

# Fact Sheet



## *For Significant Modification Permitting Action Under 45CSR30 and Title V of the Clean Air Act*

This Fact Sheet serves to address the changes specific to this Significant Modification, and shall be considered a supplement to the original Fact Sheet corresponding with the issuance of the initial Title V operating permit issued on June 7, 2006.

Permit Number: **R30-02100002-2006**  
Application Received: **August 25, 2006**  
Plant Identification Number: **02100002**  
Permittee: **Dominion Transmission, Inc.**  
Facility Name: **Jones Station**  
Mailing Address: **445 West Main St., Clarksburg, WV 26301**

*Permit Action Number: SM01 Revised: January 31, 2007*

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Physical Location:	Lockney, Gilmer County, West Virginia
UTM Coordinates:	502.87 km Easting • 4,300.26 km Northing • Zone 17
Directions:	Take I-79 to exit 79 Burnsville. Turn right onto Route 5 West. Go approximately 15 miles to junction of Route 33/119 and turn left. Continue on Route 33/119 for approximately 14 miles, the station is on the left.

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### **Facility Description**

Jones Compressor Station is a natural gas facility covered by Standard Industrial Classification (SIC) Code 4922.

This modification involves the replacement of the glycol dehydration unit and flare with a flare which has a federally enforceable efficiency of 95%. Associated monitoring, testing, recordkeeping, and reporting requirements are also being established.

### **Emissions Summary**

The emissions associated with the replacement of the dehydration unit reboiler, still column, and flare are as follows:

Pollutants	D2 (Reboiler)		D1 (Flare/Still Column)	
	Lb/hr	TPY	Lb/hr	TPY
Carbon Monoxide (CO)	0.03	0.11	0.19	0.84
Nitrogen Oxides (NOX)	0.03	0.13	0.04	0.15
Particulate Matter (PM10)	0.01	0.01	0.01	0.02
Total Particulate (TSP)	0.01	0.01	0.01	0.02
Volatile Organic Compounds (VOC)	0.01	0.01	4.72	20.67
<b>Hazardous Air Pollutants</b>				
Benzene			0.04	0.15
Hexanes			0.04	0.17
Toluene			0.15	0.65
Ethylbenzene			0.11	0.46
Xylene			0.38	1.67
Aggregated HAPs			0.72	3.1

**Title V Program Applicability Basis**

With the proposed changes associated with this modification, this facility maintains the potential to emit over 100 tons per year of NO<sub>x</sub> and VOCS. 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 Fuel Burning Units  
                                  45CSR6      Requirements for Combustion of Refuse (Incineration)  
                                  45CSR13    Preconstruction, Modification, Relocation Permit Requirements  
                                  45CSR30    Operating permit requirement.

State Only:                      N/A

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, 45CSR15, 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> )
R13-2669	July 19, 2006	

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**

#### **45CSR2 - To Prevent and Control Particulate Air Pollution from Combustion of Fuel in Indirect Heat Exchangers**

The 300,000 Btu/hr reboiler is subject to the opacity requirements in section 3. Since the reboiler is less than 10 million BTU/hr, per section 45CSR2-11, the reboiler will be exempt from sections 4, 5, 6, 8 and 9 of 45CSR2 (mass particulate emissions, monitoring, recordkeeping, and reporting requirements). Combustion of natural gas should provide a high margin of compliance with the opacity limit, and therefore monthly visible emission checks should be sufficient in demonstrating compliance.

#### **45CSR6 - To Prevent and Control Air Pollution from Combustion of Refuse.**

The flare is subject to section 4, particulate matter emission standards for incinerators. The flare has an allowable emission rate of 0.1 pounds of particulate matter per hour (assuming a natural gas density of 0.044 lb/ft<sup>3</sup>). The facility is proposing a streamlined limit of 0.01 pounds of particulate matter per hour. Therefore, compliance with the permitted limit will assure compliance with the maximum allowable limit under 45CSR6. The facility will demonstrate compliance by maintaining the amount of natural gas consumed by the flare and the hours of operation. The facility will also monitor the flame of the flare and record any malfunctions that may cause an absence of flame during operation. The facility will conduct testing 180 days after commencement of operation of the flare to ensure a control efficiency of 95%. In addition, the facility will also monitor visible emissions from the flare on a monthly basis.

#### **MACT Synthetic Minor**

The Jones Compressor Station is considered a production facility, which means the station is located upstream from an extraction facility. This extraction facility is Hastings Station. The facility has demonstrated it will be a synthetic minor in accordance with 40 CFR 63 Subpart HH with the flare achieving a 95.0% destruction efficiency of VOCs and HAPs emitted from the dehydration still vent column.

### **Non-Applicability Determinations**

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

45CSR10: Permit conditions 3.1.9. & 3.1.10. have been changed to exclude applicability of the 2,000 parts per million SO<sub>2</sub> concentration limit and 50 grains H<sub>2</sub>S/100 ft<sup>3</sup> of gas limit for the compressor engines. It has been determined by DAQ, that 45CSR10 is not applicable to compressor engines

Likewise, conditions 3.2.1. & 3.2.3. have been removed altogether since they were established for the purpose of demonstrating compliance with conditions 3.1.9. & 3.1.10. for the compressor engines.

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

None

### **Insignificant Activities**

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

### **Comment Period**

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

Toby Scholl  
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**

Toby Scholl  
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. 1213 • Fax: 304/926-0478

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

Not applicable.