

September 24, 2015

Bev McKeone NSR Permitting Supervisor WVDEP, Division of Air Quality 601 – 57th Street, SE Charleston, West Virginia 25304

Re: 45CSR13 Permit Application, Facility ID 081-00191 Rowland 303B, Well Pad Facility, New Milton, West Virginia

Dear Ms. McKeone:

SLR International Corporation (SLR) has prepared the attached Rule 13 Class II Administrative Update on behalf of CNX Gas LLC (CNX Gas) for their Rowland 303B compressor station located near Cameron, Raleigh County, West Virginia.

CNX Gas would like to replace a small generator used for prime power at the Rowland 303B site. The generator is used for non-emergency purposes to run an electric dewatering pump needed a located onsite. The proposed engine will be relocated from an existing site purchased from Dominion. Records show the unit was originally ordered on June 21, 2006. Therefore, it is being viewed as "commencing construction" after the existing source date of June 12, 2006 defined within 40CFR63, Subpart ZZZZ. Because the engine is within the new source category it is directed to comply with the NSPS requirements of Subpart JJJJ, 40CFR60. However, due to the mfg. date being listed as 2006 on the engine, it appears to be exempt from the requirements of the Regulation in accordance with 40CFR§60.4230(4)(iii). Nevertheless, an NSPS fee was included for the application since it was prescribed by Subpart ZZZZ. However, please let me know if this additional fee is found to be unnecessary.

The emission changes resulting from this engine replacement will increase NOx emissions by an estimated 0.23 tpy while all other regulated pollutants will be reduced. The overall increase in NOx emissions was listed within the public notice delivered to the *Register-Herald* for publication. The legal advertisement will be forwarded to your office as soon as SLR receives the original affidavit from the newspaper.

September 24, 2015 Page 2

If any additional information is needed, please don't hesitate contacting me by telephone at (304) 545-8563 or by e-mail at jhanshaw@slrconsulting.com.

Sincerely, SLR International Corporation

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Jesse Hanshaw, P.E. Principal Engineer

JH:lev

Attachment: Rule 13 Permit Application cc Patrick Flynn, CNX Gas LLC





global environmental solutions

CNX Gas Company, LLC Rowland 303B Compressor Station R13-3030B Dameron, West Virginia Rule 13 Permit Class II Application SLR Ref: 116.00894.00041

Rowland 303B Rule 13 Permit Application

Prepared for:

CNX Gas Company, LLC 1000 Consol Energy Drive Canonsburg, Pennsylvania 15317

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.

Lori Smith Senior Engineer

Jesse Hanshaw Principal Engineer

ATTACHMENTS

APPLICATION FC	IR PERMIT
ATTACHMENT A	BUSINESS CERTIFICATE
ATTACHMENT B	MAP
ATTACHMENT C	INSTALLATION AND START-UP
ATTACHMENT D	REGULATORY DISCUSSION
ATTACHMENT E	PLOT PLAN
ATTACHMENT F	PROCESS FLOW DIAGRAM
ATTACHMENT G	PROCESS DESCRIPTION
ATTACHMENT H	MATERIAL SAFETY DATA SHEETS (MSDS)
	EMISSION UNITS TABLE
ATTACHMENT J	EMISSION POINTS DATA SUMMARY SHEETS
ATTACHMENT K	FUGITIVE EMISSIONS DATA SUMMARY SHEET
ATTACHMENT L	EMISSION UNIT DATA SHEET
ATTACHMENT M	NOT APPLICABLE (see Note)
ATTACHMENT N	SUPPORTING EMISSIONS CALCULATIONS
ATTACHMENT O	MONITORING/RECORDKEEPING/REPORTING/ TESTING PLANS
ATTACHMENT P	
ATTACHMENT Q	NOT APPLICABLE (see Note)
ATTACHMENT R	POWER OF ATTORNEY (see Note)
ATTACHMENT S	NOT APPLICABLE (see Note)
ATTACHMENT T	PERMIT APPLICATION FEE

 Note: Attachment M – No control device on modified equipment. Attachment Q- No information contained within this application is claimed confidential. Attachment K-Responsible Official signed the application. Attachment S-Not a Title V Permit Revision.

APPLICATION FOR PERMIT

Rule 13 Permit Application

Rowland 303B Compressor Station, R13-3030B Dameron, West Virginia

CNX Gas Company, LLC 1000 Consol Energy Drive Canonsburg, Pennsylvania

WEST VIRGINIA DEPARTMENT OF ENVIRONMENTAL PROTECTION DIVISION OF AIR QUALITY 601 57 th Street, SE Charleston, WV 25304 (304) 926-0475 WWW.dep.wv.gov/dag	TITLE V PE	V FOR NSR PERMIT AND VRMIT REVISION VTIONAL)		
PLEASE CHECK ALL THAT APPLY TO NSR (45CSR13) (IF KNOWN	PLEASE CHECK TYPE OF 45	CSR30 (TITLE V) REVISION (IF ANY):		
CLASS I ADMINISTRATIVE UPDATE TEMPORARY		ON		
CLASS II ADMINISTRATIVE UPDATE	IF ANY BOX ABOVE IS CHECK INFORMATION AS ATTACHME	ED, INCLUDE TITLE V REVISION ENT S TO THIS APPLICATION		
FOR TITLE V FACILITIES ONLY: Please refer to "Title V Revi (Appendix A, "Title V Permit Revision Flowchart") and abilit				
Section	I. General			
1. Name of applicant (as registered with the WV Secretary of CNX GAS COMPANY LLC	State's Office): 2. Federal	Employer ID No. (FEIN): 550738862		
3. Name of facility (if different from above):	4. The appli	cant is the:		
ROWLAND 303B COMPRESSOR STATION		OPERATOR 🛛 BOTH		
5A. Applicant's mailing address: CONSOL ENERGY 1000 CONSOL ENERGY DRIVE CANONSBURG, PA 15317		address: 'ORKMAN'S CREEK ROAD. GO 2.8 PRESSOR STATION ON THE LEFT.		
 6. West Virginia Business Registration. Is the applicant a resident of the State of West Virginia? XES □ 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 n	me of parent corporation:			
8. Does the applicant own, lease, have an option to buy or oth	erwise have control of the propos	sed site? 🛛 YES 🗌 NO		
If YES , please explain: CNX Gas has control over the co	e operations at this 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 10. North American Industry Classification System (NAICS) code for the facility: 				
114 DAO Plant ID No. (for eviating facilities activity	List all autroat 4500040 and 45	212111		
11A. DAQ Plant ID No. (for existing facilities only): 081–00191	List all current 45CSR13 and 45 associated with this process (for R13-3030A	CSR30 (Title V) permit numbers existing facilities only):		
All of the required forms and additional information can be found	under the Permitting Section of D	AQ's website, or requested by phone.		

124

12A.					
For Modifications, Administrative Updates or Temporary permits at an existing facility, please provide directions to the					
present location of the facility from the nearest state		site location from the poprost state			
For Construction or Relocation permits, please p road. Include a MAP as Attachment B.	solvide directions to the proposed new s	site location from the nearest state			
TAKE COUNTY ROUTE 1/8 TO WORKMAN'S CREEK ROAD.	GO 2.8 MILES TO ROWLAND 303B COMP	PRESSOR STATION ON THE LEFT.			
12.B. New site address (if applicable):	12C. Nearest city or town:	12D. County:			
N/A	DAMERON	Raleigh			
		U U			
12.E. UTM Northing (KM): 4191.932	12F. UTM Easting (KM): 468.481	12G. UTM Zone: 17			
13. Briefly describe the proposed change(s) at the facilit	-				
REPLACEMENT OF THE ONSITE GENERATOR ENGI REPLACING IT WITH A 2.5 L FORD LRG-425.	NE. REMOVING THE PREVIOUS 4.2 I	FORD ESG-642 ENGINE AND			
14A. Provide the date of anticipated installation or change	ge: ASAP	14B. Date of anticipated Start-Up			
If this is an After-The-Fact permit application, prov change did happen: / /	ide the date upon which the proposed	if a permit is granted: ASAP			
14C. Provide a Schedule of the planned Installation of/ application as Attachment C (if more than one uni		units proposed in this permit			
15. Provide maximum projected Operating Schedule o Hours Per Day: 24 Days Per Week: 7	f activity/activities outlined in this applica Weeks Per Year: 52	ation:			
16. Is demolition or physical renovation at an existing facility involved? YES 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 (if known). 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 (if known). Provide this					
information as Attachment D.					
Section II. Additional att	achments and supporting d	ocuments.			
19. Include a check payable to WVDEP – Division of Air	Quality with the appropriate application	n fee (per 45CSR22 and			
45CSR13).					
20. Include a Table of Contents as the first page of your application package.					
 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). 					
S Indicate the location of the nearest occupied structure (e.g. church, school, business, residence).					
 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.					
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.						
F> 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 Su	mmary Sheet (Table 1 and Ta	able 2) and provide it as Attachment J.				
27. Fill out the Fugitive Emissions Data	Summary Sheet and provide	t as Attachment K.				
28. Check all applicable Emissions Unit	Data Sheets listed below:					
Bulk Liquid Transfer Operations	Haul Road Emissions	Quarry				
Chemical Processes	Hot Mix Asphalt Plant	Solid Materials Sizing, Handling and Storage				
Concrete Batch Plant	Incinerator	Facilities				
Grey Iron and Steel Foundry	Indirect Heat Exchanger	Storage Tanks				
General Emission Unit, specify Non-Er	nergency Generator					
Fill out and provide the Emissions Unit Da	ata Sheet(s) as Attachment L	•				
29. Check all applicable Air Pollution Co	ntrol Device Sheets listed be	OW:				
Absorption Systems	Baghouse	☐ Flare				
Adsorption Systems	Condenser	Mechanical Collector				
Afterburner	Electrostatic Precipit	ator Uvet Collecting System				
Other Collectors, specify:						
Fill out and provide the Air Pollution Cont	rol Device Sheet(s) as Attac	nment M.				
30. Provide all Supporting Emissions Ca Items 28 through 31.	alculations as Attachment N,	or attach the calculations directly to the forms listed in				
	compliance with the proposed	h proposed monitoring, recordkeeping, reporting and emissions limits and operating parameters in this permit				
	not be able to accept all meas	other or not the applicant chooses to propose such sures proposed by the applicant. If none of these plans ude them in the permit.				
32. Public Notice. At the time that the ap	oplication is submitted, place a	Class I Legal Advertisement in a newspaper of general				
circulation in the area where the source	e is or will be located (See 450	CSR§13-8.3 through 45CSR§13-8.5 and <i>Example Legal</i>				
Advertisement for details). Please su	ubmit the Affidavit of Publicat	ion as Attachment P immediately upon receipt.				
33. Business Confidentiality Claims. D	oes this application include co	nfidential information (per 45CSR31)?				
	⊠ NO					
	g the criteria under 45CSR§31	omitted as confidential and provide justification for each -4.1, and in accordance with the DAQ's <i>"Precautionary</i> Instructions as Attachment Q.				
Sec	ction III. Certification	of Information				
34. Authority/Delegation of Authority. Check applicable Authority Form bel		other than the responsible official signs the application.				
Authority of Corporation or Other Busin	ess Entity] Authority of Partnership				
Authority of Governmental Agency	Γ] 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 CLAUS Neal	DATE: <u>9/23/2015</u> (Please use blue ink)	
35B. Printed name of signee: Craig Neal		35C. Title:
		Vice President Gas Operations
35D. E-mail: craigneal@consolenergy.com	36E. Phone: (724)485-4000	36F. FAX: N/A
36A. Printed name of contact person (if differe SLR International Corporation	36B. Title: Principal Engineer	
36C. E-mail: jhanshaw@slrconsulting.com	36D. Phone: (304) 545-8563	36E. FAX: (618)205-8969

PLEASE CHECK ALL APPLICABLE ATTACHMENTS INCLUDE	D WITH THIS PERMIT APPLICATION:			
 Attachment A: Business Certificate Attachment B: Map(s) Attachment C: Installation and Start Up Schedule Attachment D: Regulatory Discussion Attachment E: Plot Plan Attachment F: Detailed Process Flow Diagram(s) Attachment G: Process Description Attachment H: Material Safety Data Sheets (MSDS) Attachment I: Emission Units Table Attachment J: Emission Points Data Summary Sheet 	 Attachment K: Fugitive Emissions Data Summary Sheet Attachment L: Emissions Unit Data Sheet(s) Attachment M: Air Pollution Control Device Sheet(s) Attachment N: Supporting Emissions Calculations Attachment O: Monitoring/Recordkeeping/Reporting/Testing Plans Attachment P: Public Notice Attachment Q: Business Confidential Claims Attachment R: Authority Forms Attachment S: Title V Permit Revision Information 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.	
	1
All of the required forms and additional information can be found under the Permitting Section of DAQ's website, or requested by phone	e.

ATTACHMENT A

BUSINESS CERTIFICATE

Rule 13 Permit Application

Rowland 303B Compressor Station, R13-3030B Dameron, West Virginia

CNX Gas Company, LLC 1000 Consol Energy Drive Canonsburg, Pennsylvania



I, Nutalie E. Tennant, Secretary of State of the State of West Virginia, hereby certify that

CNX GAS COMPANY LLC

was duly authorized under the laws of this state to transact business in West Virginia as a foreign limited liability company on June 29, 2001.

The company is filed as a term company, for the term ending June 29, 2026.

I further certify that the company's most recent annual report, as required by West Virginia Code §31B-2-211, has been filed with our office and that a certificate of cancellation has not been filed.

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CERTIFICATE OF AUTHORIZATION



Given under my hand and the Great Seal of the State of West Virginia on this day of October 28, 2011

Water Eyennen

Secretary of State

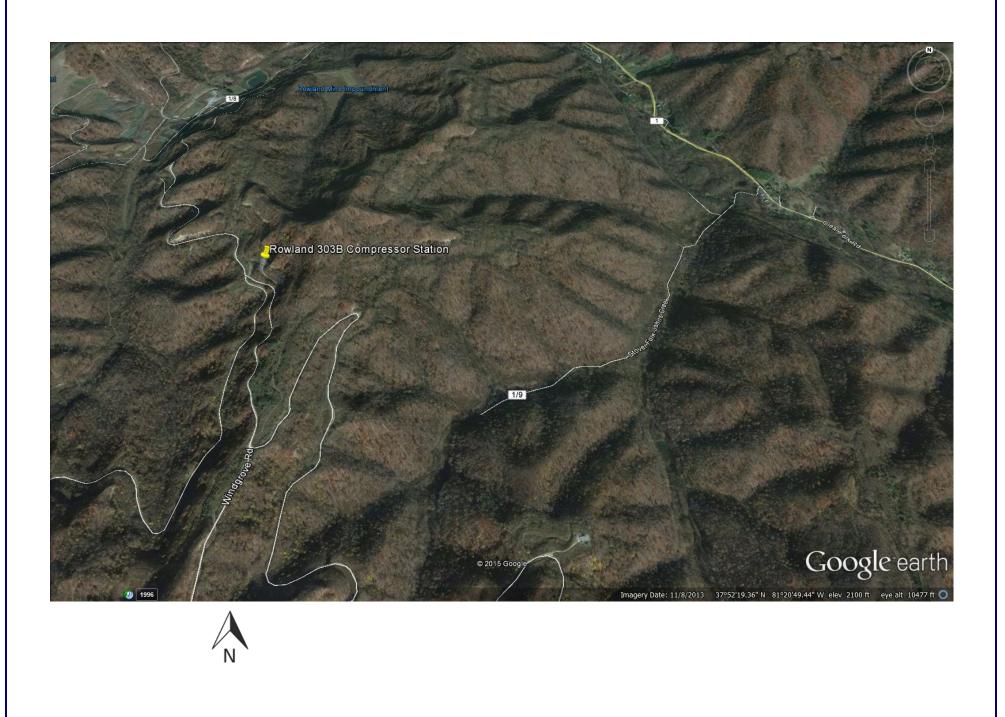
ATTACHMENT B

MAP

Rule 13 Permit Application

Rowland 303B Compressor Station, R13-3030B Dameron, West Virginia

> CNX Gas Company, LLC 1000 Consol Energy Drive Canonsburg, Pennsylvania



ATTACHMENT C

INSTALLATION AND START-UP

Rule 13 Permit Application

Rowland 303B Compressor Station, R13-3030B Dameron, West Virginia

CNX Gas Company, LLC 1000 Consol Energy Drive Canonsburg, Pennsylvania

The replacement generator with a 2.5 L Ford LRG-425 engine will be installed as soon as the modified permit is issued and will begin operation immediately after installation. Prior to receiving the modified permit, the facility will continue to operate per the requirements of the existing permit, R13-3030A.

ATTACHMENT D

REGULATORY DISCUSSION

Rule 13 Permit Application

Rowland 303B Compressor Station, R13-3030B Dameron, West Virginia

CNX Gas Company, LLC 1000 Consol Energy Drive Canonsburg, Pennsylvania

BASIS FOR PERMIT CONDITIONS

The Secretary's authority to require standards under 40 C.F.R. Part 60 (NSPS), 40 C.F.R. Part 61 (NESHAPs) and 40 C.F.R. Part 63 (NESHAPs MACT) is provided in West Virginia Code §§ 22-5-1 *et seq.*, 45CSR13, 45CSR15, 45CSR16, 45CSR30, and 45CSR34.

This facility is subject to the following applicable rules and regulations:

Federal and State:

45 CSR 6 - Open Burning Prohibited.

45 CSR 11 - Standby Plans for Emergency Episodes.

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

This permit will address the replacement of the engine.

WV Code § 22-5-4 (a) (14)

The Secretary can request any pertinent information such as annual emission inventory reporting. This station is required to submit an annual air emission inventory.

40 CFR 61 - This facility is subject to the asbestos inspection and notification requirements. However, no asbestos is affected by the proposed changes.

40 CFR 60 Subpart JJJJ – Standards of Performance for Stationary Spark Ignition Internal Combustion Engines.

The 2.5 L Ford LRG-425 33 HP natural gas generator is subject to this subpart since this non-emergency generator commenced construction after June 12, 2006. However, this engine is not subject to the emission limitations under Subpart JJJJ because it was manufactured before July 1, 2008. The nameplate information shows the engine was manufactured in 2006. (See Attachment N)

40 CFR 63 Subpart ZZZZ – NESHAP for Stationary Reciprocating Internal Combustion Engines.

The 2.5 L Ford LRG-425 33 HP natural gas fired generator is subject to this subpart as a new non-emergency engine because it was constructed after June 12, 2006. As a new engine, it satisfies the requirements of Subpart ZZZZ by following the requirements found in 40 CFR 60 Subpart JJJJ.

State Only:

45 CSR 4 - No Objectionable Odors.

45 CSR 17 - Fugitive Particulate Emissions.

NON-APPLICABILITY DETERMINATIONS

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

45 CSR 10 - Emission of Sulfur Oxides.

Reciprocating Internal Combustion Engines are exempt from the requirements of Rule 10 because they don't meet the definition of fuel burning units.

45 CSR 27 - To Prevent and Control the Emissions of Toxic Air Pollutants.

This rule is not applicable because 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."

45 CSR 30 – Requirements for Operating Permits – Title V of the Clean Air Act.

This facility does not meet the emission threshold to trigger the use of 45 CSR 30 Title V Operating Permit.

40 CFR 60 Subpart KKK - Natural Gas Processing Plant NSPS.

This subpart is not applicable because this station is not a processing site engaged in extracting liquids from natural gas.

Natural gas processing plant (gas plant) means any processing site engaged in the extraction of natural gas liquids from field gas, fractionation of mixed natural gas liquids to natural gas products, or both.

40 CFR 60 Subpart K, Ka, Kb - Storage Vessel NSPS.

There are no applicable requirements for tanks because there is no tank equal to or greater than 20,000 gallons.

40 CFR 63 Subpart HH - National Emission Standards for Hazardous Air Pollutants From Oil and Natural Gas Production Facilities.

This subpart is not applicable at this facility because it does not operate a TEG dehydration unit.

40 CFR 63 HHH - National Emission Standards for Hazardous Air Pollutants from Natural Gas Transmission and Storage Facilities.

This subpart is related to Natural Gas Transmission Facilities which are major sources of HAPs. This federal regulation is not applicable since this facility is not a transmission facility nor is it a major source.

40 CFR 63 Subpart DDDDD - Boilers & Process Heaters Located at Major Sources of HAPs.

This subpart is not applicable because there are no boilers or process heaters at this facility nor is it a major source of HAPs.

40 CFR 63 Subpart JJJJJ - Boilers & Process Heaters Located at Area Sources of HAPs.

This subpart is not applicable because there are no boilers or process heaters at this facility.

40 CFR 82 Subpart F - Ozone Depleting Substances.

The purpose of this subpart is to reduce emissions of class I and class II refrigerants and their substitutes. The facility does not utilize class I and class II refrigerants and their substitutes.

40 CFR 98 Subpart C - General Stationary Fuel Combustion Sources.

This facility has stationary fuel combustion sources that combust gaseous fuel for the purpose of providing electrical energy for industrial use. However, this facility does not have an aggregate maximum heat input capacity of the stationary combustion units greater than 30 mmBtu/hr. The facility will emit less than 25,000 metric tons CO_2e per year.

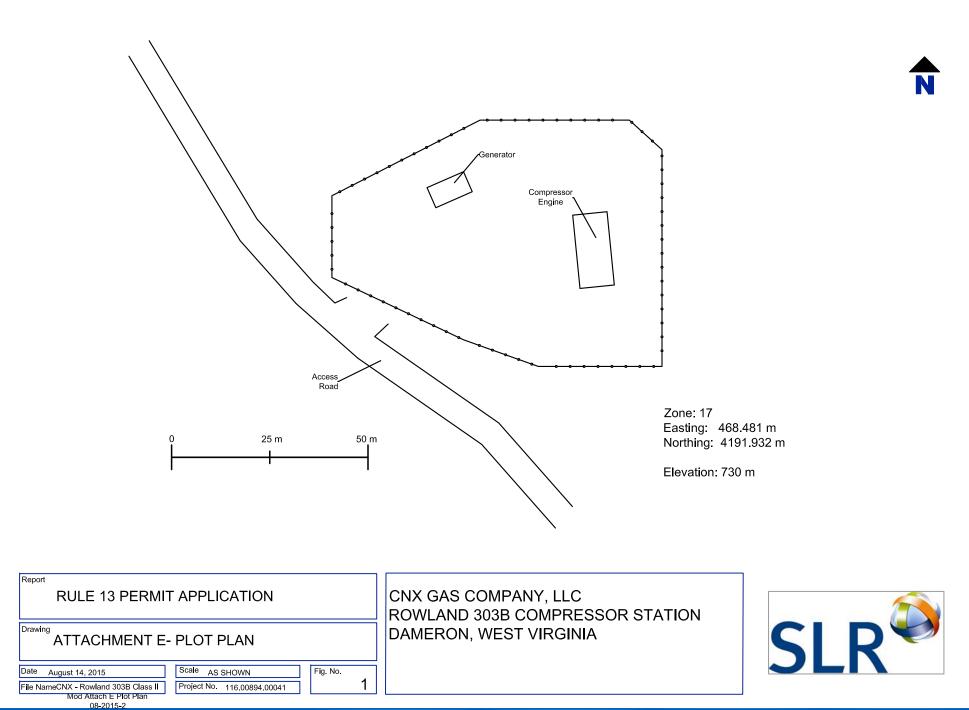
ATTACHMENT E

PLOT PLAN

Rule 13 Permit Application

Rowland 303B Compressor Station, R13-3030B Dameron, West Virginia

CNX Gas Company, LLC 1000 Consol Energy Drive Canonsburg, Pennsylvania



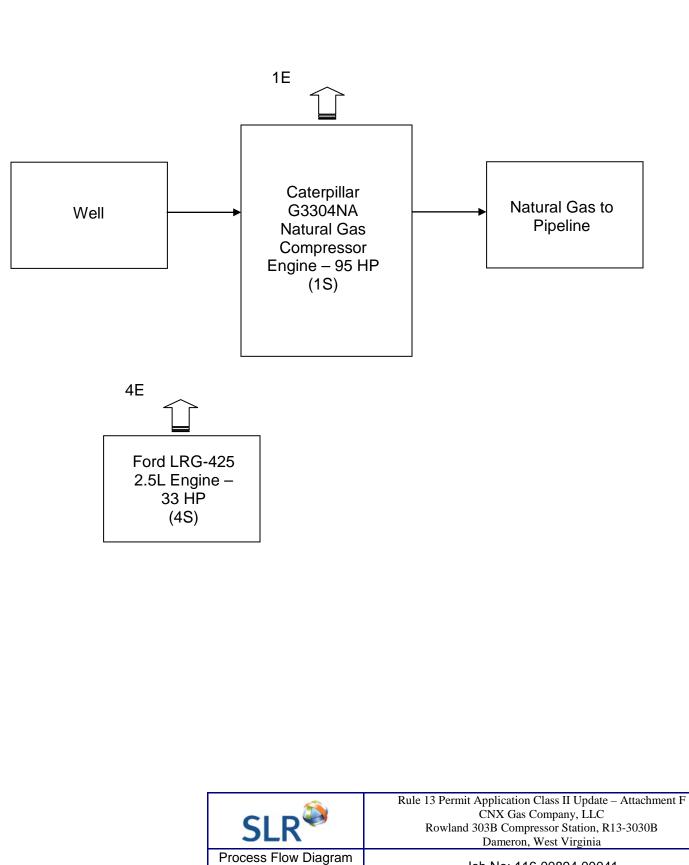
ATTACHMENT F

PROCESS FLOW DIAGRAM

Rule 13 Permit Application

Rowland 303B Compressor Station, R13-3030B Dameron, West Virginia

CNX Gas Company, LLC 1000 Consol Energy Drive Canonsburg, Pennsylvania



09/23/2015

Job No: 116.00894.00041

ATTACHMENT G

PROCESS DESCRIPTION

Rule 13 Permit Application

Rowland 303B Compressor Station, R13-3030B Dameron, West Virginia

CNX Gas Company, LLC 1000 Consol Energy Drive Canonsburg, Pennsylvania

The Rowland 303B Compressor Station is an existing facility that operates under permit R13-3030A.

Change in Process

A 2.5L Ford LRG-425 natural gas-fired engine is proposed to replace the 4.2L Ford ESG-642 (3s) natural gas-fired engine which powers the Olympia G30F3 generator. The generator will continue supplying prime power for down-hole, dewatering pumps in the natural gas well.

Description of Process

Natural gas enters the facility via a gathering pipeline that collects field gas from area wells as well as from an onsite well. The gas pressure is boosted onsite using a Caterpillar G3304NA (1S) natural gas-fired compressor. This (1S) 95 Hp compressor was installed in 2013 under the R13-3030A permit approved on April 29, 2013. The gas pressure is boosted from 0.5 PSIG to 70 PSIG and sent off site.

The site utilizes two 210 bbl produced water storage vessels and two 500 gal lube oil tanks, all of which were installed in 2007 and approved by the previously referenced Rule 13 permit on April 29, 2013.

ATTACHMENT H

MATERIAL SAFETY DATA SHEETS (MSDS)

Rule 13 Permit Application

Rowland 303B Compressor Station, R13-3030B Dameron, West Virginia

CNX Gas Company, LLC 1000 Consol Energy Drive Canonsburg, Pennsylvania

MATERIAL SAFETY DATA SHEET

			the second s
Ē	Product	Name :	Proce
	Product		None

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seed Natural Gas

Page 1 of 8

1. CHEMICAL PROPUCT AND COMPANY IDERTIFICATION

Product Name: Processed Natural Gas Product Code: None Synonyms: Dry Gas Generic Name: Natural Gas Chemical Family: Paraffin hydrocarbon

Responsible Party: Unocal Corporation Union Oil Company of California 14141 Southwest Freeway Sugar Land, Texas 77478

For further information contact MSDS Coordinator 8am - 4pm Central Time, Mon - Fri: 281-287-5310

EMERGENCY OVERVIEW

24 Hour Emergency Telephone Numbers:

For Chemical Emergencies: Spill, Leak, Fire or Accident Call CHEMTREC North America: (800)424-9300 Others: (703)527-3887(collect) For Health Emergencies: California Poison Control System (800) 356-3129

Realth Hamards: Use with adequate ventilation.

Physical Hazards: Flammable gas. Can cause flash fire. Gas displaces oxygen available for breathing. Keep away from heat, sparks, flames, or other sources of ignition (e.g., static electricity, pilot lights, mechanical/electrical equipment). Do not enter storage areas or confined space unless adequately ventilated.

- < Physical Form: Gas
- < Appearance: Colorless
- < Odor: Odorless in the absence of H2S or mercaptans

NFPA HAZARD CLASS: Health: 1 (Slight) Flammability: 4 (Extreme) Reactivity: 0 (Least)

Issue Date: 03/18/03 Revised Sections: 1, 3 Status: Final Revised

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UMOCA	1.1

Product Name:	Frocessed Natural Gas					1
Product Code:	Nons	Page	2	of	8	10 + m

2. COMPOSITION/INFORMATION ON INGREDIENTS

HAZARDOUS COMPONENTS	* Weight	EXPOSURE GUIDELINE			
		Limits	Agency	<u>Type</u>	
Methane CAS非 74-82-8	98	1000 ppm	MSHA	twa	
Carbon Dioxide CAS# 124-38-9	0-5	30000 ppm 5000 ppm 5000 ppm 5000 ppm	ACGIH ACGIH OSHA MSHA Cal.OSHA Cal.OSHA	twa Twa Twa	
Nitrogen CAS# 7727-37-9	0-5	1.000 ppm	MSHA	TWA	
Ethane CAS# 74-84-0	1	1000 ppm	MSHA	TWA	

Note: State, local or other agencies or advisory groups may have established more stringent limits. Consult an industrial hygicalist or similar professional, or your local agencies, for further information.

3. HAZARDS IDENTIFICATION

POTENTIAL HEALTH EFFECTS:

Eye: Not expected to be an eye irritant.

skin: Skin contact is unlikely. Skin absorption is unlikely.

Inhelation (Breaching): Asphyxiant. High concentrations in confined spaces may limit oxygen available for breathing.

Ingestion (Swallowing): This material is a gas under normal atmospheric conditions and ingestion is unlikely.

Signs and Symptoms: Light hydrocarbon gases are simple asphysiants which, at high enough concentrations, can reduce the amount of oxygen available for breathing. Symptoms of overexposure can include shortness of breath, drowsiness, headaches, confusion,

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Issue Date: 03/18/03 Revised Sections: 1, 3 Status: Final Revised

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Pro	oduct	Name:	Processed	Matural	Gas					
Pre	aduct	Code:	None			 Page	3	ož	8	1

decreased coordination, visual disturbances and vomiting, and are reversible if exposure is stopped. Continued exposure can lead to hypoxia (inadequate oxygen), cyanosis (bluish discoloration of the skin), numbress of the extremities, unconsciousness and death. High concentrations of carbon dioxide can increase heart rate and blood pressure.

Cancer: No data available.

Target Organs: No data available.

Developmental: Limited data - See Other Comments, below.

Other Comments: High concentrations may reduce the amount of oxygen available for breathing, especially in confined spaces. Hypoxia (inadequate oxygen) and respiratory acidosis (increased carbon dioxide in blood), during pregnancy may have adverse effects on the developing fetus. Exposure during pregnancy to high concentrations of carbon monoxide, which is produced during the combustion of hydrocarbon gases, can also cause harm to the developing fetus.

Pre-Existing Medical Conditions: None known.

4. FIRST AID MEASURES

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- Eye: If irritation or redness develops, move victim away from exposure and into fresh air. Flush eyes with clean water. If symptoms persist, seek medical attention.
- Skin: First aid is not normally required. However, it is good practice to wash any chemical from the skin.
- Inhalation (Breathing): If respiratory symptoms develop, move victim away from source of exposure and into fresh air. If symptoms persist, seek medical attention. If victim is not breathing, immediately begin artificial respiration. If breathing difficulties develop, oxygen should be administered by qualified personnel. Seek immediate medical attention.

Ingestion (Swallowing): This material is a gas under normal atmospheric conditions and ingestion is unlikely.

Tesue Date: 03/18/03	Status: Final Revised
Revised Sections: 1, 3	

	UNO	<u>12.1.</u>			
Product Name:	Processed Natur	al Gas			
Product Code:	Nons		Page	6 OE 8	
					۲
5. FIRE FIGHTING	MURSURVE				1. Pr. 10
		an an taith an an an ann an an an ann an an an an a			
Fishmable Sacper	osha fla Lel / U	Dint: Not applicable ammability Class: Fi EL: No data tion Temperature: 8	lammable gas		

Unusual Fire & Explosion Hazards: This material is flammable and may be ignited by heat, sparks, flames, or other sources of ignition (e.g., static electricity, pilot lights, or mechanical/electrical equipment). Vapors may travel considerable distances to a source of ignition where they can ignite, flashback, or explode. May create vapor/air explosion hazard indoors, outdoors, or in sewers. If container is not properly cooled, it can rupture in the heat of a fire. Closed containers exposed t extreme heat can rupture due to pressure buildup.

Extinguishing Media: Dry chemical or carbon dioxide is recommended. Carbon dioxide can displace oxygen. Use caution when applying carbon dioxide in confined spaces.

Fire Fighting Instructions: For fires beyond the incipient stage, emergency responders in the immediate hazard area should wear bunker gear. When the potential chemical hazard is unknown, in enclosed or confined spaces, or when explicitly required by DOT, a self-contained breathing apparatus should be worn. In addition, wear other appropriate protective equipment as conditions warrant (see Section 8). Isolate immediate hazard area, keep unauthorized personnel out. Stop spill/release if it can be done with minimal risk. If this cannot be done, allow fire to burn. Move undamaged containers from immediate hazard area if it can be done with minimal risk. Stay away from ends of container. Water spray may be useful in minimizing or dispersing vapors. Cool equipment exposed to fire with water, if it can be done with minimal risk.

6. ACCIDENTAL RELEASE MEASURES

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Flammable. Keep all sources of ignition and hot metal surfaces away from spill/release. The use of explosion-proof equipment is recommended. Stay upwind and away from spill/release. Notify persons down wind of spill/release, isolate immediate hazard area and keep unauthorized personnel out. Stop spill/release if it can be done with

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Product Name:	Processed Natural Gas	
Product Code:	None	Page 5 of 8

minimal risk. Wear appropriate protective equipment including respiratory protection as conditions warrant (see Section 8). Notify fire authorities and appropriate federal, state, and local agencies. Water spray may be useful in minimizing or dispersing vapors (see Section 5).

7. HANDLING AND STORAGE

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Handling: The use of explosion-proof equipment is recommended and may be required (see appropriate fire codes). Do not enter confined spaces such as tanks or pits without following proper entry procedures such as ASTM D-4276 and 29CFR 1910.146. The use of appropriate respiratory protection is advised when concentrations exceed any established exposure limits (see Section 2 and 8). Use good personal hygiene practice.

Storage: Keep container(s) tightly closed. Use and store this material in cool, dry, well-ventilated areas away from heat, direct sunlight, hot metal surfaces, and all sources of ignition. Post area "No Smoking or Open Flame." Store only in approved containers. Keep away from any incompatible material (see Section 10). Protect container(s) against physical damage. Outdoor or detached storage is preferred.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering controls: If current ventilation practices are not adequate to maintain airborne concentrations below the established exposure limits (see Section 2), additional ventilation or exhaust systems may be required. Where explosive mixtures may be present, electrical systems safe for such locations must be used (see appropriate electrical codes).

Personal Protective Equipment (PPE):

Respiratory: Wear a positive pressure air supplied respirator in oxygen deficient environments (oxygen content <19.5%). A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

Skin: Not required based on the hazards of the material. However, it is considered good practice to wear gloves when handling chemicals.

Issue Date: 03/18/03	Status: Final Revised
Revised Sections: 1, 3	

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Product J	Name ;	Processed	Natural	Cas			
Preduct (Code:	None			Page	6 02	8

- Eye/Face: While contact with this material is not expected to cause irritation, the use of approved eye protection to safeguard against potential eye contact is considered good practice.
- Other Protective Equipment: A source of clean water should be available in the work area for flushing eyes and skin. Impervious clothing should be worn as needed. Self-contained respirators should be available for non-routine and emergency situations.

9. PHYSICAL AND CHEMICAL PROPERTIES

Note: Unless otherwise stated, values are determined at 20°C (65°F) and 760 mm Hg (1 atm).

Flash Point: Not applicable (gas)
Flammable/Explosive Limits (%): No data
Autoignition Temperature: 800-1000°F
Appearance: Colorless
Physical State: Gas
Odor: Odorless in the absence of H2S or mercaptans
Vapor Pressure (mm Hg): No data
Vapor Density (air=1): <1
Boiling Point: -259°F
Freezing/Melting Point: No data
Solubility in Water: Slight
Specific Gravity: 0.30+ (Air=1)
Percent Volatile: 100 vol.%
Evaporation Rate (nBuAc=1): N/A (Gas)</pre>

10. STABILITY AND REACTIVITY

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Chemical Stability: Stable under normal conditions of storage and handling.

Conditions To Evoid: Avoid all possible sources of ignition (see Sections 5 & 7).

Incompatible Materials: Avoid contact with strong oxidizing agents.

Hazardous Decomposition Products: Combustion can yield carbon dioxide and carbon monoxide.

Issue Date: 03/18/03 Revised Sections: 1, 3

Status: Final Revised

Page 31 of 63

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	Product	Name :	Processed	Natural	Gas	
ĺ	Product	Code:	None			
						· · · · · · · · · · · · · · · · · · ·

Page 7 of 6

Basardous Folymerization: Will not occur.

11. BOXICOLOGICAL INFORMATION

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No definitive information available on carcinogenicity, mutagenicity, target organs or developmental toxicity.

12. DISPOSAL CONSEDERATIONS

This material, if discarded as produced, would be a RCRA "characteristic" hazardous waste due to the characteristic(s) of ignitability (D001). If the material is spilled to soil or water, characteristic testing of the contaminated materials is recommended. Further, this material is subject to the land disposal restriction in 40 CFR 268.40 and may require treatment prior to disposal to meet specific standards. Consult state and local regulations to determine whether they are more stringent than the federal requirements.

Container contents should be completely used and containers should be emptied prior to discard. Container rinsate could be considered a RCRA hazardous waste and must be disposed of with care and in full compliance with federal, state and local regulations. Larger empty containers, such as drums, should be returned to the distributor or to a drum reconditioner. To assure proper disposal of smaller empty containers, consult with state and local regulations and disposal authorities.

13. TRANSPORT INFORMATION

DOT Proper Shipping Name / Technical Name: Hydrocarbon Gas, Liquified N.O.S. (Methane) Hazard Class or Division: 2.1 ID #: UN1965

14. REGULATORY INFORMATION

This material contains the following chemicals subject to the reporting requirements of SANA 313 and 40 CFR 372:

--None--Warning: This material contains the following chemicals which are known to the State of California to cause cancer, birth defects or

Issue Date: 03/18/03 Rovised Sections: 1, 3

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Status: Final Revised

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Product Name:	Processed Natural Gas	Demo	0	-6	io.	and the second
Product Code:	None	Page	0	OF	0	£

other reproductive harm, and are subject to the requirements of California Proposition 65 (CA Health & Safety Code Section 25249.5):

--None Known--

This material has not been identified as a carcinogen by NTP, LARC, or OSHA.

SPA (CERCLA) Reportable Quantity: --None--

15. BOCTARMEARY INFORMATION

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Issue Date: 03/19/03 Previous Issue Date: 11/29/99 Product Code: None Previous Product Code: None

1.6. DISCLAIMER OF ENERESSED AND IMPLIED WAREAUTIES

The information in this document is believed to be correct as of the date issued. HOWEVER, NO WARRANTY OF MERCHANTABILITY, FITNESS FOR ANY PARTICULAR PURPOSE, OR ANY OTHER WARRANTY IS EXPRESSED OR IS TO BE IMPLIED REGARDING THE ACCURACY OR COMPLETENESS OF THIS INFORMATION, THE RESULTS TO BE OBTAINED FROM THE USE OF THIS INFORMATION OR THE PRODUCT, THE SAFETY OF THIS PRODUCT, OR THE EAZARDS RELATED TO ITS USE. This information and product are furnished on the condition that the person receiving them shall make his own determination as to the suitability of the product for his particular purpose and on the condition that he assume the risk of his use thereof.

Issue Date: 03/18/03 Newised Sections: 1, 3 Status: Final Revised

ATTACHMENT I

EMISSION UNITS TABLE

Rule 13 Permit Application

Rowland 303B Compressor Station, R13-3030B Dameron, West Virginia

CNX Gas Company, LLC 1000 Consol Energy Drive Canonsburg, Pennsylvania

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)

Unit ID ¹	Point ID ²		Modified	Design Capacity	Type ³ and Date of Change	Control Device 4
4S	4E	Electrical Generator, Ford LRG 425	ASAP	33 HP	New	NA
3S	3E	Electrical Generator, Ford LRG-642	2014	59.4 HP	Removal	NA
For Emissic	on Units (or <u>S</u> o	purces) use the following numbering system:1 the following numbering system:1E, 2E, 3E, .	IS, 2S, 3S, or other a	appropriate desig	nation.	

ATTACHMENT J

EMISSION POINTS DATA SUMMARY SHEETS

Rule 13 Permit Application

Rowland 303B Compressor Station, R13-3030B Dameron, West Virginia

CNX Gas Company, LLC 1000 Consol Energy Drive Canonsburg, Pennsylvania

Attachment J EMISSION POINTS DATA SUMMARY SHEET

						Т	able 1	: Emissions	Data						
Emissio n Point ID No. (Must match Emissio n Units	Emission Point Type ¹	Throu (Must I	on Unit Vented gh This Point match Emission able & Plot Plan)	Control (Must Emissio Table	Illution Device match on Units & Plot an)	Emissi <i>(che</i>	ime for on Unit mical ses only)	All Regulated Pollutants - Chemical Name/CAS ³ (Speciate	Maximum Potential Uncontrolled Emissions ⁴		Cont	n Potential rolled sions ⁵	ed Form or Phase (At exit condition		Emission Concentration ⁷ (ppmv or mg/m ⁴)
Table-& Plot Plan)		ID No.	Source	ID No.	Device Type	Short Term ²	Max (hr/yr)	VOCs & HAPS)	lb/hr	ton/yr	lb/hr	ton/yr	s, Solid, Liquid or Gas/Vap or)		
4E	Vertical stack	4S	Generator Engine 2.5L	NA	NA	С	8760	PM SO ₂ NO _X CO VOC CO ₂ e Benzene Ethylbenzene Toluene Xylenes Formaldehyde	0.0024 0.0002 0.4449 2.0941 0.0076 30.0762 0.0004 <0.0001 0.0001 0.0001 0.0053	0.0107 0.0007 1.9485 9.1722 0.0333 131.7339 0.0018 <0.0001 0.0006 0.0002 0.0231	0.0024 0.0002 0.4449 2.0941 0.0076 30.0762 0.0004 <0.0001 0.0001 0.0001 0.00053	0.0107 0.0007 1.9485 9.1722 0.0333 131.7339 0.0018 <0.0001 0.0006 0.0002 0.0231	Gas/ vapor	EE	Will Provide 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).

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.

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).

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: Rele	ease Paramet	er Data			
Emission	Inner		Exit Gas		Emission Point Ele	evation (ft)	UTM Coordinat	es (km)
Point ID No. (Must match Emission Units Table)	Diameter (ft.)	Temp. (°F)	Volumetric Flow ¹ (acfm) at operating conditions	Velocity (fps)	Ground Level (Height above mean sea level)	Stack Height ² (Release height of emissions above ground level)	Northing	Easting
3E	0.5	1058	131	11.14	2398 ft.	47.4 in.	4191.932	468.481

¹Give at operating conditions. Include inerts. ²Release height of emissions above ground level.

ATTACHMENT K

FUGITIVE EMISSIONS DATA SUMMARY SHEET

Rule 13 Permit Application

Rowland 303B Compressor Station, R13-3030B Dameron, West Virginia

> CNX Gas Company, LLC 1000 Consol Energy Drive Canonsburg, Pennsylvania

Attachment K

FUGITIVE EMISSIONS DATA SUMMARY SHEET

The FUGITIVE EMISSIONS SUMMARY SHEET provides a summation of fugitive emissions. Fugitive emissions are those emissions which could not reasonably pass through a stack, chimney, vent or other functionally equivalent opening. Note that uncaptured process 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).

	APPLICATION FORMS CHECKLIST - FUGITIVE EMISSIONS
1.)	Will there be haul road activities?
	□ Yes
	If YES, then complete the HAUL ROAD EMISSIONS UNIT DATA SHEET.
2.)	Will there be Storage Piles?
	□ Yes
	☐ If YES, complete Table 1 of the NONMETALLIC MINERALS PROCESSING EMISSIONS UNIT DATA SHEET.
3.)	Will there be Liquid Loading/Unloading Operations?
	□ Yes
	If YES, complete the BULK LIQUID TRANSFER OPERATIONS EMISSIONS UNIT DATA SHEET.
4.)	Will there be emissions of air pollutants from Wastewater Treatment Evaporation?
	□ Yes
	If YES, complete the GENERAL EMISSIONS UNIT DATA SHEET.
5.)	Will there be Equipment Leaks (e.g. leaks from pumps, compressors, in-line process valves, pressure relief devices, open-ended valves, sampling connections, flanges, agitators, cooling towers, etc.)?
	⊠ Yes □ No
	☑ If YES, complete the LEAK SOURCE DATA SHEET section of the CHEMICAL PROCESSES EMISSIONS UNIT DATA SHEET.
6.)	Will there be General Clean-up VOC Operations?
	□ Yes
	If YES, complete the GENERAL EMISSIONS UNIT DATA SHEET.
7.)	Will there be any other activities that generate fugitive emissions?
	□ Yes
	If YES, complete the GENERAL EMISSIONS UNIT DATA SHEET or the most appropriate form.
	bu answered "NO" to all of the items above, it is not necessary to complete the following table, "Fugitive Emissions nmary."

FUGITIVE EMISSIONS SUMMARY	All Regulated Pollutants ⁻ Chemical Name/CAS ¹	Maximum Uncontrolled		Maximum P Controlled Em	otential hissions ³	Est. Method
		lb/hr	ton/yr	lb/hr	ton/yr	Used ⁴
Haul Road/Road Dust Emissions Paved Haul Roads	NA	NA	NA	NA	NA	NA
Unpaved Haul Roads	NA	NA	NA	NA	NA	NA
Storage Pile Emissions	NA	NA	NA	NA	NA	NA
Loading/Unloading Operations	NA	NA	NA	NA	NA	NA
Wastewater Treatment Evaporation & Operations	NA	NA	NA	NA	NA	NA
Equipment Leaks	VOCs CO ₂ e	0.0076 30.077	0.0333 131.7334	0.0076 30.077	0.0333 131.7334	EE
General Clean-up VOC Emissions	NA	NA	NA	NA	NA	NA
Other	NA	NA	NA	NA	NA	NA

¹ 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.

² Give 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).
 ³ Give 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).

⁴ 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).

ATTACHMENT L

EMISSION UNIT DATA SHEET

Rule 13 Permit Application

Rowland 303B Compressor Station, R13-3030B Dameron, West Virginia

CNX Gas Company, LLC 1000 Consol Energy Drive Canonsburg, Pennsylvania

	Source Identification Number ¹		GE-2		4S
	Engine Manufacturer and Model	Ford E	SG-642 4.2L	Ford LF	RG-425 2.5L
	Manufacturer's Rated bhp/rpm	59.4 bhp	hp @ 1800 RPM 33 bhp RS	2 1800 RPM	
	Source Status ²		RS		NS
	Date Installed/Modified/Removed ³		ASAP	A	SAP
	Engine Manufactured/Reconstruction Date ⁴	1			1-2006
Is this a Certified Sta	ationary Spark Ignition Engine according to 40CFR60 Subpart JJJJ? (Yes or No) ⁵		No		No
	Engine Type ⁶		RB4S	F	RB4S
	APCD Type ⁷		A/F		A/F
	Fuel Type ⁸		PQ		PQ
Engine, Fuel and	H ₂ S (gr/100 scf)		0.25		0.25
Combustion	Operating bhp/rpm	9	4/1800	33	8/1800
Data	BSFC (Btu/bhp-hr)		9265	-	7789
	Fuel throughput (ft ³ /hr)		440		252
	Fuel throughput (MMft ³ /yr)		3.85		2.21
	Operation (hrs/yr)		8760		8760
Reference ⁹	Potential Emissions ¹⁰	lbs/hr	tons/yr	lbs/hr	tons/yr
MD	NO _X	0.3929	1.7210	0.4449	1.9485
MD	СО	4.8459	21.2251	2.0941	9.1722
MD	VOC	0.3929	1.7210	0.0076	0.0333
AP	SO ₂	0.0002	0.0010	0.0002	0.0007
AP	PM ₁₀	0.0038	0.0165	0.0024	0.0107
AP	PM2.5	0.0038	0.0165	0.0024	0.0107
AP	Formaldehyde	0.0081	0.0356	0.0053	0.0231

NATURAL GAS COMPRESSOR/GENERATOR ENGINE DATA SHEET

- 1. Enter the appropriate Source Identification Number for each natural gas-fueled reciprocating internal combustion compressor/generator engine located at the compressor station. Multiple compressor engines should be designated CE-1, CE-2, CE-3 etc. Generator engines should be designated GE-1, GE-2, GE-3 etc. If more than three (3) engines exist, please use additional sheets.
- 2. Enter the Source Status using the following codes:
 - NS Construction of New Source (installation) ES Existing Source
 - MS Modification of Existing Source RS Removal of Source
- 3. Enter the date (or anticipated date) of the engine's installation (construction of source), modification or removal.
- 4. Enter the date that the engine was manufactured, modified or reconstructed.
- 5. Is the engine a certified stationary spark ignition internal combustion engine according to 40CFR60 Subpart JJJJ. If so, the engine and control device must be operated and maintained in accordance with the manufacturer's emission-related written instructions. You must keep records of conducted maintenance to demonstrate compliance, but no performance testing is required. If the certified engine is not operated and maintained in accordance with the manufacturer's emission-related written instructions, the engine will be considered a non-certified engine and you must demonstrate compliance according to 40CFR§60.4243a(2)(i) through (iii), as appropriate.

Provide a manufacturer's data sheet for all engines being registered.

6. Enter the Engine Type designation(s) using the following codes:

GRI-HAPCalcTM

GR

	LB2S	Lean Burn Two Stroke	RB4S	R	ich Burn Four Stroke
	LB4S	Lean Burn Four Stroke			
7.	Enter the A	Air Pollution Control Device (APCD) type designation	on(s) usi	ing	the following codes:
	A/F	Air/Fuel Ratio	IR		Ignition Retard
	HEIS	High Energy Ignition System	SIF	PC	Screw-in Precombustion Chambers
	PSC	Prestratified Charge	LE	EC	Low Emission Combustion
	NSCR	Rich Burn & Non-Selective Catalytic Reduction	SC	CR	Lean Burn & Selective Catalytic Reduction
8.	Enter the F	Fuel Type using the following codes:			
	PQ	Pipeline Quality Natural Gas	RG	3	Raw Natural Gas
9.	Enter the P	Potential Emissions Data Reference designation using	g the fol	llov	ving codes. Attach all referenced data to this Compressor/Generator Data Sheet(s).
	MD	Manufacturer's Data	AP	5	AP-42

10. Enter each engine's Potential to Emit (PTE) for the listed regulated pollutants in pounds per hour and tons per year. PTE shall be calculated at manufacturer's rated brake horsepower and may reflect reduction efficiencies of listed Air Pollution Control Devices. Emergency generator engines may use 500 hours of operation when calculating PTE. PTE data from this data sheet shall be incorporated in the *Emissions Summary Sheet*.

Other ____

(please list)

OT

ATTACHMENT M

NOT APPLICABLE (SEE NOTE)

Note: There is no control equipment on the modified piece of equipment.

Rule 13 Permit Application

Rowland 303B Compressor Station, R13-3030B Dameron, West Virginia

> CNX Gas Company, LLC 1000 Consol Energy Drive Canonsburg, Pennsylvania

ATTACHMENT N

SUPPORTING EMISSIONS CALCULATIONS

Rule 13 Permit Application

Rowland 303B Compressor Station, R13-3030B Dameron, West Virginia

CNX Gas Company, LLC 1000 Consol Energy Drive Canonsburg, Pennsylvania

	Table 1. Criteria Pollutant Potential to Emit ComparisonCNX Gas Company, LLC - Rowland 303B Compressor Station													
				SED EMIS	SSION SUM	MARY FOR			•		DIFICATIO	N		
			Poter	ntial Emiss	sions (lbs/hi	r)				Potenti	ial Emissior	ns (tons/y	r)	
Source Name & Emission Point ID.	$\begin{array}{ c c c c c c c c c c c c c c c c c c c$													
Ford LRG - 425 2.5 L	0.4449	2.0941	0.0076	0.0002	0.0024	0.0024	30.0762	1.9485	9.1722	0.0333	0.0007	0.0107	0.0107	131.7339
EMISSION SUMMARY FOR CRITERIA POLLUTANTS BEFORE MODIFICATION Potential Emissions (lbs/hr) Potential Emissions (tons/yr)														
		EMI					IA POLL	UTAN ⁻	TS BEF				r)	
Source Name & Emission Point ID.	NO _x	со					CO2e	NO _x	CO				r) PM _{2.5}	CO₂e
Name & Emission	NO _X 0.3929		Poter	ntial Emis:	sions (lbs/hi	r)				Potenti	ial Emissior	ns (tons/y	,	СО₂е 203.09
Name & Emission Point ID. Ford ESG642		со	Poter. VOC 0.3929	ntial Emiss SO₂ 0.0002	sions (Ibs/hi PM ₁₀ 0.0038 PROPOS	r) PM _{2.5} 0.0038 SED DIFF	CO₂e 46.3675	NO _X 1.7210	CO 21.2251	Potenti VOC 1.7210	SO₂ 0.0010	PM ₁₀ 0.0165	РМ _{2.5} 0.0165	-
Name & Emission Point ID. Ford ESG642	0.3929	CO 4.8459	Poter VOC 0.3929 Poter	so₂ 0.0002	sions (Ibs/hi PM ₁₀ 0.0038 PROPOS sions (Ibs/hi	r) PM _{2.5} 0.0038 SED DIFF	CO₂e 46.3675 ERENCE	NO _x 1.7210	CO 21.2251 MISSIC	Potenti VOC 1.7210 DNS Potenti	ial Emission SO ₂ 0.0010 ial Emission	PM ₁₀ 0.0165	PM _{2.5} 0.0165	203.09
Name & Emission Point ID. Ford ESG642		со	Poter. VOC 0.3929	ntial Emiss SO₂ 0.0002	sions (Ibs/hi PM ₁₀ 0.0038 PROPOS	r) PM _{2.5} 0.0038 SED DIFF	CO₂e 46.3675	NO _X 1.7210	CO 21.2251	Potenti VOC 1.7210	SO₂ 0.0010	PM ₁₀ 0.0165	РМ _{2.5} 0.0165	-

Table 2. Hazardous Air Pollutant (HAP) Potential to Emit Comparison CNX Gas Company, LLC - Rowland 303B Compressor Station													
PROPOSED EMISSION SUMMARY FOR HAPS AFTER MODIFICATION													
Source		Pot	tential Emi	ssions (Ibs	s/hr)			Pot	ential Emis	ssions (ton	s/yr)		Total
Name & Emission Point ID.	Benzene	Ethylbenzene	Toluene	Xylene	n-Hexane	Formaldehyde	Benzene	Ethylbenzene	Toluene	Xylene	n-Hexane	Formaldehyde	HAPs (tons/yr)
Ford LRG - 425 2.5 L	0.0004	0.0000	0.0001	0.0001	0.0000	0.0053	0.0018	0.0000	0.0006	0.0002	0.0000	0.0231	0.0257
			EM	ISSION	SUMMA	RY FOR H	IAPS BE		ODIFICA				
Source Name &		Poi	tential Emi	ssions (Ibs	s/hr)			Pot	ential Emis	ssions (ton	s/yr)		Total
Emission Point ID.	Benzene	Ethylbenzene	Toluene	Xylene	n-Hexane	Formaldehyde	Benzene	Ethylbenzene	Toluene	Xylene	n-Hexane	Formaldehyde	HAPs (tons/yr)
Ford ESG642 4.2 L	0.0006	0.0000	0.0002	0.0001	< 0.00000	0.0081	0.0027	0.0000	0.0010	0.0003	< 0.00000	0.0356	0.0396
PROPOSED DIFFERENCE OF EMISSIONS													
		Poi	tential Emi	ssions (lbs	s/hr)			Pot	ential Emis	ssions (ton	s/yr)		Total
	Benzene	Ethylbenzene	Toluene	Xylene	n-Hexane	Formaldehyde	Benzene	Ethylbenzene	Toluene	Xylene	n-Hexane	Formaldehyde	HAPs (tons/yr)
Total	-0.0002	0.0000	-0.0001	0.0000	0.0000	-0.0028	-0.0009	0.0000	-0.0004	-0.0001	0.0000	-0.0125	-0.0139

Table 3. Annual Potential To Emit (PTE) CNX Gas Company, LLC - Rowland 303B Compressor Station

			initioat i ag		115				
Source	РМ	PM10	PM2.5	SO2	NOx	со	voc	HAPs	CO2e
NG Generator	0.011	0.011	0.011	0.0007	1.95	9.17	0.03	0.11585	131.73
Total Emissions (ton/yr)	0.01	0.01	0.01	0.00	1.9	9	0.0	0.12	132
Total Emissions (lb/day)	0.06	0.06	0.06	0.00	11	50	0	0.63	722
Total Emissions (lb/hr)	0.00	0.00	0.00	0.000	0.44	2.1	0.0	0.03	30.1

PTE without Fugitive Emissions

	Н	AP PTE Sur	nmary		
Annual HAP PTE	Natural Gas Generator (ton/yr)	Total HAPs (ton/yr)	Total HAPs (Ib/yr)	Table 45- 13A Potential Emission Rates (Ib/yr)	Exceeds Threshold?
1,1,2,2-Tetrachloroethane	2.85E-05	2.85E-05	0.06		No
1,1,2-Trichloroethane	1.72E-05	1.72E-05	0.03		No
1,3-Butadiene	7.46E-04	7.46E-04	1.49		No
1,3-Dichloropropene	1.43E-05	1.43E-05	0.03		No
2-Methylnaphthalene		0.00E+00	0.00		No
2,2,4-Trimethylpentane		0.00E+00	0.00		No
Acetaldehyde	3.14E-03	3.14E-03	6.3		No
Acrolein	2.96E-03	2.96E-03	5.9		No
Arsenic		0.00E+00	0.00	200	No
Benzene	1.78E-03	1.78E-03	3.56	1000	No
Beryllium		0.00E+00	0.0000	0.8	No
Biphenyl	5.47E-05	5.47E-05	0.11		No
Cadmium		0.00E+00	0.00		No
Carbon Tetrachloride	1.99E-05	1.99E-05	0.04	1000	No
Chlorobenzene	1.45E-05	1.45E-05	0.03		No
Chloroform	1.54E-05	1.54E-05	0.03	1000	No
Chromium		0.00E+00	0.00		No
Cobalt		0.00E+00	0.000		No
Dichlorobenzene		0.00E+00	0.00		No
Ethylbenzene	2.79E-05	2.79E-05	0.06		No
Ethylene Dibromide	2.40E-05	2.40E-05	0.05		No
Formaldehyde	2.31E-02	2.31E-02	46	1000	No
Lead		0.00E+00	0.00	1200	No
Manganese		0.00E+00	0.00		No
Mercury		0.00E+00	0.00	200	No
Methanol	3.45E-03	3.45E-03	6.89		No
Methylene Chloride	4.64E-05	4.64E-05	0.09	5000	No
n-Hexane		0.00E+00	0.0		No
Naphthalene	1.09E-04	1.09E-04	0.22		No
Nickel		0.00E+00	0.00		No
PAH (POM)	1.59E-04	1.59E-04	0.32		No
Phenol		0.00E+00	0.00		No
Selenium		0.00E+00	0.00		No
Styrene	1.34E-05	1.34E-05	0.03		No
Tetrachloroethane		0.00E+00	0.00		No
Toluene	6.28E-04	6.28E-04	1.26		No
Vinyl Chloride	8.08E-06	8.08E-06	0.02	1000	No
Xylenes	2.20E-04	2.20E-04	0.44		No

Table 4. Natural Gas-Fired Generator EmissionsCNX Gas Company, LLC - Rowland 303B Compressor Station

Pollutant	Emission Factor		PTE (lb/hr)	PTE ^(a) (tons/yr)
Criteria Pollutants				
PM/PM10/PM2.5	9.50E-03 lb/MMBtu	(2)	0.002	0.011
		(2)		
SO ₂	5.88E-04 lb/MMBtu	(2)	0.000	0.001
NOx	8.20E+00 g/kw-hr	(1,7)	0.445	1.95
СО	3.86E+01 g/kw-hr	(1)	2.094	9.17
VOC	2.96E-02 lb/MMBtu	(2)	0.008	0.03
Hazardous Air Pollutants				
1,1,2,2-Tetrachloroethane	2.53E-05 lb/MMBtu	(2)	6.50E-06	2.85E-05
1,1,2-Trichloroethane	1.53E-05 lb/MMBtu	(2)	3.93E-06	1.72E-05
1,1-Dichloroethane	1.13E-05 lb/MMBtu	(2)	2.90E-06	1.27E-05
1,2-Dichloroethane	1.13E-05 lb/MMBtu	(2)	2.90E-06	1.27E-05
1,2- Dichloropropane	1.30E-05 lb/MMBtu	(2)	3.34E-06	1.46E-05
1,3-Butadiene	6.63E-04 lb/MMBtu	(2)	1.70E-04	7.46E-04
1,3-Dichloropropene	1.27E-05 lb/MMBtu	(2)	3.26E-06	1.43E-05
Acetaldehyde	2.79E-03 lb/MMBtu	(2)	7.17E-04	3.14E-03
Acrolein	2.63E-03 lb/MMBtu	(2)	6.76E-04	2.96E-03
Benzene	1.58E-03 lb/MMBtu	(2)	4.06E-04	1.78E-03
Butyr/isobutyraldehyde	4.86E-05 lb/MMBtu	(2)	1.25E-05	5.47E-05
Carbon Tetrachloride	1.77E-05 lb/MMBtu	(2)	4.55E-06	1.99E-05
Chlorobenzene	1.29E-05 lb/MMBtu	(2)	3.32E-06	1.45E-05
Chloroform	1.37E-05 lb/MMBtu	(2)	3.52E-06	1.54E-05
Ethane	7.04E-02 lb/MMBtu	(2)	1.81E-02	7.93E-02
Ethylbenzene	2.48E-05 lb/MMBtu	(2)	6.37E-06	2.79E-05
Ethylene Dibromide	2.13E-05 lb/MMBtu	(2)	5.47E-06	2.40E-05
Formaldehyde	2.05E-02 lb/MMBtu	(2)	5.27E-03	2.31E-02
Methanol	3.06E-03 lb/MMBtu	(2)	7.87E-04	3.45E-03
Methylene Chloride	4.12E-05 lb/MMBtu	(2)	1.06E-05	4.64E-05
Naphthalene	9.71E-05 lb/MMBtu	(2)	2.50E-05	1.09E-04
PAH (POM)	1.41E-04 lb/MMBtu	(2)	3.62E-05	1.59E-04
Styrene	1.19E-05 lb/MMBtu	(2)	3.06E-06	1.34E-05
Toluene	5.58E-04 lb/MMBtu	(2)	1.43E-04	6.28E-04
Vinyl Chloride	7.18E-06 lb/MMBtu	(2)	1.85E-06	8.08E-06
Xylenes	1.95E-04 lb/MMBtu	(2)	5.01E-05	2.20E-04
Total HAP	1.0E-01 Ib/MMBtu		0.026	0.11585

Table 4. Natural Gas-Fired Generator Emissions CNX Gas Company, LLC - Rowland 303B Compressor Station

Pollutant	Emission Factor PTE (lb/hr)			PTE ^(a) (tons/yr)	
Greenhouse Gas Emissions					
CO ₂	116.89	lb/MMBtu	(3)	3.00E+01	1.32E+02
CH ₄	2.2E-03	lb/MMBtu	(3)	5.67E-04	2.48E-03
N ₂ O	2.2E-04	lb/MMBtu	(3)	5.67E-05	2.48E-04
CO ₂ e ^(b)	-	-		30.1	131.73

Calculations:

(a) Annual emissions (tons/yr) = [Emission Factor (lbs/MMBtu)] x [Hours of Operation (hrs/yr)] x [BSFC (cf/hr)] x [1/Heat Content (Btu/scf)] / [1,000,000 (BTU/MMBtu)] / [2,000 lb/ton] x [Number of engines]

Annual emissions (tons/yr) = [Emission Factor (g/kW-hr)]x[Power Output (kW)] x [Hours of Operation (hrs/yr)] x [Number of engines]x[1.10231131x10^-6(ton/gram)]

	24.61	Power Output (kW) =
	33	Power Output (hp) =
	1	Number of Generators Operating at a Time =
(4)	252.00	Average BSFC (scf/hr) =
(5)	1,020.0	Heat Content Natural Gas(Btu/scf) =
	8,760	PTE Hours of Operation =

(b) CO_2 equivalent = [(CO_2 emissions)*(GWP_{CO2})]+[(CH_4 emissions)*(GWP_{CH4})]+[(N_2O emissions)*(GWP_{N2O})] Global Warming Potential (GWP)

CO ₂	1	(6)
CH_4	25	(6)
N ₂ O	298	(6)

Notes:

(1) Certified emission factors from Ford LRG-425 2.5L specification sheet.

(2) AP-42, Chapter 3.2, Table 3.2-3. Natural Gas-fired Reciprocating Engines (7/00). Uncontrolled Emission Factors for 4-Stroke Rich-Burn Engines.

(3) Emission factors are from 40 CFR 98, Subpart C, Table C-1 and C-2.

(4) Fuel consumption from manufacturer's specification sheet. Prime operation under 100% load.

(5) Gas heat content conversion factor from AP-42, Chapter 3.2.

(6) Current Global Warming Potentials obtained from 40 CFR 98, Subpart A, Table A-1

LRG-425 Base Industrial Engine Carbureted 2.5-Litre 4-Cylinder

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Powerful Performance from one source.



Power Products

LRG-425 Base Industrial Engine Carbureted 2.5-Litre **4-Cylinder**

Pa 24

Options: VPLIDDS Dy-Type Industrial Air Clearness Figmheels • 8.0° (2012 mm) Over-Center Dusch • 8.5° (215.9 mm) Spring-Leaded Catch • 9.0° (221.6 mm) Spring-Leaded Catch Figmheel Housings¹ • SAE 44 and 45 • SAE #4 and #5; • SHE H4 BID #3 • Automotive-Style Clutch Housing Power Tale-Off (PTU) • 9.07 (228,6 mm) Spring-Loaded Clutch Educest Manifolds Center Dump Side Rear Dump Down
 Power Steering Pump
 95 Amp Generator
 Engine Cooling Fans Engine Looting Fans • 16.5° (19)21 rmn) Diameter Suction • 16.0° (405 A mm) Diameter Pusher Dingtine Supports (Ruther Isotand Mounts) Bechanjic Control Modules (Refer to BPP 192-583) • Ignition Control Modules (CM): Wiring Hamesses • ICM Application Velocity Governor • vezony covenor • Mechanikal: Venetiki Speed or Constant Speed LRG-425 EFT Engine Also Available (Refer to FPP 192-530) Transmissions Accompanying transmissions are evailable for the LRG-425 through ford Power Products Emissions Information EPA and ARB emission-certified packages available. Contact FPP or local distributor for specific details.

1 Warranty Contact PPP or local distributor for warranty toms. St ; : J.

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i lite 1.16 . 12 Specifications Engine Type.....I-4 Displacement.2.5 Litre (153 CID) Net Weight DimensionsL 26.5" x W 21.4" x H 26.9" (672.5 mm x 542.4 mm x 682.8 mm) Gasoline (permeted per SAE 3 5996) Fuel Specification. RTAKI

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Rated Power @ 3600 RPM	Intermittent: 74 HP (55 kW)
	Continuous: 63 HP (47 KM)
Peak Torque @ 1600 RPM	Intermittent: 123 Ft. Lbs. (167 Nm)
	Continuous: 104 Fr. 1bs. (141 Mm)
Power @ 1800 RPM	Intermittent: 42 HP (31 kW)
	Continuous: 36 HP (27 kW)

Natural Gas (conserved per Site diales

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Fuel Specification Rated Power @ 3600 RPM	
Peak Torque @ 2600 RPM	Continuous: 63 HP (47 kW) Intermittent: 115 Ft. Lbs. (156 Nm)
Power @ 1800 RPM	Continuous: 98 Ft. Lbs, (133 Nm) Intermittent: 39 HP (29 kW) Continuous: 33 HP (25 kW)
Liquefied Petroleu	m Gas (corrected der SAE 31995)
Fuel Specification	HD-5

Peak Torque @ 1800 RPM	Continuous: 72 HP (54 kW) Intermittent: 133 Ft. Lbs. (180 Nm)
Power @ 1800 RPM	Continuous 113 Ft Lbc (153 Alm)

Standard Features/Benefits

Carbureted Downdraft Fuel System for optimized fuel distribution Cast from Cross Flow-Type Cylinder Heads offering excellent breathing characteristics, Increased performance and fuel economy for multi-fuel operation Cast from Cylinder Block with Full-Length Water Jackets resulting in long engine life Nodular Cast Bron Crankshaft is extremely rigid for increased durability • • Overhead Cainshaft with Roller Cam Followers for reduced friction and improved fuel efficiency Pressurfaced Lubricated Bearings and Tappets with oil mist and splash to cylinder walls and piston rings for maximum internal component lubrication Pressure-Type Bypass Circulation Cooling System for maximum cooling control Water Pump Delivery of 24.4 gal/min. (92.3 libre) at Pump RPM of 2800 ensures a generous protective engine cooling range

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LRG-425 Base Industrial Engine Carbureted

2.5-Litre 4-Cylinder

ENGINE		
Model: Ford	Bore;	3.74 in. (95 mm)
Type: 4 Cycle, In-line 4 Cylinder Spark-Ignited	Stroke	3.40 in. (86 mm)
Aspiration: Natural	Displacement:	
Compression Ratio: 9.4:1		and the second of the
Emission Control Device: None		
PERFORMANCE DATA	NATURAL GAS	PROPANE
BHP @ 1800 RPM (60 Hz)	32.5 25	KW 32.5
Fuel Consumption (scfh)	252	84
Air to Fuel Ratio	16.6	16
Exhaust Gas Flow (CFM)	210	210
Exhaust Gas Temperature (°F)	1170	1195
EXHAUST EMISSION DATA	(All Valu	les are Grams per KW-Hour)
COMPONENT	NATURAL GAS	PROPANE
HC (Total Unburned Hydrocarbons)	1.2 g/k	Whr 0.6
NOx (Oxides of Nitrogen as NO2)	8.2	12.9
CO (Carbon Monoxide)	38.6	0.0
PM10 (Particulate Matter)	negligible	nogligible

Data was recorded during steady-state rated engine speed (± 25 RPM) with rated load ($\pm 2\%$) Pressures, temperatures, and emission rates were stablized.

Fuel Specification:	
Natural Gas:	Natural Gas as received from Supplier.
Propane	Meets the requirements for Commercial Grade Propane under the ASTM D1835 Standard Specification for Liquefied Petroleum Gases.
Intake Air Temperature:	77 ±9°F
Barometric Pressure:	29.6 ± 1 in. Hg
Humidity:	NOx measurement corrected to 75 grains H2O/lb dry air
The data are subject to instrumentation	tabulated here were taken from a single engine under the test conditions shown above. n, and engine to engine variability. Engine operation with excessive d published maximum limits, or with improper maintenance, may result in elevated emission levels.

ATTACHMENT O

MONITORING/RECORDKEEPING/REPORTING/ TESTING PLANS

Rule 13 Permit Application

Rowland 303B Compressor Station, R13-3030B Dameron, West Virginia

> CNX Gas Company, LLC 1000 Consol Energy Drive Canonsburg, Pennsylvania

Monitoring

The company will at a minimum monitor hours of operation, throughputs, and planned and unplanned maintenance of permitted equipment comprising the facility.

Recordkeeping

The company will retain records for five (5) years. Records shall be kept in a readily accessible location, certified by a company official at such time that the DAQ may request said records.

The company will keep records of the items monitored, such as, station throughput, engine hours of operation, planned maintenance activities, unplanned maintenance activities, and complaints regarding the facility.

Reporting

At the Director or his/her duly authorized representative's request.

Testing

No testing is required.

ATTACHMENT P

PUBLIC NOTICE

Rule 13 Permit Application

Rowland 303B Compressor Station, R13-3030B Dameron, West Virginia

CNX Gas Company, LLC 1000 Consol Energy Drive Canonsburg, Pennsylvania

AIR QUALITY PERMIT NOTICE Notice of Application

Notice is given that CNX Gas Company LLC. has applied to the West Virginia Department of Environmental Protection, Division of Air Quality, for a Rule 13 Modification to the Rowland 303B natural gas compressor station located on Workman Creek Road, near Dameron, in Raleigh County, West Virginia. The latitude and longitude coordinates are: 37.94091 N and -81.35871 W.

The applicant estimates the increased new potential to discharge the following regulated air pollutants will be:

Pollutant	Tons/yr
NO _X	0.23

Start up of operation is scheduled to begin in October of 2015. 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 1227, during normal business hours.

Dated this the 29 day of Septembert, 2015.

By: CNX Gas Company, LLC. Patrick Flynn Air Quality Engineer 1000 Consol Energy Drive Canonsburg, PA 15321-6506

ATTACHMENT Q

NOT APPLICABLE (SEE NOTE)

Note: No information contained within this application is claimed confidential.

Rule 13 Permit Application

Rowland 303B Compressor Station, R13-3030B Dameron, West Virginia

> CNX Gas Company, LLC 1000 Consol Energy Drive Canonsburg, Pennsylvania

ATTACHMENT R

POWER OF ATTORNEY

Rule 13 Permit Application

Rowland 303B Compressor Station, R13-3030B Dameron, West Virginia

> CNX Gas Company, LLC 1000 Consol Energy Drive Canonsburg, Pennsylvania September 2015

ATTACHMENT S

NOT APPLICABLE (SEE NOTE)

Note: Not a Title V Permit Revision.

Rule 13 Permit Application

Rowland 303B Compressor Station, R13-3030B Dameron, West Virginia

> CNX Gas Company, LLC 1000 Consol Energy Drive Canonsburg, Pennsylvania

ATTACHMENT T

PERMIT APPLICATION FEE

Rule 13 Permit Application

Rowland 303B Compressor Station, R13-3030B Dameron, West Virginia

CNX Gas Company, LLC 1000 Consol Energy Drive Canonsburg, Pennsylvania