st Floor Conference Rooms, Baltimore, Maryland 21230-1720. Interested persons are invited to attend and express their views. Comments may be sent to Mr. Randy Mosier, Chief of the Regulation Division, Air and Radiation Management Administration, Department of the Environment, 1800 Washington Boulevard, Suite 730, Baltimore, Maryland 21230-1720, or email to Randy.mosier@maryland.gov. Comments must be received not later than May 19, 2015, or be submitted at the hearing. For more information, call Randy Mosier at (410) 537-4488.

Copies of the proposed action and supporting documents are available for review at the following locations:

- The Department of the Environment's website at: <http://www.mde.state.md.us/programs/regulations/air/Pages/reqcomments.aspx>
- The Air and Radiation Management Administration offices; and
- Regional offices of the Department in Cumberland and Salisbury.

Anyone needing special accommodations at the public hearing should contact the Department's Fair Practices Office at (410) 537- 3964. TTY users may contact the Department through the Maryland Relay Service at 1-800-735-2258.

Economic Impact Statement Part C

A. Fiscal Year in which regulations will become effective: FY 2016

B. Does the budget for the fiscal year in which regulations become effective contain funds to implement the regulations?

Yes

C. If 'yes', state whether general, special (exact name), or federal funds will be used:

A combination of Maryland Clean Air Funds (special) and Air Pollution Control Program grant funds (federal) will be used.

D. If 'no', identify the source(s) of funds necessary for implementation of these regulations:

E. If these regulations have no economic impact under Part A, indicate reason briefly:

F. If these regulations have minimal or no economic impact on small businesses under Part B, indicate the reason and attach small business worksheet.

G. Small Business Worksheet:

Attached Document:

Downloaded 08-11-10
Confirm data download 01-27-15
Draft 5-12-14

Title 26 DEPARTMENT OF THE ENVIRONMENT

Subtitle 11 AIR QUALITY

Chapter 29 [NO_x Reduction Requirements for Non-Electric Generating Units]
Control of NO_x Emissions from Natural Gas Pipeline Compression Stations

Regulations .01—.05 repealed

ALL NEW MATTER

.01 Definitions.

- A. In this chapter, the following terms have the meanings indicated.
- B. Terms defined.

(1) "Natural gas pipeline compression station" means a main line natural gas transmission station, consisting of one or more internal combustion engines, used to compress natural gas there-by sustaining flow of natural gas through the pipeline.

(2) "Parametric Optimization" means the adjustment of an internal combustion engine, such as adjustment of the air to fuel ratio, that maximizes engine efficiency and minimizes emissions.

.02 Applicability and General Requirements.

A. *Applicability.* This chapter applies to stationary internal combustion engines used to compress natural gas located at natural gas pipeline compression stations.

B. *NOx Emission Limits.* A person who owns or operates a stationary internal combustion engine to which this chapter applies shall perform either parametric optimization or engine re-build to meet the following NOx emission limits:

(1) Facilities with five or less internal combustion engines shall meet a combined maximum hourly emission limit of 300 pounds per hour or less.

(2) Facilities with more than five engines shall meet a combined maximum hourly emission limit of 566 pounds per hour or less.

C. *NOx Emission Rates.*

(1) The NOx emission rates in §C(2) of this regulation apply to a stationary internal combustion engine used to compress natural gas at a natural gas pipeline compression station if the engine is one of the types and corresponding sizes identified in §C(2).

(2) *Emission Rates.*

Type Engine percent oxygen)	Size (brake HP)	NOx Emission Rate (15
Spark ignited rich burn	2400 HP or greater	110 ppmv
Spark ignited lean burn	2400 HP or greater	125 ppmv
Diesel engines	3100 HP or greater	175 ppmv
Dual fuel engines	4400 HP or greater	125 ppmv

(3) The NOx emission rates in §C(2) of this regulation shall apply on and after May 1, 2003.

.03 Monitoring Requirements.

A. A person who owns or operates a stationary internal combustion engine subject to Regulation .02C shall:

(1) Continuously monitor NOx emissions with a continuous emissions monitor ("CEM") certified in accordance with 40 CFR Part 60 or use an alternative method approved by the Department and the EPA;

(2) On or before May 1, 2002, collect NOx emissions data that was obtained pursuant to §A(1) of this regulation; and

(3) Submit emissions data collected pursuant to §A(2) of this regulation to the Department for the previous calendar year by April 1 of each year.

B. The NOx emissions data collected pursuant to §A(2) of this regulation shall be used to demonstrate compliance with the emission reduction requirements in Regulation .02C of this chapter.

.04 Demonstrating Compliance.

A. Internal combustion engines equipped with a CEM.

(1) The owner or operator of an internal combustion engine subject to this chapter that is equipped with a CEM shall demonstrate compliance with the NOx emissions limits and rates in Regulation .02B & C of this chapter using CEM data.

(2) *The sum of the NOx emissions from all affected engines at the facility shall be used to demonstrate compliance with Regulation .02B.*

B. Internal combustion engines not equipped with a CEM.

(1) *The owner or operator of an internal combustion engine subject to this chapter that is not equipped with a CEM shall demonstrate compliance with the NOx emissions limits and rates in Regulation .02B & C of this chapter as follows:*

(a) *Compliance shall be established by stack tests using EPA Method 7 or other test methods approved by the Department and the EPA; or*

(b) *Compliance shall be established by an alternative emissions test approved by the Department.*

(2) *The results of the stack tests or alternative emissions test for each engine and fuel consumption records submitted to the Department pursuant to Regulation .05 shall be used to calculate NOx emissions for each affected engine.*

(3) *The sum of the NOx emissions from all of the stationary internal combustion engines at a natural gas pipeline compression station that are subject to this chapter shall be used to demonstrate compliance with Regulation .02B.*

(4) *Stack test schedule. The owner or operator of an internal combustion engine subject to this chapter that is not equipped with a CEM shall conduct a stack test or an alternative emissions test approved by the Department to determine NOx emissions for each affected engine not less than once each 12-month period.*

.05 Maintaining Records. *Results from the previous calendar year of the stack tests, emissions tests or CEM data and fuel consumption records for each internal combustion engine subject to this chapter shall be submitted to the Department as part of the annual emissions report due April 1 of each year.*

END ALL NEW MATTER