



July 22, 2016

Mr. William F. Durham
Director
WVDEP, Division of Air Quality
601 – 57th Street SE
Charleston, West Virginia 25304



Re: Columbia Gas Transmission, Rule 13/Title V Modification Application, R13-2087E & R30-03900049-2012

Dear Mr. Durham,

Columbia Pipeline Group (CPG) and SLR International Corporation have prepared the attached 45CSR13 Modification Application for the Coco Compressor Station located in Kanawha County, West Virginia (Facility ID 039-00049). The facility would like to modify the facilities equipment to reflect the replacement of an existing line heater. The site currently operates under Title V operating permit number R30-03500003-2012 and Rule 13 permit number R13-2087E.

The company also plans to submit a Title V renewal application for this facility in the near future, but because of Boiler MACT applicability to the new equipment, approval through the Rule 13 program had to come first. SLR would be more than happy to discuss any of the details reflected by this application at your convenience. The legal notice has been submitted to the newspaper and is set to run on July 28, 2016. If any additional information is needed, please feel free to contact me by telephone at (304) 545-8563 or by e-mail at jhanshaw@slrconsulting.com

Sincerely,
SLR International Corporation


Jesse Hanshaw
Principal Engineer

Cc: Ms. Kelly Taylor, CPG Environmental Manager



global environmental solutions

Columbia Gas Transmission, LLC

Coco Compressor Station

Facility ID No. 039-00049

Elkview, West Virginia

Rule 13 and Title V Significant Modification Permit Application

SLR Ref: 116.01272.00035

July 2016





Rule 13 and Title V Significant Modification Permit Application

Prepared for:

Columbia Gas Transmission, LLC
1700 MacCorkle Avenue, SE
Charleston, West Virginia 25314

This document has been prepared by SLR International Corporation. The material and data in this permit application were prepared under the supervision and direction of the undersigned.

A handwritten signature in blue ink that reads "Chris Boggess".

Chris Boggess
Associate Engineer

A handwritten signature in blue ink that reads "Jesse Hanshaw".

Jesse Hanshaw P.E.
Principal Engineer

CONTENTS

ATTACHMENTS

APPLICATION FOR PERMIT

<u>ATTACHMENT A</u>	<u>BUSINESS CERTIFICATE</u>
<u>ATTACHMENT B</u>	<u>MAP(S)</u>
<u>ATTACHMENT C</u>	<u>INSTALLATION AND STARTUP SCHEDULE (SEE NOTES)</u>
<u>ATTACHMENT D</u>	<u>REGULATORY DISCUSSION</u>
<u>ATTACHMENT E</u>	<u>PLOT PLAN</u>
<u>ATTACHMENT F</u>	<u>PROCESS FLOW DIAGRAM</u>
<u>ATTACHMENT G</u>	<u>PROCESS DESCRIPTION</u>
<u>ATTACHMENT H</u>	<u>SAFETY DATA SHEETS (SEE NOTES)</u>
<u>ATTACHMENT I</u>	<u>EMISSION UNITS TABLE</u>
<u>ATTACHMENT J</u>	<u>EMISSION POINTS DATA SUMMARY SHEET(S)</u>
<u>ATTACHMENT K</u> ..	<u>FUGITIVE EMISSION DATA SUMMARY SHEET(S) (SEE NOTES)</u>
<u>ATTACHMENT L</u>	<u>EMISSION UNIT DATA SHEET(S)</u>
<u>ATTACHMENT M</u>	<u>AIR POLLUTION CONTROL DEVICE SHEET(S) (SEE NOTES)</u>
<u>ATTACHMENT N</u>	<u>SUPPORTING EMISSION CALCULATIONS</u>
<u>ATTACHMENT O</u> ..	<u>MONITORING/RECORDKEEPING/REPORTING/TESTING PLANS</u>
<u>ATTACHMENT P</u>	<u>PUBLIC NOTICE</u>
<u>ATTACHMENT Q</u>	<u>BUSINESS CONFIDENTIAL CLAIMS (SEE NOTES)</u>
<u>ATTACHMENT R</u>	<u>AUTHORITY FORMS</u>
<u>ATTACHMENT S</u>	<u>TITLE V PERMIT REVISION INFORMATION</u>
<u>APPLICATION FEE</u>	

Notes:

- ATTACHMENT C – N/A – No Installation and Startup Schedule necessary for single equipment replacement
- ATTACHMENT H – N/A – No change in materials processed at this facility occurred from this modification
- ATTACHMENT K – N/A – No change in fugitive emissions occurred from this modification
- ATTACHMENT M – N/A – No air pollution control devices utilized by new NG fired line heater
- ATTACHMENT Q – N/A – No information contained within this application claimed as confidential

APPLICATION FOR PERMIT

Rule 13 and Title V Significant Modification Permit Application

**Coco Compressor Station, Facility ID No. 039-00049
Elkview, West Virginia**

Columbia Gas Transmission, LLC
1700 MacCorkle Avenue, SE
Charleston, West Virginia

July 2016



WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF AIR QUALITY

601 57th Street, SE
Charleston, WV 25304
(304) 926-0475
www.dep.wv.gov/daq

**APPLICATION FOR NSR PERMIT
AND
TITLE V PERMIT REVISION
(OPTIONAL)**

PLEASE CHECK ALL THAT APPLY TO **NSR (45CSR13)** (IF KNOWN):

- CONSTRUCTION** **MODIFICATION** **RELOCATION**
 CLASS I ADMINISTRATIVE UPDATE **TEMPORARY**
 CLASS II ADMINISTRATIVE UPDATE **AFTER-THE-FACT**

PLEASE CHECK TYPE OF **45CSR30 (TITLE V)** REVISION (IF ANY):

- ADMINISTRATIVE AMENDMENT** **MINOR MODIFICATION**
 SIGNIFICANT MODIFICATION

IF ANY BOX ABOVE IS CHECKED, INCLUDE TITLE V REVISION INFORMATION AS **ATTACHMENT S** TO THIS APPLICATION

FOR TITLE V FACILITIES ONLY: Please refer to "Title V Revision Guidance" in order to determine your Title V Revision options (Appendix A, "Title V Permit Revision Flowchart") and ability to operate with the changes requested in this Permit Application.

Section I. General

1. Name of applicant (as registered with the WV Secretary of State's Office): Columbia Gas Transmission, LLC		2. Federal Employer ID No. (FEIN): 31-0802435-30	
3. Name of facility (if different from above): Coco Compressor Station		4. The applicant is the: <input type="checkbox"/> OWNER <input type="checkbox"/> OPERATOR <input checked="" type="checkbox"/> BOTH	
5A. Applicant's mailing address: 1700 MacCorkle Avenue, SE Charleston WV 25314		5B. Facility's present physical address: 7 Coco Road Elkview, WV 25071	
6. West Virginia Business Registration. Is the applicant a resident of the State of West Virginia? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO ⇒ If YES , provide a copy of the Certificate of Incorporation/Organization/Limited Partnership (one page) including any name change amendments or other Business Registration Certificate as Attachment A . ⇒ If NO , provide a copy of the Certificate of Authority/Authority of L.L.C./Registration (one page) including any name change amendments or other Business Certificate as Attachment A .			
7. If applicant is a subsidiary corporation, please provide the name of parent corporation:			
8. Does the applicant own, lease, have an option to buy or otherwise have control of the <i>proposed site</i> ? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO ⇒ If YES , please explain: The applicant owns the site. ⇒ If NO , you are not eligible for a permit for this source.			
9. Type of plant or facility (stationary source) to be constructed, modified, relocated, administratively updated or temporarily permitted (e.g., coal preparation plant, primary crusher, etc.): Natural Gas Compressor Station with Dehydration Unit		10. North American Industry Classification System (NAICS) code for the facility: 486210	
11A. DAQ Plant ID No. (for existing facilities only): 039-00049		11B. List all current 45CSR13 and 45CSR30 (Title V) permit numbers associated with this process (for existing facilities only): R30-03900049-2012 R13-2087E	

All of the required forms and additional information can be found under the Permitting Section of DAQ's website, or requested by phone.

<p>12A.</p> <p>⇒ For Modifications, Administrative Updates or Temporary permits at an existing facility, please provide directions to the <i>present location</i> of the facility from the nearest state road; For Construction or Relocation permits, please provide directions to the <i>proposed new site location</i> from the nearest state road. Include a MAP as Attachment B.</p> <p>Traveling from the intersection of State Route 114 and Secondary Route 49, proceed 3.4 miles and bear right on Route 49. Go 3.6 miles from the intersection of Routes 47 and 49 and turn left onto Secondary Route 71 (Coco Road). Travel approximately 1.5 miles; the station is located on the right side of the road.</p>		
12B. New site address (if applicable): N/A	12C. Nearest city or town: Elkview	12D. County: Kanawha
12.E. UTM Northing (KM): 4,250.476	12F. UTM Easting (KM): 463.523	12G. UTM Zone: 17N
<p>13. Briefly describe the proposed change(s) at the facility: The proposed new equipment consists of a new line heater replacement. The new replacement heater will be a TERI natural gas fired unit rated at 120,000 Btu/hr. This new line heater will replace the BS&B Indirect Gas Heater currently listed in the site's Title V permit as (HTR3), 90,000 Btu/hr installed in 1999.</p>		
<p>14A. Provide the date of anticipated installation or change: November 2016</p> <p>⇒ If this is an After-The-Fact permit application, provide the date upon which the proposed change did happen:</p>		<p>14B. Date of anticipated Start-Up if a permit is granted: ASAP</p>
<p>14C. Provide a Schedule of the planned Installation of/Change to and Start-Up of each of the units proposed in this permit application as Attachment C (if more than one unit is involved). Only one unit replacement as listed above</p>		
<p>15. Provide maximum projected Operating Schedule of activity/activities outlined in this application: Hours Per Day 24 Days Per Week 7 Weeks Per Year 52</p>		
<p>16. Is demolition or physical renovation at an existing facility involved? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO</p>		
<p>17. Risk Management Plans. If this facility is subject to 112(r) of the 1990 CAAA, or will become subject due to proposed changes (for applicability help see www.epa.gov/ceppo), submit your Risk Management Plan (RMP) to U. S. EPA Region III.</p>		
<p>18. Regulatory Discussion. List all Federal and State air pollution control regulations that you believe are applicable to the proposed process (<i>if known</i>). A list of possible applicable requirements is also included in Attachment S of this application (Title V Permit Revision Information). Discuss applicability and proposed demonstration(s) of compliance (<i>if known</i>). Provide this information as Attachment D.</p>		
<p>Section II. Additional attachments and supporting documents.</p>		
<p>19. Include a check payable to WVDEP – Division of Air Quality with the appropriate application fee (per 45CSR22 and 45CSR13).</p>		
<p>20. Include a Table of Contents as the first page of your application package.</p>		
<p>21. Provide a Plot Plan, e.g. scaled map(s) and/or sketch(es) showing the location of the property on which the stationary source(s) is or is to be located as Attachment E (Refer to Plot Plan Guidance) .</p> <p>⇒ Indicate the location of the nearest occupied structure (e.g. church, school, business, residence).</p>		
<p>22. Provide a Detailed Process Flow Diagram(s) showing each proposed or modified emissions unit, emission point and control device as Attachment F.</p>		
<p>23. Provide a Process Description as Attachment G.</p> <p>⇒ Also describe and quantify to the extent possible all changes made to the facility since the last permit review (if applicable).</p>		
<p>All of the required forms and additional information can be found under the Permitting Section of DAQ's website, or requested by phone.</p>		

24. Provide **Material Safety Data Sheets (MSDS)** for all materials processed, used or produced as **Attachment H**.
 ⇨ For chemical processes, provide a MSDS for each compound emitted to the air.

25. Fill out the **Emission Units Table** and provide it as **Attachment I**.

26. Fill out the **Emission Points Data Summary Sheet (Table 1 and Table 2)** and provide it as **Attachment J**.

27. Fill out the **Fugitive Emissions Data Summary Sheet** and provide it as **Attachment K**.

28. Check all applicable **Emissions Unit Data Sheets** listed below:

<input type="checkbox"/> Bulk Liquid Transfer Operations	<input type="checkbox"/> Haul Road Emissions	<input type="checkbox"/> Quarry
<input type="checkbox"/> Chemical Processes	<input type="checkbox"/> Hot Mix Asphalt Plant	<input type="checkbox"/> Solid Materials Sizing, Handling and Storage Facilities
<input type="checkbox"/> Concrete Batch Plant	<input type="checkbox"/> Incinerator	<input type="checkbox"/> Storage Tanks
<input type="checkbox"/> Grey Iron and Steel Foundry	<input checked="" type="checkbox"/> Indirect Heat Exchanger	
<input type="checkbox"/> General Emission Unit, specify:		

Fill out and provide the **Emissions Unit Data Sheet(s)** as **Attachment L**.

29. Check all applicable **Air Pollution Control Device Sheets** listed below:

<input type="checkbox"/> Absorption Systems	<input type="checkbox"/> Baghouse	<input type="checkbox"/> Flare
<input type="checkbox"/> Adsorption Systems	<input type="checkbox"/> Condenser	<input type="checkbox"/> Mechanical Collector
<input type="checkbox"/> Afterburner	<input type="checkbox"/> Electrostatic Precipitator	<input type="checkbox"/> Wet Collecting System
<input type="checkbox"/> Other Collectors, specify		

Fill out and provide the **Air Pollution Control Device Sheet(s)** as **Attachment M**.

30. Provide all **Supporting Emissions Calculations** as **Attachment N**, or attach the calculations directly to the forms listed in Items 28 through 31.

31. **Monitoring, Recordkeeping, Reporting and Testing Plans.** Attach proposed monitoring, recordkeeping, reporting and testing plans in order to demonstrate compliance with the proposed emissions limits and operating parameters in this permit application. Provide this information as **Attachment O**.

➤ Please be aware that all permits must be practically enforceable whether or not the applicant chooses to propose such measures. Additionally, the DAQ may not be able to accept all measures proposed by the applicant. If none of these plans are proposed by the applicant, DAQ will develop such plans and include them in the permit.

32. **Public Notice.** At the time that the application is submitted, place a **Class I Legal Advertisement** in a newspaper of general circulation in the area where the source is or will be located (See 45CSR§13-8.3 through 45CSR§13-8.5 and **Example Legal Advertisement** for details). Please submit the **Affidavit of Publication** as **Attachment P** immediately upon receipt.

33. **Business Confidentiality Claims.** Does this application include confidential information (per 45CSR31)?

YES NO

➤ If **YES**, identify each segment of information on each page that is submitted as confidential and provide justification for each segment claimed confidential, including the criteria under 45CSR§31-4.1, and in accordance with the DAQ's "**Precautionary Notice – Claims of Confidentiality**" guidance found in the **General Instructions** as **Attachment Q**.

Section III. Certification of Information

34. **Authority/Delegation of Authority.** Only required when someone other than the responsible official signs the application. Check applicable **Authority Form** below:

<input type="checkbox"/> Authority of Corporation or Other Business Entity	<input type="checkbox"/> Authority of Partnership
<input type="checkbox"/> Authority of Governmental Agency	<input checked="" type="checkbox"/> Authority of Limited Partnership

Submit completed and signed **Authority Form** as **Attachment R**.

All of the required forms and additional information can be found under the Permitting Section of DAQ's website, or requested by phone.

35A. **Certification of Information.** To certify this permit application, a Responsible Official (per 45CSR§13-2.22 and 45CSR§30-2.28) or Authorized Representative shall check the appropriate box and sign below.

Certification of Truth, Accuracy, and Completeness

I, the undersigned **Responsible Official** / **Authorized Representative**, hereby certify that all information contained in this application and any supporting documents appended hereto, is true, accurate, and complete based on information and belief after reasonable inquiry I further agree to assume responsibility for the construction, modification and/or relocation and operation of the stationary source described herein in accordance with this application and any amendments thereto, as well as the Department of Environmental Protection, Division of Air Quality permit issued in accordance with this application, along with all applicable rules and regulations of the West Virginia Division of Air Quality and W.Va. Code § 22-5-1 et seq. (State Air Pollution Control Act). If the business or agency changes its Responsible Official or Authorized Representative, the Director of the Division of Air Quality will be notified in writing within 30 days of the official change.

Compliance Certification

Except for requirements identified in the Title V Application for which compliance is not achieved, I, the undersigned hereby certify that, based on information and belief formed after reasonable inquiry, all air contaminant sources identified in this application are in compliance with all applicable requirements.

SIGNATURE  DATE: 7-18-2016
(Please use blue ink) (Please use blue ink)

35B. Printed name of signee: Tim Sweeney		35C. Title: Manager of Operations
35D. E-mail: tsweeney@cpg.com	36E. Phone: 304-722-8486	36F. FAX 304-357-2770
36A. Printed name of contact person (if different from above): Jesse Hanshaw, P.E.		36B. Title: Principal Engineer, SLR International Corporation
36C. E-mail: jhanshaw@slrconsulting.com	36D. Phone: 681-205-8949	36E. FAX: 681-205-8969

PLEASE CHECK ALL APPLICABLE ATTACHMENTS INCLUDED WITH THIS PERMIT APPLICATION:

- | | |
|--|--|
| <input checked="" type="checkbox"/> Attachment A: Business Certificate | <input type="checkbox"/> Attachment K: Fugitive Emissions Data Summary Sheet |
| <input checked="" type="checkbox"/> Attachment B: Map(s) | <input checked="" type="checkbox"/> Attachment L: Emissions Unit Data Sheet(s) |
| <input type="checkbox"/> Attachment C: Installation and Start Up Schedule | <input type="checkbox"/> Attachment M: Air Pollution Control Device Sheet(s) |
| <input checked="" type="checkbox"/> Attachment D: Regulatory Discussion | <input checked="" type="checkbox"/> Attachment N: Supporting Emissions Calculations |
| <input checked="" type="checkbox"/> Attachment E: Plot Plan | <input checked="" type="checkbox"/> Attachment O: Monitoring/Recordkeeping/Reporting/Testing Plans |
| <input checked="" type="checkbox"/> Attachment F: Detailed Process Flow Diagram(s) | <input checked="" type="checkbox"/> Attachment P: Public Notice |
| <input checked="" type="checkbox"/> Attachment G: Process Description | <input type="checkbox"/> Attachment Q: Business Confidential Claims |
| <input type="checkbox"/> Attachment H: Material Safety Data Sheets (MSDS) | <input checked="" type="checkbox"/> Attachment R: Authority Forms |
| <input checked="" type="checkbox"/> Attachment I: Emission Units Table | <input checked="" type="checkbox"/> Attachment S: Title V Permit Revision Information |
| <input checked="" type="checkbox"/> Attachment J: Emission Points Data Summary Sheet | <input checked="" type="checkbox"/> Application Fee |

Please mail an original and three (3) copies of the complete permit application with the signature(s) to the DAQ, Permitting Section, at the address listed on the first page of this application. Please DO NOT fax permit applications.

FOR AGENCY USE ONLY – IF THIS IS A TITLE V SOURCE:

- Forward 1 copy of the application to the Title V Permitting Group and:
- For Title V Administrative Amendments:
 - NSR permit writer should notify Title V permit writer of draft permit,
- For Title V Minor Modifications:
 - Title V permit writer should send appropriate notification to EPA and affected states within 5 days of receipt,
 - NSR permit writer should notify Title V permit writer of draft permit.
- For Title V Significant Modifications processed in parallel with NSR Permit revision:
 - NSR permit writer should notify a Title V permit writer of draft permit,
 - Public notice should reference both 45CSR13 and Title V permits,
 - EPA has 45 day review period of a draft permit.

ATTACHMENT A

BUSINESS CERTIFICATE

**Rule 13 and Title V Significant Modification Permit
Application**

**Coco Compressor Station, Facility ID No. 039-00049
Elkview, West Virginia**

Columbia Gas Transmission, LLC
1700 MacCorkle Avenue, SE
Charleston, West Virginia

July 2016

**WEST VIRGINIA
STATE TAX DEPARTMENT
BUSINESS REGISTRATION
CERTIFICATE**

ISSUED TO:
**COLUMBIA GAS TRANSMISSION LLC
5151 SAN FELIPE ST 2500
HOUSTON, TX 77056-3639**

BUSINESS REGISTRATION ACCOUNT NUMBER: 1025-1555

This certificate is issued on: **07/1/2011**

*This certificate is issued by
the West Virginia State Tax Commissioner
in accordance with Chapter 11, Article 12, of the West Virginia Code*

*The person or organization identified on this certificate is registered
to conduct business in the State of West Virginia at the location above.*

This certificate is not transferrable and must be displayed at the location for which issued.

This certificate shall be permanent until cessation of the business for which the certificate of registration was granted or until it is suspended, revoked or cancelled by the Tax Commissioner.

Change in name or change of location shall be considered a cessation of the business and a new certificate shall be required.

TRAVELING/STREET VENDORS: Must carry a copy of this certificate in every vehicle operated by them.
CONTRACTORS, DRILLING OPERATORS, TIMBER/LOGGING OPERATIONS: Must have a copy of this certificate displayed at every job site within West Virginia.

ATTACHMENT B

MAP

Rule 13 and Title V Significant Modification Permit Application

**Coco Compressor Station, Facility ID No. 039-00049
Elkview, West Virginia**

Columbia Gas Transmission, LLC
1700 MacCorkle Avenue, SE
Charleston, West Virginia

July 2016



GPS Coordinates of Sites:

Lat: 38.40177, Long: -81.41776

UTM Coordinates of Sites:

Easting: 463.523 km, Northing: 4,250.476 km, Zone: 17

Columbia Gas Transmission, LLC
1700 MacCorkle Avenue, SE
Charleston, WV 25314

Report

45CSR13 Construction/Modification Application
Coco Compressor Station (ID No. 039-00049)

Drawing

Area Map

Date: July 2016

Drawn By: CLB

Project: 116.01272.00035

ATTACHMENT C

INSTALLATION AND START-UP SCHEDULE

NOT APPLICABLE

**Rule 13 and Title V Significant Modification Permit
Application**

**Coco Compressor Station, Facility ID No. 039-00049
Elkview, West Virginia**

Columbia Gas Transmission, LLC
1700 MacCorkle Avenue, SE
Charleston, West Virginia

July 2016

ATTACHMENT D

REGULATORY DISCUSSION

**Rule 13 and Title V Significant Modification Permit
Application**

**Coco Compressor Station, Facility ID No. 039-00049
Elkview, West Virginia**

Columbia Gas Transmission, LLC
1700 MacCorkle Avenue, SE
Charleston, West Virginia

July 2016

REGULATORY DISCUSSION

APPLICABLE REGULATIONS

The new stationary source, natural gas indirect fired line heater unit proposed as a modification to Coco facility is subject to the following applicable rules and regulations:

Federal and State:

45 CSR 2 – *To Prevent and Control Particulate Air Pollution Control from Combustion of Indirect Heat Exchangers*

The indirect heat exchanger consists of a 0.12 million Btu/hr fuel gas heater, which is subject to the visible emission standard of §45-2-3 as follows:

3.1. No person shall cause, suffer, allow or permit emission of smoke and/or particulate matter into the open air from any fuel burning unit which is greater than ten (10) percent opacity based on a six minute block average.

However, in accordance with the exemptions defined with §45-2-11 these sources have limited requirements as follows:

11.1. Any fuel burning unit(s) having a heat input under ten (10) million B.T.U.'s per hour will be exempt from sections 4, 5, 6, 8 and 9. However, failure to attain acceptable air quality in parts of some urban areas may require the mandatory control of these sources at a later date.

45 CSR 4 – *To Prevent and Control the Discharge of Air Pollutants into the Open Air Which Causes or Contributes to an Objectionable Odor or Odors*

45 CSR 10 – *To Prevent and Control Air Pollution from the Emission of Sulfur Oxides*

The emission unit evaluated within this modification application utilizes a fuel burning unit, but it is less than the exemption threshold of 10 MMBtu/hr as stated in 45CSR§10-10.1 as follows:

10.1 Any fuel burning units having a design heat input under ten (10) million BTU's per hour will be exempt from section 3 and sections 6 through 8. However, failure to attain acceptable air quality in parts of some urban areas may require the mandatory control of these sources at a later date.

45 CSR 11 – *Prevention of Air Pollution Emergency Episodes*

45 CSR 13 – *Permits for Construction, Modification, Relocation, and Operation of Stationary Source of Air Pollutants*

This application has been prepared to propose the installation of a small NG fired line heater which is subject to the work practice standards of 40 CFR 63, subpart DDDDD

for small NG fired heaters less than 5 MMBtu/hr. If approved the existing permit R13-2087E shall be modified to R13-2087F.

45 CSR 17 – *To Prevent and Control Particulate Matter Air Pollution from Materials Handling, Preparation, Storage and Other Sources of Particulate Matter*

40 CFR 63 Subpart DDDDD – *NESHAP for Industrial, Commercial, and Institutional Boilers and Process Heaters*

Emission Unit HTR5 is a new process heater rated at 0.12 MMBtu/hr. The unit is natural gas fired unit subject to Subpart DDDDD since it is located at a major source of HAPs.

In accordance with 40CFR 63.7500(a)(1) and thus Table 3, the new process heater is required to conduct tune up evaluations of the burner once every 5 years to assure complete combustion is being maintained.

Additionally, according to 40 CFR§63.7510(g), new or reconstructed affected sources (as defined in 40CFR§63.7490), must demonstrate initial compliance with the applicable work practice standards in Table 3 to 40CFR63, Subpart DDDDD within the applicable annual, biennial, or 5-year schedule as specified in 40CFR§63.7515(d) following the initial compliance date specified in 40CFR§63.7495(a). Thereafter, the permittee is required to complete the applicable annual, biennial, or 5-year tune-up as specified in 40CFR§63.7515(d).

NON-APPLICABILITY DETERMINATIONS

The following requirements have been determined “not applicable” due to the following:

45 CSR 10 – *To Prevent and Control Air Pollution from the Emission of Sulfur Oxides*

The fuel burning unit evaluated within the modification application is exempt from Sections 4 and 5 of this Rule because the site does not meet the definition of manufacturing process or refinery process.

45 CSR 21 – *To Prevent and Control Air Pollution from the Emission of Volatile Organic Compounds*

The station is not engaged in the extraction or fractionation of natural gas which exempts the facility from 45CSR§21-29. No other VOC standards would apply to the NG heater.

45 CSR 27 – *To Prevent and Control the Emissions of Toxic Air Pollutants*

Natural Gas is included as a petroleum product and contains less than 5% benzene by weight. 45CSR§27-2.4 exempts equipment “used in the production and distribution of petroleum products providing that such equipment does not produce or contact materials containing more than 5% benzene by weight”.

40 CFR 60 Subpart Dc – *Standards of Performance for Steam Generating Units*

The line heater at this facility is well below 10 million BTU/hr; hence, Subpart Dc is not applicable in accordance with 60.40c (a)

40 CFR 60 Subpart KKK – *Standards of Performance for Equipment Leaks of VOC from Onshore Natural Gas Processing Plant*

This subpart is not applicable because this station is not engaged in the extraction or fractionation of natural gas liquids from field gas, the fractionation of mixed natural gas liquids to natural gas products, or both.

40 CFR 60 Subpart OOOOa – *New Source Performance Standards for Crude Oil and Natural Gas Facilities for which Construction, Modification, or Reconstruction Commenced after September 18, 2015.*

This subpart does not apply to this facility since the installation of the line heater does not trigger the definition of a modification to a compressor station. This is reserved for an increase in horsepower capacity as defined within 40 CFR§60.5365a (j).

40 CFR 63 Subpart JJJJJJ – *NESHAP for Industrial, Commercial, and Institutional Boilers Area Sources*

This subpart is not applicable since the facility is a major source of HAPs

ATTACHMENT E

PLOT PLAN

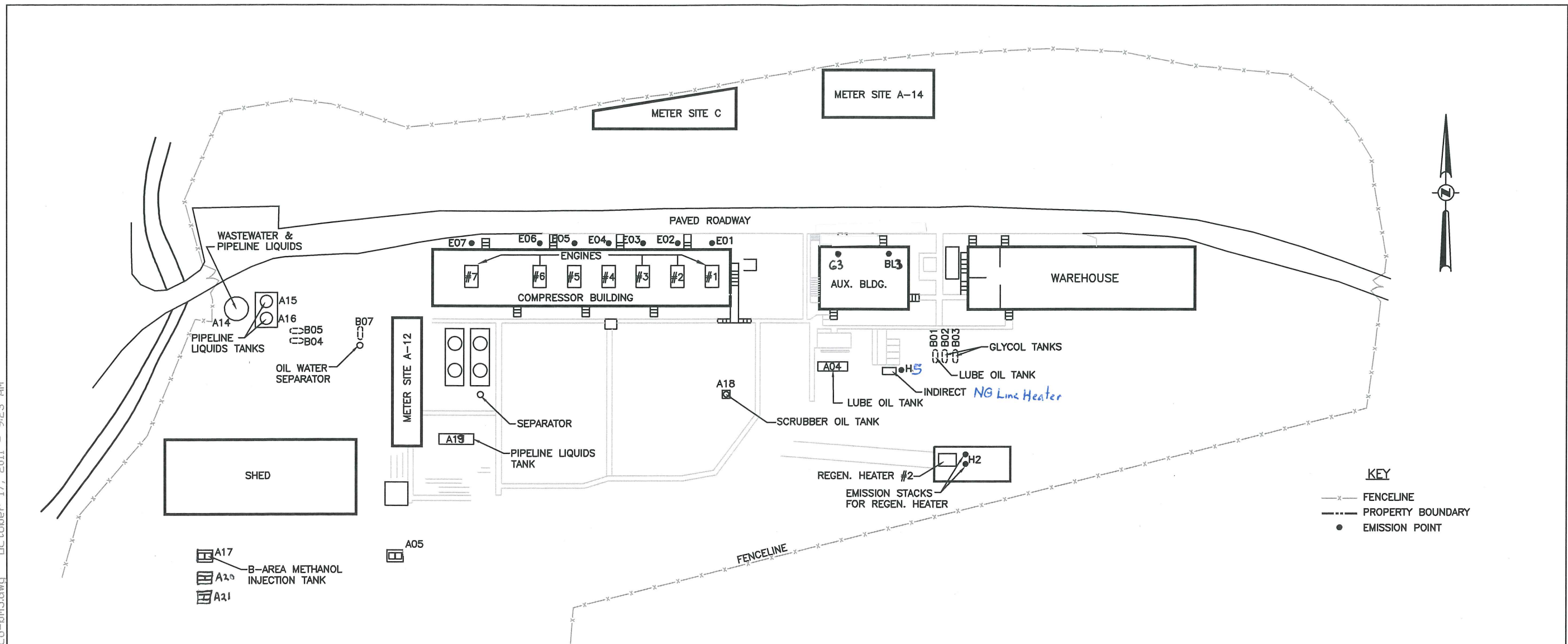
Rule 13 and Title V Significant Modification Permit Application

**Coco Compressor Station, Facility ID No. 039-00049
Elkview, West Virginia**

Columbia Gas Transmission, LLC
1700 MacCorkle Avenue, SE
Charleston, West Virginia

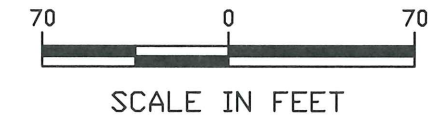
July 2016

S:\C3D-Proj\YR\2010\10-0412-misourse\008\Coco-bm5.dwg October 17, 2011 - 9:23 AM



KEY
 -x- FENCELINE
 - - - PROPERTY BOUNDARY
 ● EMISSION POINT

ELEVATION = 700 FEET
 LAT. 38°24'07" LONG. 81°25'02"



SIGNIFICANT EMISSION UNITS	
Emission Point ID	Equipment Category
E01	Recip Engine/Integral Compressor No. 00801
E02	Recip Engine/Integral Compressor No. 00802
E03	Recip Engine/Integral Compressor No. 00803
E04	Recip Engine/Integral Compressor No. 00804
E05	Recip Engine/Integral Compressor No. 00805
E06	Recip Engine/Integral Compressor No. 00806
E07	Recip Engine/Integral Compressor No. 00807
G3	Recip Engine/Generator No. 00808
BL3	Boiler No. 3
H2	Regeneration Gas Heater (2 Stacks)
H5	NG Line Heater

SCALE	AS SHOWN	DESIGNED BY	DATE	DRAWING TITLE
CONFIDENTIAL-ALL RIGHTS RESERVED-PROPERTY OF		DRAWN BY	DATE	Site Plan Columbia Gas Transmission Corp. Coco Station
RDU, NORTH CAROLINA 27560		CHECKED BY	DATE	
		APPROVED BY	DATE	
		CONTRACT NO.		DRAWING NO.
		31827062		COCO-BM5
				REV.
				0

Figure 2-2. Plot Plan

ATTACHMENT F

PROCESS FLOW DIAGRAM

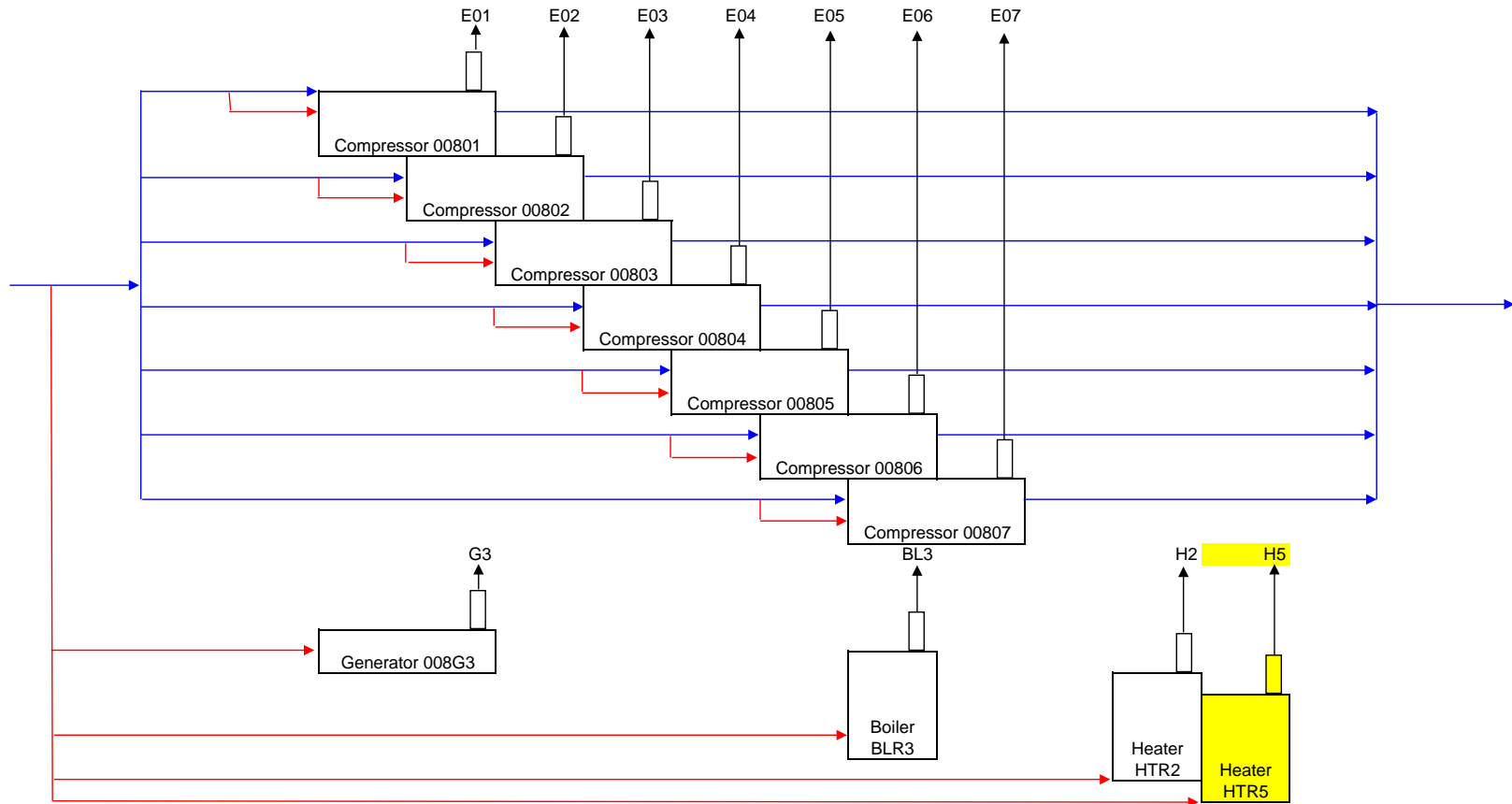
**Rule 13 and Title V Significant Modification Permit
Application**

**Coco Compressor Station, Facility ID No. 039-00049
Elkview, West Virginia**

Columbia Gas Transmission, LLC
1700 MacCorkle Avenue, SE
Charleston, West Virginia

July 2016

ATTACHMENT F COCO COMPRESSOR STATION PROCESS FLOW DIAGRAM



→ Transmission Gas Stream
→ Fuel Gas
→ Emission Stream

Denotes New Equipment

ATTACHMENT G

PROCESS DESCRIPTION

**Rule 13 and Title V Significant Modification Permit
Application**

**Coco Compressor Station, Facility ID No. 039-00049
Elkview, West Virginia**

Columbia Gas Transmission, LLC
1700 MacCorkle Avenue, SE
Charleston, West Virginia

July 2016

PROCESS DESCRIPTION

PROPOSED MODIFICATION

Columbia Gas is proposing to modify the facility by making the following changes to operating equipment:

- Remove existing emission unit HTR3 from service.
 - This is a 0.09 MMBtu/hr natural gas fired line heater, which is used to preheat the fuel gas going to the compressor engines.

- Install a new replacement heater as emission unit HTR5.
 - Emission unit HTR5 will consist of a 0.12 MMBtu/hr natural gas fired line TERI heater manufactured by OGI Process Equipment, Inc.

ATTACHMENT H

SAFETY DATA SHEETS (SDS)

NOT APPLICABLE

**Rule 13 and Title V Significant Modification Permit
Application**

**Coco Compressor Station, Facility ID No. 039-00049
Elkview, West Virginia**

Columbia Gas Transmission, LLC
1700 MacCorkle Avenue, SE
Charleston, West Virginia

July 2016

ATTACHMENT I

EMISSION UNITS TABLE

Rule 13 and Title V Significant Modification Permit Application

**Coco Compressor Station, Facility ID No. 039-00049
Elkview, West Virginia**

Columbia Gas Transmission, LLC
1700 MacCorkle Avenue, SE
Charleston, West Virginia

July 2016

Attachment I

Emission Units Table

(includes all emission units and air pollution control devices
that will be part of this permit application review, regardless of permitting status)

Emission Unit ID ¹	Emission Point ID ²	Emission Unit Description	Year Installed/ Modified	Design Capacity	Type ³ and Date of Change	Control Device ⁴
HTR5	H5	Indirect NG Line Heater; TERI	2016	0.12 MMBtu/hr	New	None
HTR3	H3	Indirect NG Line Heater; BS&B	1999	0.09 MMBtu/hr	Removal	None

¹ For Emission Units (or Sources) use the following numbering system: 1S, 2S, 3S,... or other appropriate designation.

² For Emission Points use the following numbering system: 1E, 2E, 3E, ... or other appropriate designation.

³ New, modification, removal

⁴ For Control Devices use the following numbering system: 1C, 2C, 3C,... or other appropriate designation.

ATTACHMENT J

EMISSION POINTS DATA SUMMARY SHEET

Rule 13 and Title V Significant Modification Permit Application

**Coco Compressor Station, Facility ID No. 039-00049
Elkview, West Virginia**

Columbia Gas Transmission, LLC
1700 MacCorkle Avenue, SE
Charleston, West Virginia

July 2016

**Attachment J
EMISSION POINTS DATA SUMMARY SHEET**

Table 1: Emissions Data															
Emission Point ID No. (Must match Emission Units Table & Plot Plan)	Emission Point Type ¹	Emission Unit Vented Through This Point (Must match Emission Units Table & Plot Plan)		Air Pollution Control Device (Must match Emission Units Table & Plot Plan)		Vent Time for Emission Unit (chemical processes only)		All Regulated Pollutants - Chemical Name/CAS ³ (Speciate VOCs & HAPS)	Maximum Potential Uncontrolled Emissions ⁴		Maximum Potential Controlled Emissions ⁵		Emission Form or Phase (At exit conditions, Solid, Liquid or Gas/Vapor)	Est. Method Used ⁶	Emission Concentration ⁷ (ppmv or mg/m ⁴)
		ID No.	Source	ID No.	Device Type	Short Term ²	Max (hr/yr)		lb/hr	ton/yr	lb/hr	ton/yr			
H5	Vertical Stack	HTR5	0.12 MMBtu/hr TERI Line Heater	NA	NA	NA	NA	NO _x CO VOC SO ₂ PM ₁₀ CO _{2e}	0.01 0.01 0.00 0.01 0.00 14.04	0.05 0.04 0.00 0.00 0.00 61.5	0.01 0.01 0.00 0.01 0.00 14.04	0.05 0.04 0.00 0.00 0.00 61.5	Gas/ Vapor	EE	Can Supply Upon Request

The EMISSION POINTS DATA SUMMARY SHEET provides a summation of emissions by emission unit. Note that uncaptured process emission unit emissions are not typically considered to be fugitive and must be accounted for on the appropriate EMISSIONS UNIT DATA SHEET and on the EMISSION POINTS DATA SUMMARY SHEET. Please note that total emissions from the source are equal to all vented emissions, all fugitive emissions, plus all other emissions (e.g. uncaptured emissions). Please complete the FUGITIVE EMISSIONS DATA SUMMARY SHEET for fugitive emission activities.

¹ Please add descriptors such as upward vertical stack, downward vertical stack, horizontal stack, relief vent, rain cap, etc.

² Indicate by "C" if venting is continuous. Otherwise, specify the average short-term venting rate with units, for intermittent venting (ie., 15 min/hr). Indicate as many rates as needed to clarify frequency of venting (e.g., 5 min/day, 2 days/wk).

³ List all regulated air pollutants. Speciate VOCs, including all HAPs. Follow chemical name with Chemical Abstracts Service (CAS) number. **LIST** Acids, CO, CS₂, VOCs, H₂S, Inorganics, Lead, Organics, O₃, NO, NO₂, SO₂, SO₃, all applicable Greenhouse Gases (including CO₂ and methane), etc. **DO NOT LIST** H₂, H₂O, N₂, O₂, and Noble Gases.

⁴ Give maximum potential emission rate with no control equipment operating. If emissions occur for less than 1 hr, then record emissions per batch in minutes (e.g. 5 lb VOC/20 minute batch).

⁵ Give maximum potential emission rate with proposed control equipment operating. If emissions occur for less than 1 hr, then record emissions per batch in minutes (e.g. 5 lb VOC/20 minute batch).

⁶ Indicate method used to determine emission rate as follows: MB = material balance; ST = stack test (give date of test); EE = engineering estimate; O = other (specify).

⁷ Provide for all pollutant emissions. Typically, the units of parts per million by volume (ppmv) are used. If the emission is a mineral acid (sulfuric, nitric, hydrochloric or phosphoric) use units of milligram per dry cubic meter (mg/m³) at standard conditions (68 °F and 29.92 inches Hg) (see 45CSR7). If the pollutant is SO₂, use units of ppmv (See 45CSR10).

**Attachment J
EMISSION POINTS DATA SUMMARY SHEET**

Table 2: Release Parameter Data								
Emission Point ID No. <i>(Must match Emission Units Table)</i>	Inner Diameter (ft.)	Exit Gas			Emission Point Elevation (ft)		UTM Coordinates (km)	
		Temp. (°F)	Volumetric Flow ¹ (acfm) <i>at operating conditions</i>	Velocity (fps)	Ground Level <i>(Height above mean sea level)</i>	Stack Height ² <i>(Release height of emissions above ground level)</i>	Northing	Easting
H5	0.552	350	33.4	2.3	673ft	8 ft	4,250.476	463.523

¹ Give at operating conditions. Include inerts.

² Release height of emissions above ground level.

ATTACHMENT K

FUGITIVE EMISSIONS DATA SUMMARY SHEET

NOT APPLICABLE

**Rule 13 and Title V Significant Modification Permit
Application**

**Coco Compressor Station, Facility ID No. 039-00049
Elkview, West Virginia**

Columbia Gas Transmission, LLC
1700 MacCorkle Avenue, SE
Charleston, West Virginia

July 2016

ATTACHMENT L

EMISSION UNIT DATA SHEET

**Rule 13 and Title V Significant Modification Permit
Application**

**Coco Compressor Station, Facility ID No. 039-00049
Elkview, West Virginia**

Columbia Gas Transmission, LLC
1700 MacCorkle Avenue, SE
Charleston, West Virginia

July 2016

Attachment L
Emission Unit Data Sheet
 (INDIRECT HEAT EXCHANGER)

Control Device ID No. (must match List Form):

Equipment Information

1. Manufacturer: OGI Process Equipment, Inc.	2. Model No. TERI 125 Serial No.
3. Number of units: 1	4. Use: NG Fuel Gas Line Heater
5. Rated Boiler Horsepower: NA hp	6. Boiler Serial No.: NA
7. Date constructed: 2016	8. Date of last modification and explain: NA
9. Maximum design heat input per unit: 0.12 $\times 10^6$ BTU/hr	10. Peak heat input per unit: 0.12 $\times 10^6$ BTU/hr
11. Steam produced at maximum design output: LB/hr psig	12. Projected Operating Schedule: Hours/Day 24 Days/Week 7 Weeks/Year 52
13. Type of firing equipment to be used: <input type="checkbox"/> Pulverized coal <input type="checkbox"/> Spreader stoker <input type="checkbox"/> Oil burners <input checked="" type="checkbox"/> Natural Gas Burner <input type="checkbox"/> Others, specify	14. Proposed type of burners and orientation: <input type="checkbox"/> Vertical <input type="checkbox"/> Front Wall <input type="checkbox"/> Opposed <input type="checkbox"/> Tangential <input checked="" type="checkbox"/> Others, specify Horizontal Fire Tube
15. Type of draft: <input type="checkbox"/> Forced <input checked="" type="checkbox"/> Induced	16. Percent of ash retained in furnace: NA %
17. Will flyash be reinjected? <input type="checkbox"/> Yes <input type="checkbox"/> No	18. Percent of carbon in flyash: NA %

Stack or Vent Data

19. Inside diameter or dimensions: 0.55 ft.	20. Gas exit temperature: 350-600 °F
21. Height: 8 ft.	22. Stack serves: <input checked="" type="checkbox"/> This equipment only <input type="checkbox"/> Other equipment also (submit type and rating of all other equipment exhausted through this stack or vent)
23. Gas flow rate: 33.4 ft ³ /min	
24. Estimated percent of moisture: 20 %	

Emissions Stream

37. What quantities of pollutants will be emitted from the boiler before controls?

Pollutant	Pounds per Hour lb/hr	grain/ACF	@ °F	PSIA
CO	0.01			
Hydrocarbons	0.00			
NO _x	0.01			
Pb	0.00			
PM ₁₀	0.00			
SO ₂	0.01			
VOCs	0.00			
Other (specify)				

38. What quantities of pollutants will be emitted from the boiler after controls?

Pollutant	Pounds per Hour lb/hr	grain/ACF	@ °F	PSIA
CO	NA - no control			
Hydrocarbons				
NO _x				
Pb				
PM ₁₀				
SO ₂				
VOCs				
Other (specify)				

39. How will waste material from the process and control equipment be disposed of?

NA - No Control Necessary

40. Have you completed an *Air Pollution Control Device Sheet(s)* for the control(s) used on this Emission Unit.

41. Have you included the **air pollution rates** on the Emissions Points Data Summary Sheet? Yes

42. Proposed Monitoring, Recordkeeping, Reporting, and Testing

Please propose monitoring, recordkeeping, and reporting in order to demonstrate compliance with the proposed operating parameters. Please propose testing in order to demonstrate compliance with the proposed emissions limits.

MONITORING PLAN: Please list (1) describe the process parameters and how they were chosen (2) the ranges and how they were established for monitoring to demonstrate compliance with the operation of this process equipment operation or air pollution control device.

Opacity will be monitored via Method 22 to assure compliance is maintained in accordance with 45CSR2 - 10% visible emission requirement.

TESTING PLAN: Please describe any proposed emissions testing for this process equipment or air pollution control device.

The boiler will be required to conduct tune up testing of CO and NOx every 5 years in accordance with 40 CFR 63, subpart DDDDD. If visible emissions are detected with Method 22 and the cause of excess emissions is not corrected within 24 hours a Method 9 test shall be conducted to quantify the visible emissions and assess compliance with 45CSR2.

RECORDKEEPING: Please describe the proposed recordkeeping that will accompany the monitoring.

Records will be kept of any visible emission exceedances according to 45CSR2. Additionally, the tune up records will be maintained to show compliance with 40 CFR 63, Subpart DDDDD

REPORTING: Please describe the proposed frequency of reporting of the recordkeeping.

Semiannual and Annual compliance reports will be submitted in accordance with the facility's Title V permit.

43. Describe all operating ranges and maintenance procedures required by Manufacturer to maintain warranty.

The flame arrestor air intake shall be inspected and cleaned at least once per year.

ATTACHMENT M

AIR POLLUTION CONTROL DEVICE SHEET(S)

NOT APPLICABLE

**Rule 13 and Title V Significant Modification Permit
Application**

**Coco Compressor Station, Facility ID No. 039-00049
Elkview, West Virginia**

Columbia Gas Transmission, LLC
1700 MacCorkle Avenue, SE
Charleston, West Virginia

July 2016

ATTACHMENT N

SUPPORTING EMISSIONS CALCULATIONS

**Rule 13 and Title V Significant Modification Permit
Application**

**Coco Compressor Station, Facility ID No. 039-00049
Elkview, West Virginia**

Columbia Gas Transmission, LLC
1700 MacCorkle Avenue, SE
Charleston, West Virginia

July 2016

Table 1. Indirect NG Line Heater Emissions (H5)

TERI

Coco Compressor Station

Pollutant	Emission Factor	PTE (lb/hr)	PTE (ton/yr)
Criteria Pollutants			
PM/PM10/PM2.5	7.6 lb/MMcf (1)	0.00 (a)	0.00 (b)
SO ₂ (Hourly)	20 grains S / 100ft ³ (5)	0.01 (e)	-
SO ₂ (Annual)	0.25 grains S / 100ft ³ (5)	-	0.00 (f)
NO _x	100 lb/MMcf (2)	0.01 (a)	0.05 (a)
CO	84 lb/MMcf (2)	0.01 (a)	0.04 (a)
VOC	5.5 lb/MMcf (1)	0.00 (a)	0.00 (b)
Hazardous Air Pollutants			
Arsenic	2.00E-04 lb/MMcf (3)	0.00 (a)	0.000 (b)
Benzene	2.10E-03 lb/MMcf (4)	0.00 (a)	0.000 (b)
Beryllium	1.20E-05 lb/MMcf (3)	0.00 (a)	0.000 (b)
Cadmium	1.10E-03 lb/MMcf (3)	0.00 (a)	0.000 (b)
Chromium	1.40E-03 lb/MMcf (3)	0.00 (a)	0.000 (b)
Cobalt	8.40E-05 lb/MMcf (3)	0.00 (a)	0.000 (b)
Dichlorobenzene	1.20E-03 lb/MMcf (4)	0.00 (a)	0.000 (b)
Formaldehyde	7.50E-02 lb/MMcf (4)	0.00 (a)	0.000 (b)
Hexane	1.80E+00 lb/MMcf (4)	0.00 (a)	0.001 (b)
Lead	5.00E-04 lb/MMcf (3)	0.00 (a)	0.000 (b)
Manganese	3.80E-04 lb/MMcf (3)	0.00 (a)	0.000 (b)
Mercury	2.60E-04 lb/MMcf (3)	0.00 (a)	0.000 (b)
Naphthalene	6.10E-04 lb/MMcf (4)	0.00 (a)	0.000 (b)
Nickel	2.10E-03 lb/MMcf (3)	0.00 (a)	0.000 (b)
PAH/POM	1.29E-03 lb/MMcf (4)	0.00 (a)	0.000 (b)
Selenium	2.40E-05 lb/MMcf (3)	0.00 (a)	0.000 (b)
Toluene	3.40E-03 lb/MMcf (4)	0.00 (a)	0.000 (b)
Total HAP		0.00	0.001
Greenhouse Gas Emissions			
CO ₂	116.89 lb/MMBtu (6)	14.03 (c)	61.44 (d)
CH ₄	2.2E-03 lb/MMBtu (6)	0.00 (c)	0.00 (d)
N ₂ O	2.2E-04 lb/MMBtu (6)	0.00 (c)	0.00 (d)
CO ₂ e ^(g)	- -	14.04	61.50

Calculations:

LB/MMCF

- (a) Hourly emissions (lb/hr) = Emission Factor (lb/MMcf) * Fuel Use (MMCF/yr) / Annual hours of operation (hr/yr)
- (b) Annual emissions (ton/yr) = Emission Factor (lb/MMcf) * Fuel Use (MMCF/yr) * (1ton/2000lbs)

LB/MMBTU

- (c) Hourly Emissions (lb/hr) = Emission Factor (lb/MMBTU) * Fuel Use (MMBTU/hr)
- (d) Annual Emissions (ton/yr) = Emission Factor (lb/MMBTU) * Fuel Use (MMBTU/hr) * Hours of operation (hr/yr) * (1ton/2000lbs)

SO₂

- (e) Hourly Emissions SO₂ Cacluation (lb/hr) = (20 grain S/100ft³) * Fuel throughput (MMft³/yr) * (1000000ft³/MMft³) / annual hours of operation (hr/yr) * (1lb/7000 grains) * (lbmol S/32.06 lb S) * (lbmol SO₂/ lbmol S) *(64.07 lb SO₂/lbmol SO₂)
- (f) Annual Emissions SO₂ Cacluation (ton/yr) = (0.25 grain S/100ft³) * Fuel throughput (MMft³/yr) * (1000000ft³/MMft³) * (1lb/7000 grains) * (lbmol S/32.06 lb S) * (lbmol SO₂/ lbmol S) *(64.07 lb SO₂/lbmol SO₂) * (1ton/2000lbs)

EMISSION INPUTS TABLE	
Fuel Use (MMBTU/hr) =	0.12
Number of Units =	1
Hours of Operation (hr/yr) =	8760
MMBTU/MMcf =	1020
PTE Fuel Use (MMft ³ /yr) =	1.03

(g) CO₂ equivalent = [(CO₂ emissions)*(GWP_{CO2})]+[(CH₄ emissions)*(GWP_{CH4})]+[(N₂O emissions)*(GWP_{N2O})]
 Global Warming Potential (GWP)

CO ₂	1	(7)
CH ₄	25	(7)
N ₂ O	298	(7)

Notes:

- (1) AP-42, Chapter 1.4, Table 1.4-2. Emission Factors For Criteria Pollutants and Greenhouse Gases From Natural Gas Combustion, July 1998.
- (2) AP-42, Chapter 1.4, Table 1.4-1. Emission Factors For Nitrogen Oxides (Nox) and Carbon Monoxide(CO) From Natural Gas Combustion, July 1998.
- (3) AP-42, Chapter 1.4, Table 1.4-4. Emission Factors For Metals From Natural Gas Combustion, July 1998.
- (4) AP-42, Chapter 1.4, Table 1.4-3. Emission Factors for Speciated Organic Compounds from Natural Gas Combustion, July 1998.
- (5) AP-42, Chapter 5.3, Section 5.3.1
- (6) Emission factors are from 40 CFR 98, Subpart C, Table C-1 and C-2.
- (7) Global Warming Potentials obtained from 40 CFR 98, Subpart A, Table A-1

ATTACHMENT O

**MONITORING/RECORDKEEPING/REPORTING/
TESTING PLANS**

**Rule 13 and Title V Significant Modification Permit
Application**

**Coco Compressor Station, Facility ID No. 039-00049
Elkview, West Virginia**

Columbia Gas Transmission, LLC
1700 MacCorkle Avenue, SE
Charleston, West Virginia

July 2016

MONITORING, RECORD KEEPING, REPORTING, TESTING PLANS

Monitoring

Columbia will monitor visible emissions (VEs) to assure compliance with 45CSR2 – 10% requirement.

Recordkeeping

Columbia will retain records of the following for five (5) years, two (2) years on site, certified by a company official at such time that the DAQ may request said records

- Tune up records associated with 40 CFR 63, subpart DDDDD

Reporting

Columbia will submit all semiannual and annual compliance reports in accordance with the facility's Title V permit.

Testing

Columbia will demonstrate compliance with the MACT subpart DDDDD by conducting tune up testing on the process heater every 5 years. Additionally, if VEs are observed and not corrected within 24 hours a Method 9 test shall be conducted to assess compliance with the 10% standard of 45CSR2.

ATTACHMENT P

PUBLIC NOTICE

**Rule 13 and Title V Significant Modification Permit
Application**

**Coco Compressor Station, Facility ID No. 039-00049
Elkview, West Virginia**

Columbia Gas Transmission, LLC
1700 MacCorkle Avenue, SE
Charleston, West Virginia

July 2016

AIR QUALITY PERMIT NOTICE
Notice of Application

Notice is given that Columbia Gas Transmission, LLC. has applied to the West Virginia Department of Environmental Protection, Division of Air Quality, for a Modification Permit at the Coco Compressor Station. The location's latitude and longitude coordinates are: 38.401767 and -81.417757

The applicant estimates the increased potential to discharge the following Regulated Air Pollutants:

Pollutant	Tons/yr
NO _x	0.05
CO	0.04

Startup of operation is planned to begin on or about November, 2016, upon approval. Written comments will be received by the West Virginia Department of Environmental Protection, Division of Air Quality, 601 57th Street, SE, Charleston, WV 25304, for at least 30 calendar days from the date of publication of this notice.

Any questions regarding this permit application should be directed to the DAQ at (304) 926-0499, extension 1250, during normal business hours.

Dated this the 28 day of July, 2016.

By: Columbia Gas Transmission, LLC.
Tim Sweeney
Manager of Operations
1700 MacCorkle Avenue, SE
Charleston, WV 25314

ATTACHMENT Q
BUSINESS CONFIDENTIAL CLAIMS
NOT APPLICABLE

**Rule 13 and Title V Significant Modification Permit
Application**

**Coco Compressor Station, Facility ID No. 039-00049
Elkview, West Virginia**

Columbia Gas Transmission, LLC
1700 MacCorkle Avenue, SE
Charleston, West Virginia

July 2016

ATTACHMENT R

AUTHORITY FORMS

**Rule 13 and Title V Significant Modification Permit
Application**

**Coco Compressor Station, Facility ID No. 039-00049
Elkview, West Virginia**

Columbia Gas Transmission, LLC
1700 MacCorkle Avenue, SE
Charleston, West Virginia

July 2016



west virginia department of environmental protection

Division of Air Quality
601 57th Street SE
Charleston, WV 25304
Phone: 304 926 0475 • FAX: 304 926 0479

Earl Ray Tomblin, Governor
Randy C. Huffman, Cabinet Secretary
www.dep.wv.gov

July 27, 2011

CERTIFIED MAIL
91 7108 2133 3936 1583 6144

Mr. Victor M. Gaglio
Senior Vice-President of Operations
Columbia Gas Transmission
1700 MacCorkle Avenue, S.E.
Charleston, WV 25314

Re: Delegation of Authority Confirmation

Dear Mr. Gaglio:

Based on your letter, dated July 22, 2011, the Division of Air Quality (DAQ) hereby acknowledges the titles of Regional Director and Manager of Operations as delegated authorized representatives for the facilities listed below.

Company Name	Facility	Facility ID No.
Columbia Gas Transmission, LLC	Horse Creek Station	005-00039
Columbia Gas Transmission, LLC	Frametown Station	007-00100
Columbia Gas Transmission, LLC	Glenville Station	021-00001
Columbia Gas Transmission, LLC	Lost River Station	031-00002
Columbia Gas Transmission, LLC	Hardy Station	031-00031
Columbia Gas Transmission, LLC	Ripley Station	035-00003
Columbia Gas Transmission, LLC	Lanham Station	039-00047
Columbia Gas Transmission, LLC	Clendenin Station	039-00048
Columbia Gas Transmission, LLC	Coco Station	039-00049
Columbia Gas Transmission Corporation	Walgrove Station	039-00074
Columbia Gas Transmission Corporation	Cobb Station	039-00100
Columbia Gas Transmission Corporation	Hunt Station	039-00101
Columbia Gas Transmission Corporation	Charleston Office	039-00154
Columbia Gas Transmission Corporation	Clendenin Office	039-00546
Columbia Gas Transmission, LLC	Hubball Station	043-00002
Columbia Gas Transmission Corporation	Nye Station	043-00011
Columbia Gas Transmission, LLC	Famlin Station	043-00027
Columbia Gas Transmission, LLC	Majorsville Station	051-00025
Columbia Gas Transmission, LLC	Adaline Station	051-00100

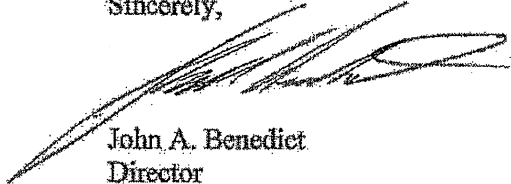
Promoting a healthy environment.

Letter to Victor M. Gaglio
July 27, 2011
Page 2

Company Name	Facility	Facility ID No.
Columbia Gas Transmission, LLC	Seneca Station	071-00008
Columbia Gas Transmission, LLC	Terra Alta Station	077-00017
Columbia Gas Transmission, LLC	Glady Station	083-00017
Columbia Gas Transmission, LLC	Files Creek Station	083-00019
Columbia Gas Transmission, LLC	Flat Top Station	089-00004
Columbia Gas Transmission, LLC	Cleveland Station	097-00009
Columbia Gas Transmission, LLC	Ceredo Station	099-00013
Columbia Gas Transmission, LLC	Kenova Station	099-00014
Columbia Gas Transmission, LLC	Smithfield Station	103-00010
Columbia Gas Transmission, LLC	Rockport Station	107-00100
Columbia Gas Transmission, LLC	Huff Creek Station	109-00021

Should you have any questions or comments, please feel free to contact our office at the address or telephone number listed above.

Sincerely,



John A. Benedict
Director

JAB/sch

c: ~~Joe Morgan~~
Megan Murphy
File Room

ATTACHMENT S

TITLE V PERMIT REVISION INFORMATION

Rule 13 and Title V Significant Modification Permit Application

**Coco Compressor Station, Facility ID No. 039-00049
Elkview, West Virginia**

Columbia Gas Transmission, LLC
1700 MacCorkle Avenue, SE
Charleston, West Virginia

July 2016

Attachment S
Title V Permit Revision Information

1. New Applicable Requirements Summary	
Mark all applicable requirements associated with the changes involved with this permit revision:	
<input checked="" type="checkbox"/> SIP	<input type="checkbox"/> FIP
<input checked="" type="checkbox"/> Minor source NSR (45CSR13)	<input type="checkbox"/> PSD (45CSR14)
<input type="checkbox"/> NESHAP (45CSR15)	<input type="checkbox"/> Nonattainment NSR (45CSR19)
<input type="checkbox"/> Section 111 NSPS (Subpart(s) _____)	<input checked="" type="checkbox"/> Section 112(d) MACT standards (Subpart(s) <u>DDDDD</u>)
<input type="checkbox"/> Section 112(g) Case-by-case MACT	<input type="checkbox"/> 112(r) RMP
<input type="checkbox"/> Section 112(i) Early reduction of HAP	<input type="checkbox"/> Consumer/commercial prod. reqts., section 183(e)
<input type="checkbox"/> Section 129 Standards/Reqts.	<input type="checkbox"/> Stratospheric ozone (Title VI)
<input type="checkbox"/> Tank vessel reqt., section 183(f)	<input type="checkbox"/> Emissions cap 45CSR§30-2.6.1
<input type="checkbox"/> NAAQS, increments or visibility (temp. sources)	<input type="checkbox"/> 45CSR27 State enforceable only rule
<input type="checkbox"/> 45CSR4 State enforceable only rule	<input type="checkbox"/> Acid Rain (Title IV, 45CSR33)
<input type="checkbox"/> Emissions Trading and Banking (45CSR28)	<input type="checkbox"/> Compliance Assurance Monitoring (40CFR64) ⁽¹⁾
<input type="checkbox"/> NO _x Budget Trading Program Non-EGUs (45CSR1)	<input type="checkbox"/> NO _x Budget Trading Program EGUs (45CSR26)
<p>⁽¹⁾ If this box is checked, please include Compliance Assurance Monitoring (CAM) Form(s) for each Pollutants Specific Emission Unit (PSEU) (See Attachment H to Title V Application). If this box is not checked, please explain why Compliance Assurance Monitoring is not applicable:</p> <p>The proposed changes are not subject to Compliance Assurance Monitoring (CAM) because there are no add on controls at this facility; therefore in accordance with 40CFR§64.2(b)(1), CAM is not applicable.</p>	

2. Non Applicability Determinations

List all requirements, which the source has determined not applicable to this permit revision and for which a permit shield is requested. The listing shall also include the rule citation and a rationale for the determination.

See Regulatory Discussion – Attachment D

Permit Shield Requested (*not applicable to Minor Modifications*)

All of the required forms and additional information can be found under the Permitting Section of DAQ's website, or requested by phone.

3. Suggested Title V Draft Permit Language

Are there any changes involved with this Title V Permit revision outside of the scope of the NSR Permit revision? Yes No If Yes, describe the changes below.

Also, please provide **Suggested Title V Draft Permit language** for the proposed Title V Permit revision (including all applicable requirements associated with the permit revision and any associated monitoring /recordkeeping/ reporting requirements), OR attach a marked up pages of current Title V Permit. Please include appropriate citations (Permit or Consent Order number, condition number and/or rule citation (e.g. 45CSR§7-4.1)) for those requirements being added / revised.

Please see Title V renewal application for suggested Title V Draft Permit language. The renewal application will follow close behind this proposed Rule 13.

4. Active NSR Permits/Permit Determinations/Consent Orders Associated With This Permit Revision

Permit or Consent Order Number	Date of Issuance	Permit/Consent Order Condition Number
R30-03900049-2012	11/14/2012	
R13-2087E	06/16/2015	

5. Inactive NSR Permits/Obsolete Permit or Consent Orders Conditions Associated With This Revision

Permit or Consent Order Number	Date of Issuance	Permit/Consent Order Condition Number
	/ /	

6. Change in Potential Emissions

Pollutant	Change in Potential Emissions (+ or -), TPY
NO _x	0.05
CO	0.04
VOC	0.00
SO ₂	0.00
PM ₁₀	0.00
PM _{2.5}	0.00
Total HAPs	0.00

All of the required forms and additional information can be found under the Permitting Section of DAQ's website, or requested by phone.

7. Certification For Use Of Minor Modification Procedures (Required Only for Minor Modification Requests)

Note: This certification must be signed by a responsible official. Applications without a signed certification will be returned as incomplete. The criteria for allowing the use of Minor Modification Procedures are as follows:

- i. Proposed changes do not violate any applicable requirement;
- ii. Proposed changes do not involve significant changes to existing monitoring, reporting, or recordkeeping requirements in the permit;
- iii. Proposed changes do not require or change a case-by-case determination of an emission limitation or other standard, or a source-specific determination for temporary sources of ambient air quality impacts, or a visibility increment analysis;
- iv. Proposed changes do not seek to establish or change a permit term or condition for which there is no underlying applicable requirement and which permit or condition has been used to avoid an applicable requirement to which the source would otherwise be subject (synthetic minor). Such terms and conditions include, but are not limited to a federally enforceable emissions cap used to avoid classification as a modification under any provision of Title I or any alternative emissions limit approved pursuant to regulations promulgated under § 112(j)(5) of the Clean Air Act;
- v. Proposed changes do not involve preconstruction review under Title I of the Clean Air Act or 45CSR14 and 45CSR19;
- vi. Proposed changes are not required under any rule of the Director to be processed as a significant modification;

Notwithstanding subparagraph 45CSR§30-6.5.a.1.A. (items i through vi above), minor permit modification procedures may be used for permit modifications involving the use of economic incentives, marketable permits, emissions trading, and other similar approaches, to the extent that such minor permit modification procedures are explicitly provided for in rules of the Director which are approved by the U.S. EPA as a part of the State Implementation Plan under the Clean Air Act, or which may be otherwise provided for in the Title V operating permit issued under 45CSR30.

Pursuant to 45CSR§30-6.5.a.2.C., the proposed modification contained herein meets the criteria for use of Minor permit modification procedures as set forth in Section 45CSR§30-6.5.a.1.A. The use of Minor permit modification procedures are hereby requested for processing of this application.

(Signed): _____	Date:	____/____/____ <i>(Please use blue ink)</i>
Named (typed): _____	Title:	_____

Note: Please check if the following included (if applicable):

<input type="checkbox"/>	Compliance Assurance Monitoring Form(s)
<input type="checkbox"/>	Suggested Title V Draft Permit Language

All of the required forms and additional information can be found under the Permitting Section of DAQ's website, or requested by phone.

APPLICATION FEE

Rule 13 and Title V Significant Modification Permit Application

**Coco Compressor Station, Facility ID No. 039-00049
Elkview, West Virginia**

Columbia Gas Transmission, LLC
1700 MacCorkle Avenue, SE
Charleston, West Virginia

July 2016