

# Fact Sheet



## For Draft/Proposed 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 Fact Sheet corresponding with the Title V operating permit issued on July 13, 2011.

Permit Number: **R30-01300001-2011**  
Application Received: **July 12, 2012**  
Plant Identification Number: **03-54-01300001**  
Permittee: **Dominion Transmission, Inc.**  
Facility Name: **Yellow Creek Station**  
Mailing Address: **445 West Main Street, Clarksburg, WV 26301**

Permit Action Number: *SM01*      Revised: *Draft/Proposed*

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Physical Location:	Big Springs, Calhoun County, West Virginia
UTM Coordinates:	495.80 km Easting • 4314.80 km Northing • Zone 17
Directions:	Take Interstate 79 North to the Big Otter Exit. Take Route 16 North through Grantsville. After leaving Grantsville, travel on Route 16 North for approximately 6.1 miles to Calhoun County Route 6 (Klipstine Road). Turn right onto Route 6 and travel 1 mile; station is to the right of road.

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### Facility Description

Yellow Creek Compressor Station is a natural gas transmission facility covered by Standard Industrial Classification (SIC) Code 4922 and North American Industry Classification System (NAICS) Code 48612. The station consists of three (3) 1100 HP natural gas fired reciprocating engines, one (1) dehydrator reboiler, one (1) dehydration unit with flare, one (1) 16 HP air Compressor and nine (9) storage tanks of various sizes. The station has the potential to operate seven (7) days per week, twenty-four (24) hours per day.

The Yellow Creek Station is a production facility that compresses production gas to Hastings Extraction Plant.

This modification is to add two emergency generators (EG01 and EG02) which will be used to provide the station with necessary electricity when purchase power is not available. These two engines are permitted in 45CSR13 permit G60-C034. G60-C limits emergency engines to 500 hours per year of operation.

### Emissions Summary

The maximum annual emissions increase due to addition of the two engines is:

Pollutant	Maximum Annual Emissions (tpy)
NOx	0.02
CO	0.2
VOC	0.1
SO2	0.02
PM10	0.02
Formaldehyde	0.02

### Title V Program Applicability Basis

With the proposed changes associated with this modification, this facility maintains the potential to emit 268.35 tons per year of Carbon Monoxide (CO), 443.68 tons per year of NO<sub>x</sub> and 116.6 tons per year of 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.

The modification to this facility has been found to be subject to the following applicable rules:

Federal and State:	45CSR13	Construction Permit
	45CSR30	Operating permit requirement.
	40 C.F.R. Part 60, Subpart JJJJ	Stationary Spark Ignition Internal Combustion Engines NSPS
	40 C.F.R. Part 63, Subpart ZZZZ	National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines

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, 45CSR34 and 45CSR30.

### Active Permits/Consent Orders

Permit or Consent Order Number	Date of Issuance	Permit Determinations or Amendments That Affect the Permit (if any)
G60-C034	June 27, 2011	N/A
R13-2614A	June 27, 2006	N/A

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

**1) Emission Units Table Section 1.1**

a) The table is updated to include two engines EG01 and EG02.

**2) Active R13, R14 and R19 permits**

G60-C034 issued on June 27, 2011 is added.

**3) Title V Boilerplate changes:**

Conditions 3.1.9 and 3.5.10 – According to Director's directive 45CSR42 (Greenhouse gas Emissions Rule) requirements are deleted.

**4) CAM applicability for the generators EG01 and EG02 with control devices C1 & C2 (catalysts) -**

CAM does not apply to the generators because of 40 C.F.R. §64.2(b)(1)(i), which exempts emission limits or standards under Section 111 or 112 proposed after 11/15/1990. 40 C.F.R. 60 Subpart JJJJ was proposed after 11/15/1990 and limits emissions of NO<sub>x</sub>, CO, & VOC. Those emissions are the pollutants for which the catalyst controls.

Since the generators EG01 and EG02 are new and this is a significant modification, CAM is addressed.

**5) Section 7.0** - This section of the permit has been added for the emergency generators EG01 & EG02 (emission point ID's EG01 and EG02) and incorporates the requirements of 40 C.F.R. 63 Subpart ZZZZ applicable to the generators and requirements of 45CSR13 General Permit G60-C034 as an attachment to the Title V permit. According to 40 C.F.R. § 63.6590 (c), EG01 and EG02 meet the requirements of 40 C.F.R. 63 Subpart ZZZZ by meeting the requirements of 40 C.F.R. 60 Subpart JJJJ as spelled out in G60-C034. No further requirements apply for such engines under 40 C.F.R. 63 Subpart ZZZZ.

### Non-Applicability Determinations

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

**Greenhouse Gas Permitting** - There have been no modifications that have triggered a PSD permit. Therefore, there are no applicable GHG requirements.

### 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: August 16, 2012  
Ending Date: September 17, 2012

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

U.K.Bachhawat  
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**

U.K.Bachhawat  
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. 1256 • Fax: 304/926-0478

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

Not applicable.