

# Fact Sheet



*For Draft/Proposed Renewal Permitting Action Under 45CSR30 and  
Title V of the Clean Air Act*

Permit Number: **R30-09500007-2010**  
Application Received: **September 7, 2010**  
Plant Identification Number: **095-00007**  
Permittee: **Dominion Transmission, Inc.**  
Facility Name: **Deep Valley Station**  
Mailing Address: **445 West Main Street, Clarksburg, WV 26301**

*Revised: Draft/Proposed*

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Physical Location:	Deep Valley, Tyler County, West Virginia
UTM Coordinates:	511.63 km Easting • 4354.77 km Northing • Zone 17
Directions:	Travel North West on State Route 18 from West Union. At Deep Valley take Route 56 and then follow approximately 2 miles up Raymond Ridge Road (County Route 56/1) to the site.

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## Facility Description

Deep Valley Station is a natural gas compressor station used to compress gas for Dominion Transmission, Inc.'s pipeline system in West Virginia. The reciprocating engines at the facility receive natural gas from a valve on a pipeline and compress it to enable further transportation in the pipeline. The facility operates under SIC Code 4922.

This is the second permit renewal for this facility.

## Emissions Summary

<b>Plantwide Emissions Summary [Tons per Year]</b>		
<b>Regulated Pollutants</b>	<b>Potential Emissions</b>	<b>2009 Actual Emissions</b>
Carbon Monoxide (CO)	48.3	44.67
Nitrogen Oxides (NO <sub>x</sub> )	323.8	301.36
Particulate Matter (PM <sub>10</sub> )	0.61	--
Total Particulate Matter (TSP)	0.61	0.38
Sulfur Dioxide (SO <sub>2</sub> )	0.04	0.02
Volatile Organic Compounds (VOC)	150.8	130.80

*PM<sub>10</sub> is a component of TSP.*

<b>Hazardous Air Pollutants</b>	<b>Potential Emissions</b>	<b>2009 Actual Emissions</b>
Formaldehyde	3.1	2.02
Benzene	0.4	0.08
Toluene	1.2	2.36
Ethylbenzene	0.7	0.01
n-Hexane	0.1	1.07
Xylene	7.5	0.02
Acetaldehyde	0.4	0.28
Acrolein	0.4	0.28

*Some of the above HAPs may be counted as PM or VOCs.*

### Title V Program Applicability Basis

This facility has the potential to emit 323.8 tons per year of Nitrogen Oxides (NO<sub>x</sub>) and 150.8 tons per year of Volatile Organic Compounds (VOC). Due to this facility's potential to emit over 100 tons per year of criteria pollutant, Dominion Transmission, Inc. is required to have an operating permit pursuant to Title V of the Federal Clean Air Act as amended and 45CSR30.

### Legal and Factual Basis for Permit Conditions

The State and Federally-enforceable conditions of the Title V Operating Permits are based upon the requirements of the State of West Virginia Operating Permit Rule 45CSR30 for the purposes of Title V of the Federal Clean Air Act and the underlying applicable requirements in other state and federal rules.

This facility has been found to be subject to the following applicable rules:

Federal and State:	45CSR2	Opacity Requirements for boilers
	45CSR6	Open burning prohibited.
	45CSR10	Sulfur requirements for fuel burned
	45CSR11	Standby plans for emergency episodes.
	45CSR13	

	45CSR17	Fugitive particulate matter
	WV Code § 22-5-4 (a) (14)	The Secretary can request any pertinent information such as annual emission inventory reporting.
	45CSR30	Operating permit requirement.
	40 C.F.R. Part 61	Asbestos inspection and removal
	40 C.F.R. Part 82, Subpart F	Ozone depleting substances
State Only:	45CSR4	No objectionable odors.
	45CSR42	Greenhouse Gas Emissions Inventory Program

Each State and Federally-enforceable condition of the draft Title V Operating Permit references the specific relevant requirements of 45CSR30 or the applicable requirement upon which it is based. Any condition of the draft Title V permit that is enforceable by the State but is not Federally-enforceable is identified in the draft Title V permit as such.

The Secretary's authority to require standards under 40 C.F.R. Part 60 (NSPS), 40 C.F.R. Part 61 (NESHAPs), and 40 C.F.R. Part 63 (NESHAPs MACT) is provided in West Virginia Code §§ 22-5-1 *et seq.*, 45CSR16, 45CSR34 and 45CSR30.

**Active Permits/Consent Orders**

Permit or Consent Order Number	Date of Issuance	Permit Determinations or Amendments That Affect the Permit ( <i>if any</i> )
R13-1104E	June 22, 2010	

Conditions from this facility's Rule 13 permit(s) governing construction-related specifications and timing requirements will not be included in the Title V Operating Permit but will remain independently enforceable under the applicable Rule 13 permit(s). All other conditions from this facility's Rule 13 permit(s) governing the source's operation and compliance have been incorporated into this Title V permit in accordance with the "General Requirement Comparison Table B," which may be downloaded from DAQ's website.

**Determinations and Justifications**

As stated in the permit application, there are no new modifications under this application. Thus the facility operates as described in the most recent modification to the previous Title V permit (R30-09500007-2006-SM01).

In addition to formatting and other minor changes, the following changes were made from the previous Title V permit (R30-09500007-2006):

- The emission units table was updated. Emission unit descriptions, installed dates, and design capacities were updated. No emission points were added or removed.
- Conditions 3.5.3. and 3.5.5. was revised to address electronic submittal of the annual certification to the USEPA. The certification shall now only be submitted to the USEPA via e-mail.
- Conditions 3.1.12. and 3.5.10. were added to address greenhouse gas reporting per 45CSR42. All greenhouse gases emitted above the *de minimis* amounts must be reported.

### **Non-Applicability Determinations**

The following requirements have been determined not to be applicable to the subject facility due to the following:

**40 CFR 64-Compliance Assurance Monitoring.** This is the second permit renewal for this facility. At the time of the first renewal, CAM was determined not to be applicable to the sources at this facility. Therefore, a CAM applicability determination is not required.

### **Request for Variances or Alternatives**

None.

### **Insignificant Activities**

Insignificant emission unit(s) and activities are identified in the Title V application.

### **Comment Period**

Beginning Date: October 13, 2010  
Ending Date: November 12, 2010

All written comments should be addressed to the following individual and office:

Rex Compston  
Title V Permit Writer  
West Virginia Department of Environmental Protection  
Division of Air Quality  
601 57<sup>th</sup> Street SE  
Charleston, WV 25304

### **Procedure for Requesting Public Hearing**

During the public comment period, any interested person may submit written comments on the draft permit and may request a public hearing, if no public hearing has already been scheduled. A request for public hearing shall be in writing and shall state the nature of the issues proposed to be raised in the hearing. The Secretary shall grant such a request for a hearing if he/she concludes that a public hearing is appropriate. Any public hearing shall be held in the general area in which the facility is located.

### **Point of Contact**

Rex Compston  
West Virginia Department of Environmental Protection  
Division of Air Quality  
601 57<sup>th</sup> Street SE  
Charleston, WV 25304  
Phone: 304/926-0499 ext. 1209 • Fax: 304/926-0478

### **Response to Comments (Statement of Basis)**

Not applicable.