



December 22, 2015

BY: U.S. CERTIFIED MAIL, RETURN RECEIPT REQUESTED

9590 9403 0977 5223 8996 91

William F. Durham
Director, Division of Air Quality
WVDEP
601 57th Street
Charleston, WV 25304

**RE: Dominion Transmission, Inc. – Pepper Compressor Station
R13 Class I Administrative Update and
Title V Administrative Amendment Application**

Dear Mr. Durham:

Pursuant to Condition 2.7 of Permit R13-2866A, Dominion Transmission, Inc. (Dominion) is submitting the attached R13 and Title V Application. Enclosed are one complete original and two (2) CD copies of a R13 application to amend the dehydration unit reboiler rated capacity at Dominion's Pepper Compressor Station in Barbour County, West Virginia.

In the R13 and TV permit modification application dated November 5, 2010, Dominion provided approximate nominal vendor design rated capacity for the reboiler (RBV1). The 2010 application included the following approximate design capacities for RBV1: 0.994 MMBtu/hr (Attachment L and N), 0.996 MMBtu/hr (Attachment G), and 1.0 MMBtu/hr (Attachment I). The design capacity listed in the issued R13 and Title V Permits is the nominal 1.0 MMBtu/Hr. Dominion would like to amend the permitted rated capacity to match the nameplate maximum rated capacity of 1.155 MMBtu/hr.

Although the maximum rated capacity is increasing, the emissions from the reboiler (RBV1) will remain the same as presented in the 2010 R13 Permit application and required by the current R13 and Title V Permits. The estimated potential emissions have not increased because the potential emissions were based of the vendor maximum fuel consumption of 1,563 cf/hr, which has not changed.

If you require additional information, please contact Rebekah Remick at (804) 273-3536 or via email at Rebekah.J.Remick@dom.com.

Sincerely,

A handwritten signature in blue ink that reads "Amanda Tornabene".

Amanda Tornabene
Director, Gas Environmental Services

Enclosures

R13 Class I Administrative Update Application

**DOMINION TRANSMISSION, INC.
PEPPER COMPRESSOR STATION**

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Application for Permit to Construct, Modify, Relocate or Administratively Update a Stationary Source of Air Pollutants

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	<ul style="list-style-type: none">• RBV1 – Glycol Dehydrator Reboiler Vent
Attachment N.	Supporting Emissions Calculations
Attachment S.	Title V Permit Revision Information

**Note – There are no Attachments C, H, K, M, O, P, Q, and R for this permit application



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): Dominion Transmission, Inc.		2. Federal Employer ID No. (FEIN): 550629203	
3. Name of facility (if different from above): Pepper 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: 925 White Oaks Blvd. Bridgeport, WV 26330		5B. Facility's present physical address: County Route 7 Philippi, WV 26416	
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: Dominion Resources Inc.			
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: Own – 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		10. North American Industry Classification System (NAICS) code for the facility: 486210	
11A. DAQ Plant ID No. (for existing facilities only): 001-00100		11B. List all current 45CSR13 and 45CSR30 (Title V) permit numbers associated with this process (for existing facilities only): R30-00100100-2015 R13-2866A	

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

12A.		
<ul style="list-style-type: none"> 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. Interstate 79 North to the Nutterfork exit. Turn right off the exit ramp onto Rt 20. Continue approximately 10 miles then turn left onto Stewarts Run (CR18). Stay on Stewarts Run until turning left onto Brushy Fork Road (CR-7). Stay on Brushy Fork for 1 mile, station will be on right. 		
12.B. New site address (if applicable):	12C. Nearest city or town: Philippi	12D. County: Barbour
12.E. UTM Northing (KM): 4337.79	12F. UTM Easting (KM): 574.20	12G. UTM Zone: 17
13. Briefly describe the proposed change(s) at the facility: Revising Glycol Dehydrator Reboiler Vent (RBV1) Design Capacity to reflect the maximum capacity of 1.155 MMBtu/hr.		
14A. Provide the date of anticipated installation or change: asap <ul style="list-style-type: none"> If this is an After-The-Fact permit application, provide the date upon which the proposed change did happen: / / 		14B. Date of anticipated Start-Up if a permit is granted: N/A
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).		
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		
16. Is demolition or physical renovation at an existing facility involved? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO		
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.		
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 .		
Section II. Additional attachments and supporting documents.		
19. Include a check payable to WVDEP – Division of Air Quality with the appropriate application fee (per 45CSR22 and 45CSR13).		
20. Include a Table of Contents as the first page of your application package.		
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) . <ul style="list-style-type: none"> Indicate the location of the nearest occupied structure (e.g. church, school, business, residence). 		
22. Provide a Detailed Process Flow Diagram(s) showing each proposed or modified emissions unit, emission point and control device as Attachment F .		
23. Provide a Process Description as Attachment G . <ul style="list-style-type: none"> Also describe and quantify to the extent possible all changes made to the facility since the last permit review (if applicable). 		
All of the required forms and additional information can be found under the Permitting Section of DAQ's website, or requested by phone.		
24. Provide Material Safety Data Sheets (MSDS) for all materials processed, used or produced as Attachment H . <ul style="list-style-type: none"> 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 (Reboiler)	
<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 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: 12-11-15
(Please use blue ink) (Please use blue ink)

35B. Printed name of signee: Brian Sheppard		35C. Title: Vice President, Pipeline Operations
35D. E-mail: Brian.C.Sheppard@dom.com	36E. Phone: 681-842-3733	36F. FAX: 681-842-3323
36A. Printed name of contact person (if different from above): Rebekah Remick		36B. Title: Environmental Consultant
36C. E-mail: Rebekah.J.Remick@dom.com	36D. Phone: 804-273-3536	36E. FAX: 804-273-2964

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 type="checkbox"/> Attachment O: Monitoring/Recordkeeping/Reporting/Testing Plans
<input checked="" type="checkbox"/> Attachment F: Detailed Process Flow Diagram(s)	<input 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 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 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.

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

Attachment A

Current Business Certificate

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

ISSUED TO:
**DOMINION TRANSMISSION INC
445 W MAIN ST
CLARKSBURG, WV 26301-2843**

BUSINESS REGISTRATION ACCOUNT NUMBER: 1038-3470

This certificate is issued on: 06/8/2011

*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.*

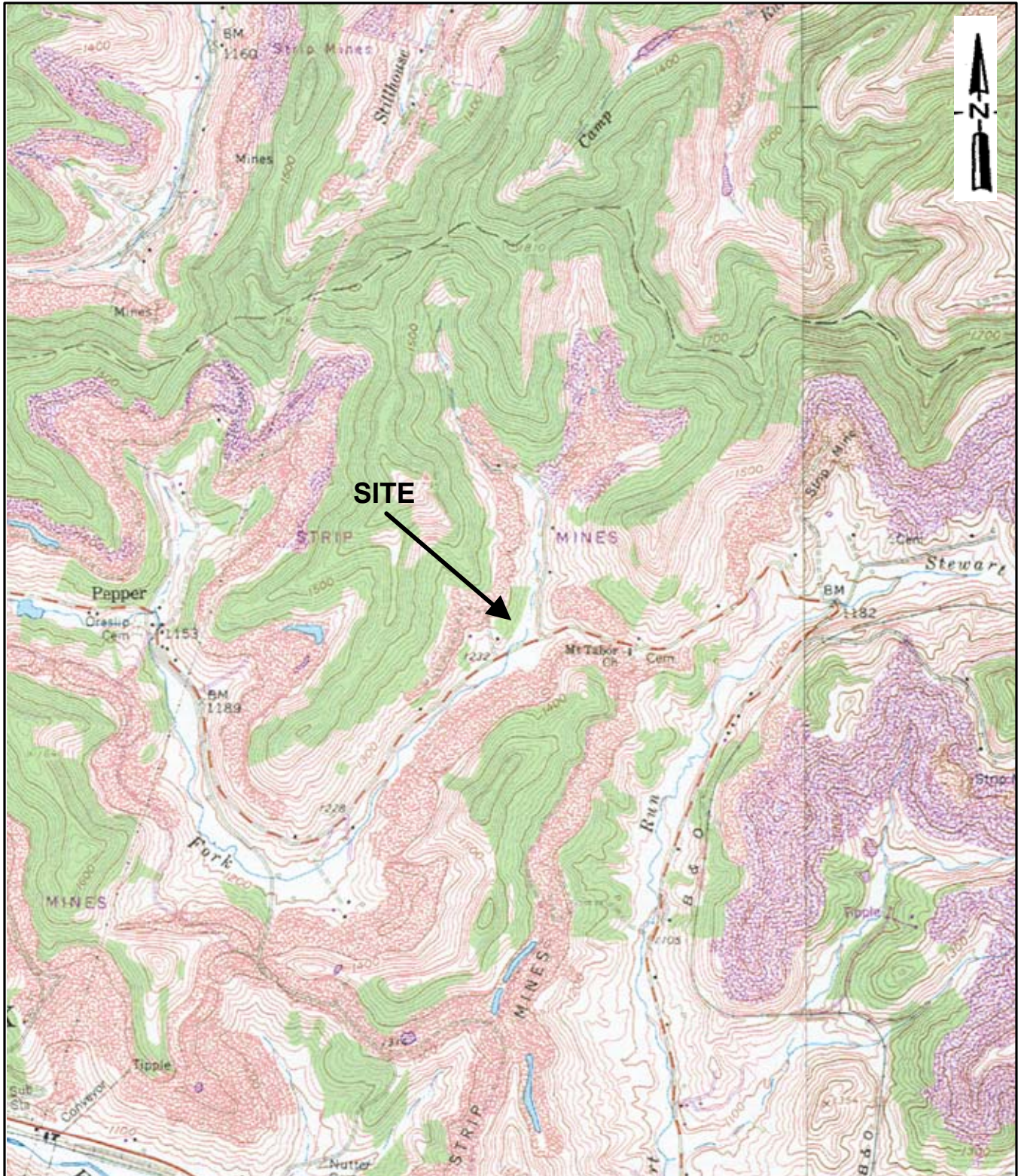
This certificate is not transferrable and must be displayed at the location for which issued.
This certificate shall be permanent until cessation of the business for which the certificate of registration
was granted or until it is suspended, revoked or cancelled by the Tax Commissioner.

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

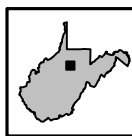
Map



0 2000 4000



APPROXIMATE SCALE IN FEET



BASE MAP SOURCE: Browton, WV (1961, Photorevised 1976) 7.5 Minute Series Topographic Map.



FIGURE 1
SITE LOCATION MAP
PEPPER COMPRESSOR STATION
BARBOUR COUNTY, WEST VIRGINIA



Attachment D

Regulatory Discussion

REGULATORY DISCUSSION

This section provides an air quality regulatory review of the proposed Class I Administrative Update to Pepper Compressor Station. To determine the regulations of concern, a regulatory applicability analysis has been conducted. Regulations that require an applicability determination include:

- Classification of Ambient Air Quality (40 CFR 81)
- Prevention of Significant Deterioration (PSD) Regulations (40 CFR 52.21)
- Non-Attainment New Source Review (NSR) Regulations (40 CFR 52.24)
- West Virginia Minor Source Permitting (WV Regulation 13)
- New Source Performance Standards (40 CFR 60)
- National Emissions Standards for Hazardous Air Pollutants (40 CFR 63)

Classification of Air Quality

Pepper Compressor Station is located on a property on County Route 7, Philippi, in Barbour County, West Virginia. The area is classified as attainment with respect to the National Ambient Air Quality Standards (NAAQS) for all criteria pollutants.

Prevention of Significant Deterioration (PSD)

The WVDEP is delegated the authority to implement federal air quality requirements. West Virginia's PSD regulations are found in 45 CSR 14. The PSD program is a new source review process used to ensure that a new source will not cause a significant deterioration of local ambient air quality. PSD applies only to "major" new sources or "major" modifications to an existing source located in attainment areas. A "major" stationary source is defined as one of the 28 source categories identified in 40 CFR 52.21, which has a potential to emit of 100 tons or more per year of any regulated pollutant, OR any other stationary source which has the potential to emit 250 tons or more per year of a regulated pollutant. Pepper Compressor Station is not one of the 28 categories identified in 40 CFR 52.21 and has potential emissions below 250 tons per year of all regulated pollutants. Therefore, is not classified as a major source and the PSD regulations do not apply.

Non-Attainment New Source Review

As identified above, Barbour County, West Virginia, is currently classified as attainment with respect to the NAAQS for all criteria pollutants. Therefore, the nonattainment regulations are not applicable.

West Virginia Minor Source Permitting (R13)

The requirement for new or modified sources to make application to the WVDEP is provided in 45 CSR 13 (Permits for Construction, Modification, Relocation, and Operation of Stationary Sources of Air Pollutants) – Regulation 13. Regulation 13 is applicable to new sources or modifications that result in an emissions increase of:

- 6 lbs/hr and 10 tons/yr of any regulated pollutant, or
- 144 lbs/day of any regulated pollutant, OR
- 2 lbs/hr or 5 tons/yr of HAPs

The correction of the glycol dehydrator reboiler design capacity is considered a Class I Administrative Update in accordance with R13 regulations since it is a correction of a typographical error as stated in 45-13-4.2.a.1. No emission changes are associated with this permit action as they are already accounted for in the Pepper Compressor Station R13 permit.

New Source Performance Standards (NSPS) Subpart Dc
Small Industrial-Commercial-Institutional Steam Generating Units

40 CFR 60 Subpart Dc applies to steam generating units of various sizes, all greater than 10 MMBtu/hr. The glycol dehydrator reboiler is rated at 1.155 MMBtu/hr; therefore, the requirements of NSPS Subpart Dc does not apply.

National Emission Standards for Hazardous Air Pollutants (NESHAP) Subpart JJJJJ
Industrial, Commercial, and Institutional Boilers.

According to 40 C.F.R. §63.11195(e), a gas-fired boiler as defined in §63.11237 is not subject to this subpart and to any requirements of this subpart. The definition states that a “*Gas-fired boiler* includes any boiler that burns gaseous fuels not combined with any solid fuels, burns liquid fuel only during periods of gas curtailment, gas supply emergencies, or periodic testing on liquid fuel. Periodic testing of liquid fuel shall not exceed a combined total of 48 hours during any calendar year.” The gas-fired dehydration unit reboiler (RBR01) meets the definition of a “process heater” §63.11237. Only “boilers” are subject to this subpart §63.11193; therefore, the reboiler (RBR01) is not subject to this subpart.

National Emission Standards for Hazardous Air Pollutants (NESHAP) Subpart DDDDD
Industrial, Commercial, and Institutional Boilers and Process Heaters.

This subpart does not apply to the facility because the facility is not a major source of HAPs.

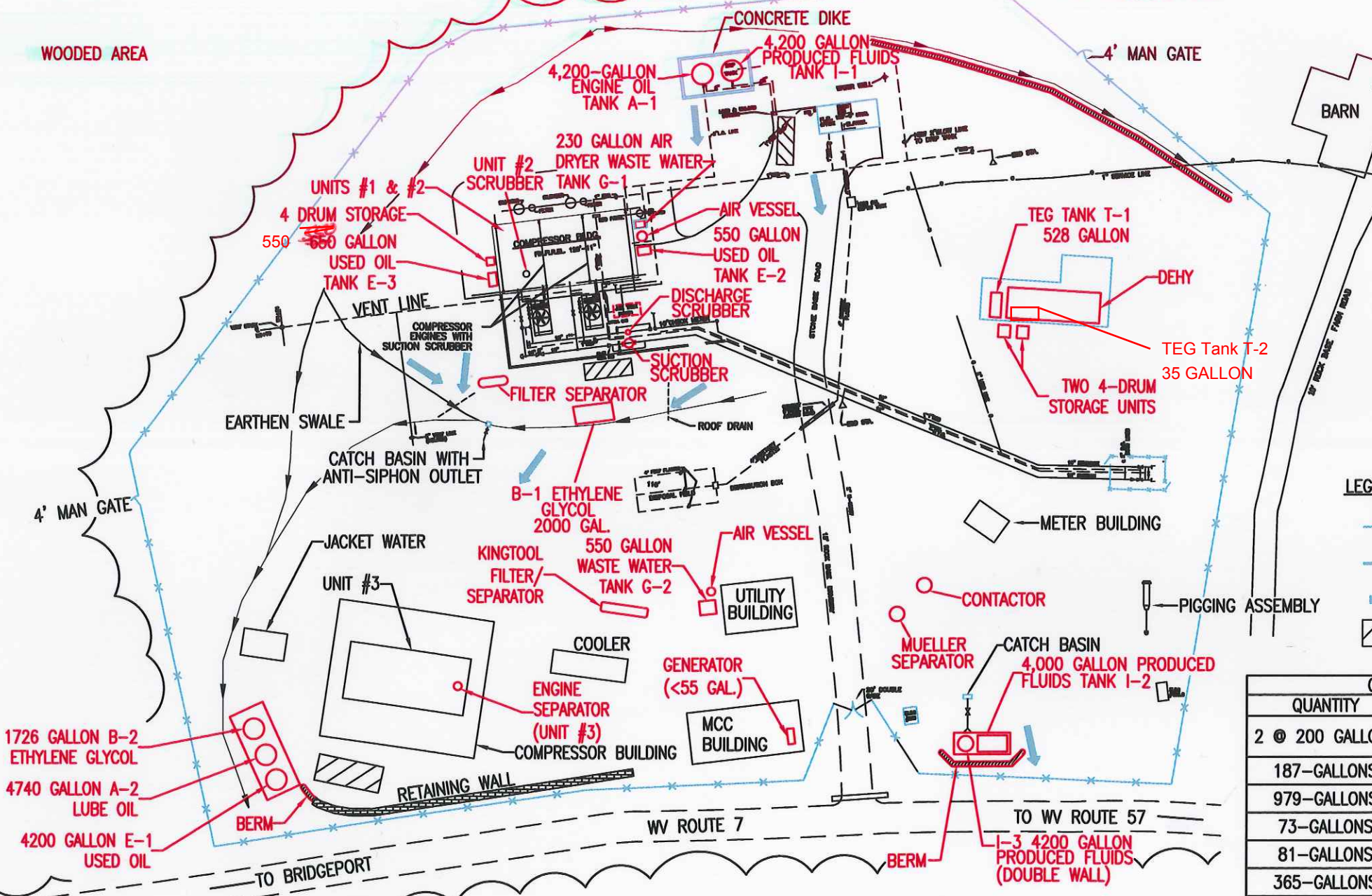
Attachment E

Plot Plan



WOODED AREA

FARM LAND

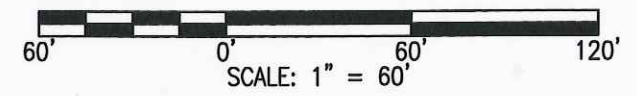


NOTE: VARIOUS DRUMS ARE KEPT ON SITE AND THE NUMBER, TYPE, AND LOCATION WHERE KEPT CAN VARY DEPENDENT ON OPERATIONAL NEEDS.

LEGEND:

- ABOVEGROUND OIL CONTAINING PIPE
- UNDERGROUND OIL CONTAINING PIPE
- FLOW DIRECTION
- TRUCK LOADING/UNLOADING

OIL CONTAINING MECHANICAL EQUIPMENT		
QUANTITY	MATERIAL	LOCATION
2 @ 200 GALLONS	LUBE OIL	COMP. ENGINE CRANK CASES UNITS #1 & #2
187-GALLONS	LUBE OIL	CATERPILLAR ENGINE UNIT #3
979-GALLONS	PRODUCED FLUIDS	SUCTION SCRUBBER
73-GALLONS	PRODUCED FLUIDS	DISCHARGE SCRUBBER
81-GALLONS	PRODUCED FLUIDS	SMALL FILTER SEPARATOR
365-GALLONS	PRODUCED FLUIDS	KINGTOOL FILTER SEPARATOR
809-GALLONS	PRODUCED FLUIDS	MUeller SEPARATOR
110-GALLONS	PRODUCED FLUIDS	UNIT #2 SCRUBBER
357-GALLONS	PRODUCED FLUIDS	UNIT #3 ENG. SEPARATOR



SYM.	DATE	BY	REVISION DESCRIPTION	PRJ/TSK	APP.	SCALE	DATE
5	10/23/14	TBB	ADDED TWO TANKS & AN AIR VESSEL PER TIM JACKSON			1"=60'	10/20/09
4	10/15/14	TBB	VERIFIED SCALE, FIXED NORTH ARROW, ADDED ADJACENT PROPERTIES, & ADDED BAR SCALE			CHECKED	
3	07/03/14	TBB	REVISED PER TIM JACKSON MARKUPS			APP. FOR BID	
2	04/02/13	TBB	REVISED PER TIM JACKSON MARKUPS			APP. FOR CONST.	
1	01/30/13	TBB	TRANSFERRED TO DOMINION BORDER & ADDED MARKUPS PER TIM JACKSON			TOWN: PEPPER, WV	COUNTY: BARBOUR

Dominion Transmission, Inc.
445 West Main St. Clarksburg, West Virginia 26301 / Phone: (304) 623-8000

FOR: **PEPPER COMPRESSOR STATION**

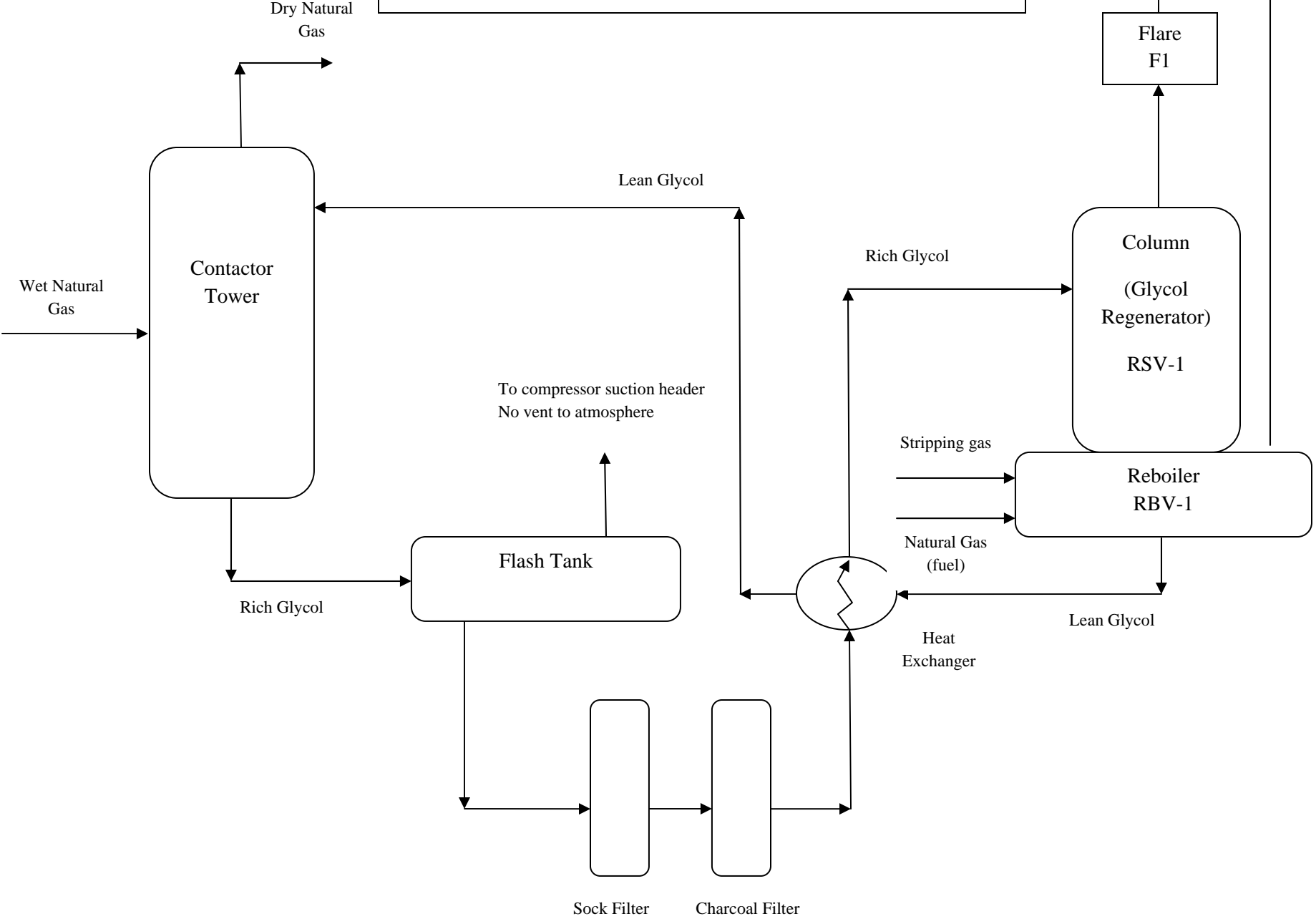
TITLE: **ENVIRONMENTAL EMERGENCY SITE PLAN**

DIR:	GROUP	DWG. NO.	REV.
FILE:	PRJ/TSK:	PD	X1397 5

Attachment F

Detailed Process Flow Diagram

Pepper Compressor Station
Figure 1 – Process Flow Diagram
Dehydration System



Attachment G

Process Description

PROCESS DESCRIPTION

Pepper Compressor Station is a compressor facility that services a natural gas pipeline system. The compressor engines (EN01 - EN03) at the facility receive natural gas flowing through a valve on the pipeline and recompresses the natural gas in order to further transport the natural gas through the pipeline system. Prior to exiting the facility through the pipeline, the compressed natural gas is processed by the dehydration unit (RSV1). The dehydration unit removes moisture and impurities from the gas stream. Emergency backup power is supplied by emergency generator (EN05).

The dehydration process begins with the compressed natural gas entering the unit and then being passed through a triethylene glycol dehydration system consisting of a contactor bed, a reboiler (RBV1), and associated equipment. As a result of this process, the natural gas is stripped of moisture and impurities, along with a small amount of hydrocarbons. The wet gas enters the contactor where moisture and some hydrocarbons are absorbed into the lean glycol. The glycol, which has become rich with absorbed moisture and hydrocarbons, is regenerated in the still column (RSV1) using the heat generated from the natural gas-fired reboiler (RBV1) to liberate the moisture and hydrocarbon vapors. The regenerator vapors are vented to the enclosed flare (F1) to combust the hydrocarbons; thereby, reducing overall emissions and odor. The flare is permitted with a destruction efficiency of 98% for VOCs and volatile HAPs. The compressed, dehydrated gas then enters the pipeline.

Attachment I

Emissions Unit Table

Attachment J

Emission Points Data Summary Sheet

**Attachment J
EMISSION POINTS DATA SUMMARY SHEET**

Table 1: Emissions Data

Emission Point ID No. <i>(Must match Emission Units Table & Plot Plan)</i>	Emission Point Type ¹	Emission Unit Vented Through This Point <i>(Must match Emission Units Table & Plot Plan)</i>		Air Pollution Control Device <i>(Must match Emission Units Table & Plot Plan)</i>		Vent Time for Emission Unit <i>(chemical processes only)</i>		All Regulated Pollutants - Chemical Name/CAS ³ <i>(Speciate VOCs & HAPS)</i>	Maximum Potential Uncontrolled Emissions ⁴		Maximum Potential Controlled Emissions ⁵		Emission Form or Phase <i>(At exit conditions, Solid, Liquid or Gas/Vapor)</i>	Est. Method Used ⁶	Emission Concentration ⁷ <i>(ppmv or mg/m⁴)</i>
		ID No.	Source	ID No.	Device Type	Short Term ²	Max (hr/yr)		lb/hr	ton/yr	lb/hr*	ton/yr*			
RBV1	Vertical	RBV1	Glycol Dehydrator Reboiler Vent	-	-	-	-	PM Filterable	0.0030	0.0130	0.0030	0.0130	Solid	AP-42	
								PM-10 (Filterable)	0.0030	0.0130	0.0030	0.0130	Solid	AP-42	
								PM-2.5 (Filterable)	0.0030	0.0130	0.0030	0.0130	Solid	AP-42	
								PM Condensable	0.0089	0.0390	0.0089	0.0390	Solid	AP-42	
								SO2	0.0009	0.0041	0.0009	0.0041	Gas/Vapor	AP-42	
								NOx	0.2466	1.0800	0.2466	1.0800	Gas/Vapor	AP-42	
								CO	0.1507	0.6600	0.1507	0.6600	Gas/Vapor	AP-42	
								VOC	0.1164	0.5100	0.1164	0.5100	Gas/Vapor	AP-42	
								Total HAP	0.0029	0.0129	0.0029	0.0129	Gas/Vapor	AP-42	

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 L

Emissions Unit Data Sheet

Attachment L
Emission Unit Data Sheet
 (INDIRECT HEAT EXCHANGER)

Control Device ID No. (must match List Form): RBV1

Equipment Information

1. Manufacturer: Enginerring Technology Inc (ETI)	2. Model No. Serial No.
3. Number of units: One	4. Use: Heat dry gas that will be used for the Glycol Dehydration Unit
5. Rated Boiler Horsepower: hp	6. Boiler Serial No.:
7. Date constructed: 2011	8. Date of last modification and explain: NA
9. Maximum design heat input per unit: 1.155 $\times 10^6$ BTU/hr	10. Peak heat input per unit: $\times 10^6$ BTU/hr
11. Steam produced at maximum design output: NA 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 type="checkbox"/> Others, specify
15. Type of draft: <input type="checkbox"/> Forced <input type="checkbox"/> Induced	16. Percent of ash retained in furnace: %
17. Will flyash be reinjected? <input type="checkbox"/> Yes <input type="checkbox"/> No	18. Percent of carbon in flyash: %

Stack or Vent Data

19. Inside diameter or dimensions: 1 1/3 ft.	20. Gas exit temperature: 900-950 °F
21. Height: 18 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: 720 ft ³ /min	
24. Estimated percent of moisture: %	

Fuel Requirements

25.	Type	Fuel Oil No.	Natural Gas	Gas (other, specify)	Coal, Type:	Other:
	Quantity (at Design Output)	gph@60°F	1562.5 ft ³ /hr	ft ³ /hr	TPH	
	Annually	x10 ³ gal	13.72 x10 ⁶ ft ³ /hr	x10 ⁶ ft ³ /hr	tons	
	Sulfur	Maximum: wt. % Average: wt. %	Negligible gr/100 ft ³	gr/100 ft ³	Maximum: wt. %	
	Ash (%)		NA		Maximum	
	BTU Content	BTU/Gal. Lbs/Gal. @60°F	1,000 BTU/ft ³	BTU/ft ³	BTU/lb	
	Source		Pipeline			
	Supplier		NA			
	Halogens (Yes/No)		No			
	List and Identify Metals		NA			
26. Gas burner mode of control: <input type="checkbox"/> Manual <input type="checkbox"/> Automatic hi-low <input type="checkbox"/> Automatic full modulation <input type="checkbox"/> Automatic on-off				27. Gas burner manufacture:		
				28. Oil burner manufacture:		
29. If fuel oil is used, how is it atomized? <input type="checkbox"/> Oil Pressure <input type="checkbox"/> Steam Pressure <input type="checkbox"/> Compressed Air <input type="checkbox"/> Rotary Cup <input type="checkbox"/> Other, specify						
30. Fuel oil preheated: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				31. If yes, indicate temperature: °F		
32. Specify the calculated theoretical air requirements for combustion of the fuel or mixture of fuels described above actual cubic feet (ACF) per unit of fuel: @ °F, PSIA, % moisture						
33. Emission rate at rated capacity:			lb/hr			
34. Percent excess air actually required for combustion of the fuel described:					%	
Coal Characteristics						
35. Seams:						
36. Proximate analysis (dry basis): % of Fixed Carbon: % of Sulfur: % of Moisture: % of Volatile Matter: % of Ash:						

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	0.151			
Hydrocarbons				
NO _x	0.247			
Pb	Negligible			
PM ₁₀	0.003			
SO ₂	0.0009			
VOCs	0.116			
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	0.151			
Hydrocarbons				
NO _x	0.247			
Pb	Negligible			
PM ₁₀	0.003			
SO ₂	0.0009			
VOCs	0.116			
Other (specify)				

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

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

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.

Refer to Regulatory Discussion in Attachment D for a description of all monitoring, testing, recordkeeping and reporting requirements.

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

Refer to Regulatory Discussion in Attachment D for a description of all monitoring, testing, recordkeeping and reporting requirements.

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

Refer to Regulatory Discussion in Attachment D for a description of all monitoring, testing, recordkeeping and reporting requirements.

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

Refer to Regulatory Discussion in Attachment D for a description of all monitoring, testing, recordkeeping and reporting requirements.

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

Manufacturer's Data Sheet Attached.



ENGINEERING
TECHNOLOGY
INCORPORATED

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eti@engtechinc.com

DOMINION TRANSMISSION, INC.

Dominion Transmission, Inc.
445 West Main Street
Clarksburg, WV 26301

Quotation No.: DO081010
Date: August 25, 2010
Your Ref: RFQ #RW10-25
Job Site: Pepper Station, Weston, WV
Appalachian Gateway Project

Attention: Mr. Randy Willett

Thank you for the opportunity to quote your equipment needs. Our base proposal includes an absorber constructed with bubble cap trays. The recon & contactor is designed with pneumatic controllers, an option is provided for an all electronic option with transmitters with I/P transducers, with all of the data going to the PLC. In addition, options are included for additions for flow transmitters in lieu of the base offering of flow indication and manual bypass. The final option offers VFD drives for the pump motor control, so that the pumps could be controlled with the VFD units rather than relying on the slip-stream bypass operation. The unit is designed to operate with stripping gas. The unit is designed to operate with a 400°F reboiler temperature with a conservative firetube flux. This excess reboiler capacity, by increasing the heat flux, will facilitate cold weather startups.

We have presented a price for a shielded ground flare system capable of handling one (1) TEG unit. This device does not tolerate free water. We have quoted a blow case separator with pneumatic controls as an option to handle this condition.

GAS DEHYDRATION SYSTEM

One (1) ETI TRIETHYLENE GLYCOL TYPE GAS DEHYDRATION SYSTEM, designed for:

Maximum Design Working Pressure	740 psig @ 100°F/692@180°F
Inlet Gas Rate	30/15 MMscfd
Inlet Gas Temperature	50°F - 120°F
Inlet Operating Pressure	350 / 500 psig
Gas Specific Gravity	0.6080
Inlet Gas Water Content	244.2 lb/MMscf @ T/P
Outlet Gas Water Content	7 lb/MMscf
Outlet Gas Dew Point	14.2°F
Lean Glycol Purity	99.5%
Reconcentration Temperature	380-400°F
Circulation Rate	20 gpm
Gallons Glycol/lb Water Removed	4.0

--and consisting of:

ITEM I - GLYCOL ABSORBER

One (1) ETI 48" ID x 34'-0" Glycol Absorber, ASME Code constructed and stamped for a maximum allowable working pressure of 740 psig @ 100°F. Vessel to be complete with:

VESSEL INTERNALS

- a) Eleven (11) bubble cap trays, carbon steel materials
- b) One (1) combo absorber mist extractor, 4" thick full area, 304 stainless steel knitted wire mesh, 304 stainless steel vane. One (1) integral scrubber 304 stainless steel knitted wire mesh pad.
- c) One (1) chimney tray with integral scrubber

VESSEL EXTERNALS

- a) Lifting lugs
- b) Exchanger mounting lugs
- c) Ladder and platform lugs (future)
- d) Skirt

VESSEL CONNECTIONS, ANSI Class 300# RF Flanges, unless noted

- a) One (1) 10" gas inlet
- b) One (1) 10" gas outlet
- c) Two (2) 2" level control, 3000# coupling
- d) One (1) 2" NPT glycol inlet, 6000# coupling
- e) One (1) 2" NPT glycol outlet, 6000# coupling
- f) Two (2) 2" NPT level switch for low, high, low-low level, 3000# coupling
- g) Two (2) 24" manways with blind
- h) Two (2) ¾" level glass connections, 6000# coupling
- i) One (1) 1" NPT vent connection, 6000# coupling
- j) One (1) 2" drain
- k) One (1) ½" pressure gauge, 6000# coupling
- l) One (1) 2" thermal relief
- m) Twelve (12) 1" 6000# coupling for tray drain with manual valve and plug

ACCESSORIES

- a) One (1) pressure gauge, 4½" dial with isolating valve
- b) Three (3) 5" dial-type thermometers with stainless steel thermowells
- c) One (1) relief valve 1" x 1" set @ 740 psig thermal relief with locking full-port isolation valve
- d) One (1) 2" NPT pneumatic level controller
- e) One (1) 1" NPT level control valve
- f) One (1) 2" Flanged drain valve
- g) One (1) 1" NPT SDV valves with 3-way solenoid
- h) Two (2) 2" flanged isolation valves in glycol outlet

PAINT

3-Coat Paint System - Sherwin Williams or equal

Note: No skid or piping is included.

ESTIMATED WEIGHT & DIMENSIONS

Estimated shipping weight is 40,931 pounds.

Estimated shipping dimensions are 498" L x 60" W x 60" H

ITEM II - GAS/GLYCOL EXCHANGER

One (1) gas/glycol exchanger, 19" OD x 45" x 1220 psig @ 180°F, type "WLD" with design duty of 0.2 MM Btu/hr.

PAINT

3-Coat Paint System - Sherwin Williams or equal

Note: This exchanger mounts on side of contactor. No piping or skid is furnished.

ESTIMATED WEIGHT & DIMENSIONS

Estimated shipping weight is 1,090 pounds.

Estimated shipping dimensions are 45" L x 26" W x 26" H.

ITEM III - GLYCOL RECONCENTRATOR

One (1) ETI 2.94 MM Btu/hr total duty Glycol Reconcentrator, with the following equipment mounted, piped, wired and interconnected: (Note: Includes 20% over design).

1. One (1) 48" OD x 30'-0" x 0 psig non-code reboiler assembly with integral surge section, 2" superheat coil, complete with:
 - a) One (1) 0.994 MM Btu/hr removable firetube assembly, 16" x 17'-6" U-tube, heat flux of 7,000 Btu/hr / Sq. Ft. / firetube
 - b) One (1) 16" OD stack complete with:
 1. one (1) anti-downdraft stack head
 - c) One (1) main fuel gas manifold, complete with: (FM approved)
 1. one (1) 10³/₄" x 36" x 125# fuel gas scrubber
 2. one (1) 1" NPT Fisher regulator set @ 50 psig
 3. two (2) 1" NPT isolation valves
 4. one (1) 1" x 1" thermal relief set @ 125 psig complete with 1" NPT full port ball valve
 5. one (1) 3/4" main fuel gas Fisher regulator set @ 15 psig
 6. two (2) 3/4" NPT isolating valves
 7. two (2) pressure switches, PSH/PSL, complete with 1/2" NPT isolating valves
 8. two (2) 3/4" NPT solenoid valves, 120 VAC for SDV
 9. one (1) 1/4" NPT solenoid valve, 120 VAC for vent valve
 10. one (1) 1" NPT temperature control valve (controller by pneumatic TC on the reboiler)
 11. two (2) pressure indicators with 1/2" NPT isolation valves
 - d) One (1) 1/4" pilot gas manifold complete with:
 1. two (2) 1/4" isolation valves
 2. one (1) 1/4" NPT solenoid valve 120 VAC for SDV
 3. one (1) pressure gauge, 0-15 psig with 1/4" NPT isolation valve
 4. one (1) 1/4" Fisher regulator set @ 5 psig
 - e) One (1) flame arrestor rated @ 1.5 MM Btu/hr, complete with:
 1. one (1) 3" air gas mixer head
 2. one (1) 3" H-120 compound injector
 3. one (1) ignitor and ignitor rod
 4. one (1) Honeywell flame rod safety flame guard
 5. one (1) manual air controller

- f) One NEMA 4X, glycol dehydration natural draft burner management/control panel suitable for operation in a Class 1 Division 2 area.

The panel is provided with one flame relays for pilot/burner management for reboiler and one RTD for burner management of the ground flare. A panel light display is included for indication of burner chamber purge, pilot ignition, burner control and flame relay diagnostics.

A programmable logic controller (PLC) is provided for control system logic and alarm annunciation. All alarms will be indicated on the face of the enclosure via alarm lamps on a "first out" basis, to include the following:

One (1) NEMA 4X, 316 S.S., glycol dehydration control systems suitable for Class 1, Division 2 area of operation. The reboiler and flare burner management flame programmer relays are suitable for flame rode pilot flame detection provided in a NEMA 7 spin-top window enclosure. The flame programmer relay is provided with a flame relay display for viewing pilot flame strength, pilot energized, ignition and main burner energized. The control system includes the following major components:

- NEMA 4X, 60"H X 36"W X 8"D, 316 S.S., enclosure
- Modicon Momentum 24VDC, 32 PT input module
- Modicon Momentum 24VDC, 32 PT output module
- Modicon Momentum combination analog module
- Phoenix mini-MCR series RTD transducer module
- Phoenix mini-MCR series TC transducer module
- Phoenix Ethernet switch # 2891314
- Allen-Bradley 700-FSK series WatchDog timer
- Honeywell RM7898 series programmer relay for reboiler and flare
- Cutler-Hammer 10250T series operator and LED indicators
- 120VAC ignitor

The following operator/indicators are located on the face of the enclosure:

- | | |
|--|--|
| • Power ON lamp | • Reboiler start pushbutton |
| • Power OFF/ON switch | • Reboiler stop pushbutton |
| • Local/remote ESD lamp | • Lamp test pushbutton |
| • ESD push-pull operator | • Alarm reset pushbutton |
| • Reboiler flame failure lamps | • Common active alarm lamp (Global) |
| • Reboiler high stack temperature lamp | • Common unacknowledged alarm lamp (Global) |
| • Fuel gas low pressure lamp | • Flare fuel gas high pressure |
| • Fuel gas high pressure lamp | • Flare fuel gas low pressure |
| • Reboiler high temperature lamp | • Flare stack high temperature lamp |
| • Surge tank low level lamp | • Flare flame arrestor high temperature lamp |
| • Flash separator low level lamp | • Flare flame failure |
| • Flash separator high level lamp | • Flare start pushbutton |
| • Contactor low level lamp | • Flare stop pushbutton |
| • Glycol pump high discharge pressure | |
| • WatchDog system OK lamp | |

All process status and control loops are resident in the PLC for access by others via Ethernet communications.

A common alarm "dry" contact is included for customer use.

An ESD interposing relay is included for customer remote safety shutdown.

The PLC programming will be provided in Modicon Concept Version 2.5, SR2, Patch F. Function block (FB) sequential function chart (SFC) programming will be provided.

- g) One (1) pneumatic temperature controller
 - h) One (1) thermocouple temperature safety high
 - i) Two (2) thermometers, 5" dial-type with stainless thermowell [bath + ovhd]
 - j) One(1) 2" drain valve
 - k) Insulated with 1½" thick Easy Wrap high density fiberglass insulation with aluminum jacketing
 - l) Two (2) gauge columns with gauge valves and drain valves
 - m) One (1) 16" Stahl column packed with 1" stainless steel pall rings
 - n) Three (3) level switches
 - o) One (1) sparge gas regulator, isolation and check valve
 - p) Four (4) 6" inspection/drain connections with blinds
2. One (1) 24" OD x 10'-0" x 0 psig non-code removable still reflux column, complete with:
- a) Insulated with 2" thick Easy Wrap high density fiberglass insulation with aluminum jacketing
 - b) Column to be packed with 1" stainless steel pall rings
 - c) One (1) temperature controller
 - d) One (1) 3-way temperature control valve
3. Two (2) external rich-lean glycol heat exchangers, each consisting of finned multitube sections. Heat transfer rating 1.673 MM Btu/hr.
4. One (1) sock filter 20.9 gpm capacity, 8.625" OD x 36" long, 150 psig design, complete with:
- a) One (1) set of replacement filter elements
 - b) Isolating and by-pass valves
 - c) One (1) drain valve
 - d) Differential Pressure Indicator with isolation valves and 5-valve manifold
5. Two (2) glycol pumps (100% capacity each), mounted and piped, complete with the following:
- a) One (1) 3" lean glycol strainer for each flow line
 - b) One (1) 3" isolating valve for each flow line
 - c) One (1) 1" discharge check valve for each flow line
 - d) One (1) 1" discharge block valve for each flow line
 - e) One (1) discharge pressure gauge with isolating valve in common discharge line

- f) One (1) 10 Hp motor, 460 VAC/3Ø/60 Hz, TEFC
 - g) One (1) 1" x 1" pressure safety valve for each flow line with startup bypass valve
 - h) One (1) flow indicating meter (common to both) – Halliburton type
 - i) One (1) 1" flow control valve for flow return to surge vessel
 - j) Two (2) discharge dampeners – Coors-Tek Model C-14001-T
 - k) One (1) Pressure transmitter on the pump discharge
 - l) One (1) discharge line isolating valve
6. One (1) 48" OD x 15'-0" S/S x 125 psi maximum design pressure, 3-phase glycol flash drum, 30 minute retention time, complete with:
- a) One (1) pressure gauge, 4½" dial, and one pressure transmitter, with isolating valve
 - b) One (1) 5" dial type thermometer with stainless steel thermowell
 - c) One (1) relief valve, 1" x 1" set @ 125 psig
 - d) Three (3) gauge columns with gauge valves and drain valves, one in each section.
 - e) Two (2) 1" level control valves
 - f) Insulated with 1½" thick Easy Wrap high density fiberglass insulation with aluminum jacketing
 - g) Two (2) level controllers
 - h) Two (2) level switches
 - i) Two (2) manual drain valves
 - j) One (1) back pressure control valve set @ 75 psig with isolating block valves to hold pressure on the flash tank and one (1) pressure control valve set @ 60 psig
7. One (1) charcoal filter rated @ 100% of total flow rate, 20.9 gpm, 36" OD x 91" O.A.L., complete with:
- a) Isolating drain and by-pass valves
 - b) One (1) spare set filters
 - c) Differential Pressure Indicator with isolation valves and 5-valve manifold
8. One (1) sock filter 20.9 gpm capacity, 3½" OD x 36" long, 740 psig, 300# class nozzles, design, complete with:
- a) One (1) set of replacement filter elements
 - b) Isolating and by-pass valves
 - c) One (1) drain valve
 - d) Differential Pressure Indicator with isolation valves and 5-valve manifold
9. One (1) structural steel skid, approximately 13'-0" wide x 54'-0" long and constructed from W.F. beam and complete with lifting lugs and deck plate with containment lip.

PAINT

Unit to be painted in accordance with paint specifications as listed in bid specifications.

ESTIMATED WEIGHT & DIMENSIONS

Estimated shipping weight is 86,049 pounds.

Estimated shipping dimensions are 648" L x 156" W x 120" H. Ship loose items include reboiler stack, stripping column with reflux coil, ladder & platform, and miscellaneous instruments.

**NET PRICE, ITEMS I, II AND III, F.O.B. MANUFACTURERS FACILITY,
TULSA, OKLAHOMA.....\$701,758.00**

ESTIMATED DELIVERY FOR ALL ITEMS

Delivery shall be made sixteen (16) to eighteen (18) weeks after receipt of drawing approval. Drawings will be submitted for approval three (3) weeks after receipt of purchase order.

The skid in this proposal has been quoted from existing unused material in inventory and has been discounted to provide Dominion the greatest cost savings. This material, however, is subject to prior sale from other offerings, and should Dominion issue a purchase order and the material is no longer available, ETI will revise its proposal accordingly.

ITEM IV One (1) Enclosed Ground Flare

Design Conditions

Inlet Flow Rate	477.3 lb/hr or 9050 scfh overhead + 331 scfh flash tank
Heat Release Contribution, MMBtu/h	0.428 MMBtu/h Flash Tank 3.545 MMBtu/h Recon Overhead [includes stripping gas]
Turndown	20:1
Inlet Temperature	212-250°F (superheated vapor—not saturated)
Inlet Pressure	2” W.C.
Combustion Chamber Temperature	1400°F to 1500°F, set at control panel
Residence time	1.0 Second
Combustion Efficiency	>98.0 to 99%
Control Panel	Controllers in Dehy Panel/J-Box attached to flare base.

--and consisting of:

1. One (1) vertical Enclosed Ground Flare, complete with the following:
 - 36’-0” overall height x 36” x 42” x 42” diameter design
 - Pad mounted design self supporting
 - Three Natural draft flame arrestor elements for Class I, Division II area
 - High temperature thermocouples (high-high stack, high-high burner, high flash arrestor)
 - Combustion chamber material – 3” refractory lined carbon steel combustion chamber.
 - Sump with level switch and drain valve
 - FM approved fuel train on makeup gas, with shutdowns on pilot and waste flash tank gas.
 - 3” In-line flash arrestor, vertically mounted

2. One (1) Burner System Rated @ 2.0 MM Btu/hr
 - 4” Eclipse with single stage/burner nozzle (fuel gas is mixed with waste gas to yield a combustible vapor)
 - 4” waste gas nozzle to disperse recon waste gas
 - 0.35 MM Btu/hr pilot gas burner (continuous pilot)
 - Pilot automatic ignition with high intensity spark transformer

For automated blow case for removal of overhead condensate liquids see Option ‘A’.

NET PRICE ITEM IV\$74,409.00

Weight: 8,136 lbs Shipping Dimensions: 34’-0” L x 48” W x 48” H

Note: Flame monitoring and safeguards are incorporated in the flare control panel.
(Please see the attached air pollution data sheets).

Delivery will be made twelve (12) to fourteen (14) weeks after receipt of drawing approval.
Drawings will be submitted for approval three (3) weeks after receipt of purchase order.

OPTIONAL ITEMS

Option “A” Automated Blow Case

A1. One standard Jatco no brass model J5000CX NBO Blow Case complete with check valves, pressure switch, level switch, relief valve (see P&ID).

NET PRICE ADDITION Option “A1”\$1,723.00

A2. One standard Jatco all stainless model J5000CX SS Blow Case complete with check valves, pressure switch, level switch, relief valve (see P&ID).

NET PRICE ADDITION Option “A2”\$2,274.00

Option “B” Level and temperature Transmitters

B. Option “B” offers temperature transmitters, I/P transducers in lieu of temperature pneumatic controls and level transmitters, I/P transducers in lieu of level pneumatic controls. A total of three level and two temperature controls are impacted. These controls will allow customer to follow via the control panel temperatures and levels.

NET PRICE ADDITION Option “B”20,756.00

Option “C” Flow Transmitters

C. Option “C” flow transmitter, I/P transducer, and control valve in lieu of local flow indication and manual bypass valve. These controls will allow customer to follow via the control panel flow rate.

NET PRICE ADDITION Option “C”\$ 6,375.00

Option “D” VFD drives

D. Option “D” VFD drives for each of the injection pump motors in lieu of conventional motors.

NET PRICE ADDITION Option “D”\$ 7,131.00

NOTE: The attached P&ID show incorporation of Option A1, B, and C. The pricing information uses pneumatic controls as the basis of this offering with adders to achieve an electronic/PLC interfaced control scheme.

Option “E” Ladder & Platform

E. Ladder and Platform

Two (2) galvanized ladders and platforms, one each for reboiler and flash tank.

NET PRICE ADDITION Option “E”\$13,410.00

Option "F" Suction Dampeners

F. Suction Dampeners For Glycol Pumps

1. Two (2) suction dampeners, Coors-Tek Model C-14002-T

NET PRICE ADDITION Option "F"\$ 2,969.00

APPENDIX 13.2 COMPLETED BY VENDOR

Project:

GENERAL			
	Manufacturer's Model Number	48" BC CONTACTOR 1 MM RECON	
	Delivery Quoted	16-18 Weeks ARAD	
	Electrical Power Required for Panel	120 Volts	Amps
	Instrument Air Pressure Required	100 psig	
	Contactor Gas Connection Size, Type	10" R.F. Flange	
PERFORMANCE			
	Outlet Gas Water Content (lbs/MMscf)	7.0	
	Lean Glycol Purity (wt%)	99.5%	
	Reconcentration Temperature (°F)	390-400	
	Glycol Circulation Rate (gpm)	20	
	Recirculation Ratio, Gallon Glycol/lb H ₂ O	4	
	Flash Tank Operating Pressure (psig)	70	
	Flash Tank Operating Temperature (°F)	190	
	Stripping Gas / Gallon Glycol	1.3-2.23	
GLYCOL HEATER			
	Number of Firetubes	1	
	Number of Burners/Firetube	1	
	Firetube Material	SA-106B	
	Firetube Size/Wall Thickness	16"/0.25"	
	Total Firetube Area (FT ²)	142.4	
	Firetube Heat Flux (≤ 10,000 BTU/hr/ft ²)	6,982	
	Number of Stacks	1	
	Stack Height (ft.)	15	
	Number of Coils	2 x 0.5" 304 SS	
	Number of Passes per Coil	33	
	Coil Area (ft ²)	39.6	
	Coil Heat Flux (≤10,000 BTU/hr/ft ²)	1,154	
FLARE			
	Manufacturer/Model No.	ETI	
	Stack Height (ft.)	34	
	Liquid Sump Capacity (gal.)	4	
	Pilot Gas Rate (SCFM)	0.55-0.95	
	Guy Wires Required?	NOT REQUIRED, AVAILABLE	
OTHER			
	Estimated operating capacity of TEG for all vendor supplied items (neglect DTI supplied interconnection pipe)	2445	gallons

APPENDIX 13.3

Seller shall warrant that the equipment supplied will meet the performance specifications below and as stated on the attached Vendor completed portion of the Glycol Dehydration Unit Data Sheets, Appendix 13.2

Fuel Consumption - Manufacturer shall warrant that the fuel consumption of the subject unit will not exceed the fuel consumption specified below.

Unit Emissions - Manufacturer shall warrant that the subject unit will not exceed the quoted emission rates specified below for nitrogen oxides (NO_x), carbon monoxide (CO), total Hydrocarbons (HCT), and non-methane hydrocarbons (NMHC).

FOR REBOILER

MAX LOAD			PPMvd @ 3% O2	Tons / Year
Nitrogen Oxides	NO _x	Warranted	125	1.08
Carbon Monoxides	CO	Warranted	125	0.66
Total Hydrocarbons	HCT	Warranted	125	0.41
Nonmethane Hydrocarbons	NMHC	Warranted	50	0.51
Fuel Rate (CFH)		Warranted	1562.5	317.2

MIN LOAD			PPMvd @ 3% O2	Tons / Year
Nitrogen Oxides	NO _x	Warranted		
Carbon Monoxides	CO	Warranted		
Total Hydrocarbons	HCT	Warranted		
Nonmethane Hydrocarbons	NMHC	Warranted		
Fuel Rate (CFH)		Warranted	78.5	

Fuel	Natural Gas	Natural Gas,
Fuel Consumption	1.155	MM btu/hr
Exhaust Diameter	16"	inches
Exhaust Height	18'	Ft. from skid base
Exhaust Temperature	900-950	^o F
Exhaust Velocity	12	Ft/sec

If the equipment fails to comply with performance specifications, it shall be the manufacturer's responsibility to make modifications to the equipment to ensure compliance. All modifications will be subject to purchaser's approval.

FOR FLARE

MAX LOAD			PPMvd @ 3% O2	Tons / Year
Nitrogen Oxides	NO _x	Warranted	60	1.94
Carbon Monoxides	CO	Warranted	80	1.57
Total Hydrocarbons	HCT	Warranted	80	0.99
Nonmethane Hydrocarbons	NMHC	Warranted	8	0.30
Fuel Rate (CFH)		Warranted	1906	

MIN LOAD			PPM @ 3% O2	Tons / Year
Nitrogen Oxides	NO _x	Warranted	_____	_____
Carbon Monoxides	CO	Warranted	_____	_____
Total Hydrocarbons	HCT	Warranted	_____	_____
Nonmethane Hydrocarbons	NMHC	Warranted	_____	_____
Fuel Rate (CFH)		Warranted	191	_____

Fuel	Natural Gas	Natural Gas, Fuel Oil, etc.
Fuel Consumption	2.0	MM btu/hr (max)
Exhaust Diameter	36"	inches
Exhaust Height	34'	Ft. from skid base
Exhaust Temperature	1475-1500	°F
Exhaust Velocity	26	Ft/sec

General Notes/Terms and Conditions

1. Progress Payments

Progress Payments: We suggest the following schedule for progress payments for your consideration.

- 10% Order Placement
- 15% Submittal of Approval Drawings
- 15% Requisition of major buyouts
- 20% Receipt of vessel shell/head material
- 25% Receipt of Major Buy-Outs
- 15% At shipment or notification that equipment is ready to be shipped

Terms: Net thirty (30) days from date of invoice.

2. Validity

This quotation is valid for thirty (30) days from date of quotation.

3. Inspection

Any inspection or mechanical calculation/drawing/code review required by a third party would be to Client's account. Free access to fabricator's workshops for inspection purposes would be available during all stages of construction. All acceptance or rejection of the described equipment shall be ex-works, Seller's point of manufacture.

4. Change Orders

Once an order is placed and additions and/or deletions are required, a lump sum price, plus or minus, will be submitted to Client, by telefax or letter, for approval.

The Engineering Change Order will include for:

- Project engineering and related charges
- Drafting changes and related charges
- Materials cost
- Freight, delivery and/or restocking costs
- Administration charges
- Project delivery revisions

The Engineering Change Order will be approved by Client's representative in writing by telefax or letter prior to implementation by the ETI project engineer.

The Engineering Change Order will be approved by Client's representative in writing by telefax or letter prior to implementation by the ETI project engineer.

5. Project Manager

ETI will assign a project manager for the duration of the project. He will be responsible for all aspects of the project, including the project staff, contract documents, customer specifications, schedule and quality standards. He ensures the successful completion of the project on schedule. A monthly project report and a weekly update will be submitted showing the current status of all project events. All correspondence will be handled by the project manager.

6. Coating Warranty

Due to the variable consistency of the quality of available coating materials and due to the lack of control of the characteristics of the use and the elements involved, ETI guarantees only to apply coatings in accordance with practices and standards recommended by the manufacturers of the coating material. We invite inspection during the application. In the event the said inspection, either by the Customer or by ourselves reveals that the application is below standard, we will bring the application up to standard. Our guarantee covers the proper method of application only, and does not cover the quality of coating materials and does not cover loss of contents or loss or costs due to corrosion or for consequential damages of any kind. Third party inspectors, if required, and the resultant additional expense incurred thereof, will be chargeable to Customer's account.

7. Shipment Preparation

Unit will be furnished uncrated with all openings plugged or covered. If the Customer specifies the unit to be crated, an extra charge will then be made, depending on the type of crating specified.

Prices include preparation for shipment, to the extent that all loose fittings and accessories will be packed in suitable wooden crates. To facilitate shipment of unit, certain assembly items may be removed and shipped loose. Reassembly of such items in the field will be for the Customer's account.

8. Cancellation, Suspension, or Delay

After acceptance by Engineering Technology, Inc., this proposal or purchaser's order based on this proposal, shall be a firm agreement and is not subject to cancellation, suspension, or delay except upon payment by Purchaser of appropriate charges which shall include all costs incurred by Engineering Technology, Inc. to date of cancellation, suspension or delay.

9. Guarantees Related to Materials and Equipment Furnished by Others

Seller shall, for the protection of Buyer, procure from all of its vendors and sub-contractors, for the benefit of Buyer, available guarantees with respect of the equipment manufactured or furnished by other such vendors and sub-contractors and used and installed hereunder, which shall be made available to Buyer to the full extent of the terms thereof. Seller obligations shall be limited to procuring such available guarantees for Buyer and rendering all reasonable assistance to Buyer for the purpose of enforcing the same.

10. Taxes

ETI will charge the appropriate taxes and/or duties at the time of sale, applicable to the goods and services provided. Sales or use tax will not be charged to those with valid tax exemption certificates or direct pay tax permits.

11. Erection, Start-up and Commissioning

ETI can provide qualified service personnel to assist in installation, start-up and commissioning of the described equipment. Also for training on site of Client's operating and maintenance staff. For this service, as may be required, a daily charge shall be made based upon the following:

- Charges for ETI personnel while on U.S. based field trips shall be at a standard daily rate of \$1250.00 per day minimum.
- Charges are portal-to-portal commencing at time of departure from the city of residence and continue until time of return. Travel days are chargeable at standard daily rate.
- Subsistence (food & lodging) at \$350.00 per day, if not provided.
- Round trip air fare at documented cost.
- Rental car (if required) at documented cost.
- Material and parts will be charged in addition to the field service charges.
- Any taxes imposed are to customers account.

Date: 8/25/10

By: Stephen J. Rehm
STEPHEN J. REHM, Ph.D., P.E.

SJR/esq

ENGINEERING TECHNOLOGY, INC.

STANDARD WARRANTY

Engineering Technology, Inc., warrants its products to be free from defective workmanship and material for a period of twelve (12) months from date of equipment start-up or eighteen (18) months from date of Engineering Technology, Inc.'s transmittal of notice of readiness for shipment to Purchaser, whichever period expires first, provided Purchaser subjects the equipment only to the operating conditions specified by Purchaser when the order is placed and in accordance with Engineering Technology, Inc.'s written operating instructions.

Installation

Unless specifically identified as a separate item in Seller's quotation, Seller's price does not include installation advisory services. Buyer assumes full responsibility for installation and operation of the equipment, including but not limited to, the actual physical installation and initial operation.

Limitation of Consequential Loss

Seller shall not be liable to the Buyer under the terms of this contract for consequential damages, including, but not limited to, loss of actual or anticipated profits, loss of use or loss of production caused by any breach of contract by Seller, howsoever such loss may arise.

If any material or part is found to be defective within the first thirty (30) days of initial start-up of equipment in the field then Engineering Technology, Inc., agrees to send qualified technical personnel to the job site at no charge to the purchaser to assist in the repair or replacement of the defective part or material.

Attachment N

Supporting Emissions Calculations

Reboiler (RBV1) Potential Emissions

Dominion Transmission, Inc.

Pepper Compressor Station

Input Data: ETI
Design Class: Natural Gas-Fired
Fuel Input: 1.155 MMBtu/hr
Heating Value of Natural Gas: 1,000 Btu/scf
Fuel Input: 0.001563 MMscf/hr (ETI Quotation No. D0081010, 8-25-10)
Maximum Hours of Operation: 8,760 hrs/yr

Emission Calculations

Pollutant	Emission Factor		Potential Emissions	
			(lb/hr)	(tons/yr)
PM (filterable)	1.9	lb/MMscf	0.0030	0.0130
PM-10 (filterable)	1.9	lb/MMscf	0.0030	0.0130
PM-2.5 (filterable)	1.9	lb/MMscf	0.0030	0.0130
PM (condensibles)	5.7	lb/MMscf	0.0089	0.0390
SO ₂	0.6	lb/MMscf	0.0009	0.0041
CO	0.660	ton/yr	0.1507	0.6600
NO _x	1.080	ton/yr	0.2466	1.0800
VOC	0.510	ton/yr	0.1164	0.5100
Benzene	2.10E-03	lb/MMscf	0.0000	0.0000
Formaldehyde	7.50E-02	lb/MMscf	0.0001	0.0005
Hexane	1.80E+00	lb/MMscf	0.0028	0.0123
Naphthalene	6.10E-04	lb/MMscf	0.0000	0.0000
Toluene	3.40E-03	lb/MMscf	0.0000	0.0000
TOTAL HAP:			0.0029	0.0129

(1) CO , NOx and VOC annual emission rates based on Manufacturer's Specification Sheet (ETI Quotation No. D0081010, 8-25-10)

(2) PM and SO2 emission factors from AP-42, Section 1.4, Natural Gas Combustion, Table 1.4-2, 7/98

(3) HAP emission factors from AP-42, Section 1.4, Natural Gas Combustion, Tables 1.4-3, 4, 7/98

Attachment S

Title V Permit Revision Information

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 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 type="checkbox"/> Section 112(d) MACT standards (Subpart(s) _____)
<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 EGU's (45CSR26)
⁽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:	

2. Non Applicability Determinations
<p>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.</p> <p>Refer to Regulatory Discussion in Attachment D for complete regulatory review.</p>
<input type="checkbox"/> Permit Shield Requested <i>(not applicable to Minor Modifications)</i>
<i>All of the required forms and additional information can be found under the Permitting Section of DAQ's website, or requested by phone.</i>

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.

Title V Condition 1.1 Emission Units:

Revise Design Capacity for RBV1 to read 1.155 MMBtu/hr.

Remove Tanks:

TK01, Tank containing Drip Gas – Replace with TK10

TK02, Tank containing New Engine Oil – Replace with TK11

Revise Tanks:

Emission Unit ID	Emission Point ID	Emission Unit Description	Year Installed	Design Capacity	Control Devices
TK06	TK06	Tank containing TEG	2012	400 528 gallons	N/A

New Tanks:

Emission Unit ID	Emission Point ID	Emission Unit Description	Year Installed	Design Capacity	Control Devices
TK10	TK10	Tank containing Drip Gas	2001	4200 gallons	N/A
TK11	TK11	Tank containing Lube Oil	2006	4200 gallons	N/A
TK12	TK12	Tank containing Drip Gas	2012	4200 gallons	N/A
TK13	TK13	Tank containing Used Oil	2012	550 gallons	N/A
TK14	TK14	Tank containing Used Oil	2014	550 gallons	N/A
TK15	TK15	Tank containing Waste Water	2014	550 gallons	N/A

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
R13 – 2866A	07/22/2013	Section 4.0 – Source-Specific Requirements

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
NA	/ /	

6. Change in Potential Emissions

Pollutant	Change in Potential Emissions (+ or -), TPY
NA	NA

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

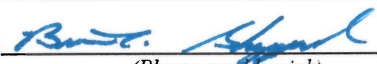
7. Certification For Use Of Minor Modification Procedures (Required Only for Minor Modification Requests)

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):	 <i>(Please use blue ink)</i>	Date:	<u>12 / 11 / 15</u> <i>(Please use blue ink)</i>
Named (typed):	Brian C. Sheppard	Title:	VP, Pipeline Operations

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

- Compliance Assurance Monitoring Form(s)
- 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.