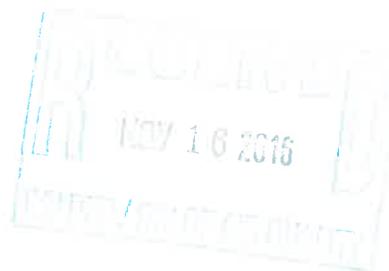


Columbia Pipeline Group
5151 San Felipe, Ste 2400, Houston, Texas, USA 77056
Tel: 713.386.3692 Cell: 832.954.4875
milipatel@cpq.com



November 14, 2016



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

Re: Columbia Gas Transmission, LLC (CGT)
Class I General Permit G65-C Registration Application
St. Albans Office

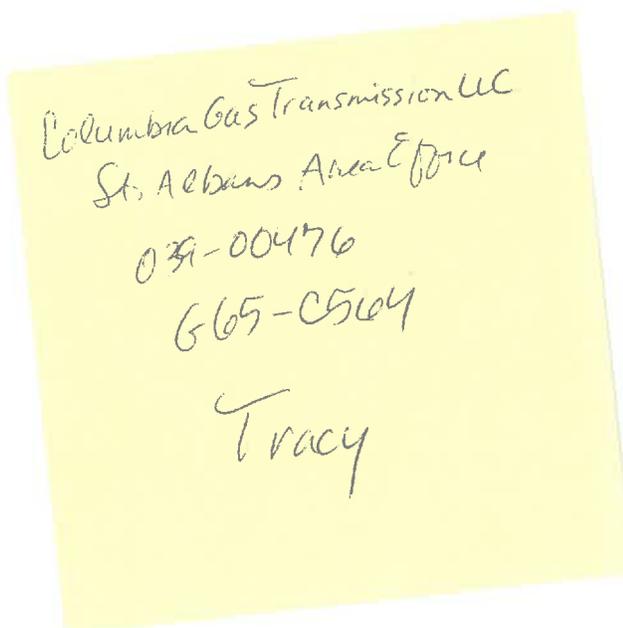
Dear Mr. Durham,

Attached is the re-submittal of the Class I General Permit G65-C Registration application for CGT's St. Albans office. The WVDEP had returned the application due to missing pages of the registration form. The referenced forms were inadvertently left out during the original submittal on October 24, 2016. Enclosed is the original application along with two copies as required.

Should you have any questions or require additional information, you may contact me at (713) 386-3692 or mili_patel@transcanada.com.

Sincerely,

Mili R. Patel
Senior Environmental Scientist/Engineer





west virginia department of environmental protection

Division of Air Quality
601 57th Street SE
Charleston, WV 25304
Telephone Number: (304) 926-0475
Fax Number: (304) 926-0479

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

November 1, 2016

Ms. Diana Phelps
Principle, Air Scientist/Engineer
5151 San Felipe, Ste 2400
Houston, TX 77056

RE: Application Status
Columbia Gas Transmission
St. Albans, West Virginia

Dear Ms. Phelps:

Your letter, signature page, and attachments for a Class I General Permit G65-C registration for the St. Albans office were received by this Division on October 28, 2016. The documents are being returned because the main form is missing. We are also returning Columbia Gas Transmission LLC's check number 0351169325, dated September 22, 2016, in the amount of \$250.00

Should you have any questions, please contact me at 304-926-0499, extension 1260.

Sincerely,

Beverly D. McKeone, P.E.
NSR Program Manager

BDM/sa

Enclosures

Columbia Pipeline Group
5151 San Felipe, Ste 2400, Houston, Texas, USA 77056
Tel: 713.3863427. dianaphelps@cpg.com



October 24, 2016

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

**RE: Class I General Permit G65-C Registration Application
Columbia Gas Transmission, LLC
St. Albans Office**

Dear Mr. Durham,

Attached is an application for a Class I General Permit G65-C registration for Columbia Gas Transmission's St. Albans office located in Kanawha County. The application is being submitted for the installation and operations of a new back up diesel emergency generator at the area office building. Columbia Gas Transmission's Clendenin office was impacted by the recent floods that occurred in the previous months in West Virginia. Columbia's backup gas control center was supported by the Clendenin office which was damaged by the flooding. As a result of the damage Columbia Gas Transmission is relocating the backup gas control center to its St. Albans office. The new diesel emergency generator will provide backup power during emergency incidents to ensure uninterrupted service of natural gas to Columbia's customers.

Air emissions associated with the emergency generator are less than 6 lbs/hr of any regulated pollutant, and no other sources of emissions are located at the site. Columbia Gas Transmission request the agency's consideration in expediting the permit registration. This application package includes the general permit registration forms, RO signatory page, all applicable attachments and a check in the amount of \$250.00 for application fees.

If you have any questions or require further information, please feel free to reach me at dianaphelps@cpg.com (713)-386-3427 or nickwilliams@cpg.com (304)712-8185.

Sincerely,

Diana Phelps
Principle, Air Scientist/Eng.



WEST VIRGINIA
 DEPARTMENT OF ENVIRONMENTAL PROTECTION
 DIVISION OF AIR QUALITY
 601 57th Street, SE
 Charleston, WV 25304
 Phone: (304) 926-0475 • www.dep.wv.gov/daq

APPLICATION FOR GENERAL PERMIT REGISTRATION
CONSTRUCT, MODIFY, RELOCATE OR ADMINISTRATIVELY UPDATE
A STATIONARY SOURCE OF AIR POLLUTANTS

CONSTRUCTION MODIFICATION RELOCATION CLASS I ADMINISTRATIVE UPDATE
 CLASS II ADMINISTRATIVE UPDATE

CHECK WHICH TYPE OF GENERAL PERMIT REGISTRATION YOU ARE APPLYING FOR:

- | | |
|--|--|
| G10-D – Coal Preparation and Handling | G40-C – Nonmetallic Minerals Processing |
| G20-B – Hot Mix Asphalt | G50-B – Concrete Batch |
| G30-D – Natural Gas Compressor Stations | G60-C - Class II Emergency Generator |
| G33-A – Spark Ignition Internal Combustion Engines | <input checked="" type="checkbox"/> G65-C – Class I Emergency Generator |
| G35-A – Natural Gas Compressor Stations (Flare/Glycol Dehydration Unit) | G70-A – Class II Oil and Natural Gas Production Facility |

SECTION I. GENERAL INFORMATION

1. Name of applicant (as registered with the WV Secretary of State's Office): Columbia Gas Transmission, LLC	2. Federal Employer ID No. (FEIN): 310802435
3. Applicant's mailing address: 485 Industrial Road St. Albans, WV 25177	4. Applicant's physical address: 485 Industrial Road St. Albans, WV 25177
5. If applicant is a subsidiary corporation, please provide the name of parent corporation: Columbia Pipeline Group, Inc.	
6. WV 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 LLC / Registration (one page) including any name change amendments or other Business Certificate as Attachment A .	

SECTION II. FACILITY INFORMATION

7. Type of plant or facility (stationary source) to be constructed, modified, relocated or administratively updated (e.g., coal preparation plant, primary crusher, etc.): New Diesel Emergency Generator	8a. Standard Industrial Classification Classification (SIC) code: 4922 AND 8b. North American Industry System (NAICS) code: 486210
9. DAQ Plant ID No. (for existing facilities only): _____	10. List all current 45CSR13 and other General Permit numbers associated with this process (for existing facilities only): _____ _____

A: PRIMARY OPERATING SITE INFORMATION

11A. Facility name of primary operating site: <u>Area Office</u> _____ _____	12A. Address of primary operating site: Mailing: <u>485 Industrial Rd, St. Albans WV 25177</u> Physical: <u>485 Industrial RD, St. Albans WV,25177</u> _____	
13A. Does the applicant own, lease, have an option to buy, or otherwise have control of the proposed site? X YES NO - IF YES , please explain: <u>Application is for a new equipment at the existing St. Albans Area Office which Columbia Gas Transmission, LLC owns and operates</u> _____ - IF NO , YOU ARE NOT ELIGIBLE FOR A PERMIT FOR THIS SOURCE.		
14A. - For Modifications or Administrative Updates at an existing facility, please provide directions to the present location of the facility from the nearest state road; - For Construction or Relocation permits, please provide directions to the proposed new site location from the nearest state road. Include a MAP as Attachment F . _____ _____ _____		
15A. Nearest city or town: <u>Charleston, WV</u>	16A. County: <u>Kanawha</u>	17A. UTM Coordinates: Northing (KM): <u>2015.0178664215</u> Easting (KM): <u>4252015.0178664</u> Zone: <u>17</u>
18A. Briefly describe the proposed new operation or change (s) to the facility: <u>Installation of one diesel emergency generator.</u>		19A. Latitude & Longitude Coordinates (NAD83, Decimal Degrees to 5 digits): Latitude: <u>38.41326</u> Longitude: <u>-81.85423</u>

B: 1ST ALTERNATE OPERATING SITE INFORMATION (only available for G20, G40, & G50 General Permits)

11B. Name of 1 st alternate operating site: _____ _____	12B. Address of 1 st alternate operating site: Mailing: _____ Physical: _____ _____	
13B. Does the applicant own, lease, have an option to buy, or otherwise have control of the proposed site? YES NO - IF YES , please explain: _____ _____ - IF NO , YOU ARE NOT ELIGIBLE FOR A PERMIT FOR THIS SOURCE.		

14B. — For Modifications or Administrative Updates at an existing facility, please provide directions to the present location of the facility from the nearest state road; — For Construction or Relocation permits, please provide directions to the proposed new site location from the nearest state road. Include a MAP as Attachment F . <hr/> <hr/> <hr/>		
15B. Nearest city or town:	16B. County:	17B. UTM Coordinates: Northing (KM): _____ Easting (KM): _____ Zone: _____
18B. Briefly describe the proposed new operation or change (s) to the facility:		19B. Latitude & Longitude Coordinates (NAD83, Decimal Degrees to 5 digits): Latitude: _____ Longitude: _____

C: 2ND ALTERNATE OPERATING SITE INFORMATION (only available for G20, G40, & G50 General Permits):

11C. Name of 2 nd alternate operating site: _____	12C. Address of 2 nd alternate operating site: Mailing: _____ Physical: _____	
13C. Does the applicant own, lease, have an option to buy, or otherwise have control of the proposed site? YES NO — IF YES , please explain: _____ _____ — IF NO , YOU ARE NOT ELIGIBLE FOR A PERMIT FOR THIS SOURCE.		
14C. — For Modifications or Administrative Updates at an existing facility, please provide directions to the present location of the facility from the nearest state road; — For Construction or Relocation permits, please provide directions to the proposed new site location from the nearest state road. Include a MAP as Attachment F . <hr/> <hr/> <hr/>		
15C. Nearest city or town:	16C. County:	17C. UTM Coordinates: Northing (KM): _____ Easting (KM): _____ Zone: _____
18C. Briefly describe the proposed new operation or change (s) to the facility:		19C. Latitude & Longitude Coordinates (NAD83, Decimal Degrees to 5 digits): Latitude: _____ Longitude: _____

<p>20. Provide the date of anticipated installation or change:</p> <p><u>11 /28 /2016</u></p> <p><input type="checkbox"/> If this is an After-The-Fact permit application, provide the date upon which the proposed change did happen: :</p> <p><u> </u> / <u> </u> / <u> </u></p>	<p>21. Date of anticipated Start-up if registration is granted:</p> <p><u>11 / 28 /2016</u></p>
<p>22. Provide maximum projected Operating Schedule of activity/activities outlined in this application if other than 8760 hours/year. (Note: anything other than 24/7/52 may result in a restriction to the facility's operation).</p> <p>Hours per day <u> </u> - <u> </u> Days per week <u> </u> - <u> </u> Weeks per year <u> </u> - <u> </u> Percentage of operation <u> </u> - <u> </u> 500 hours/year</p>	

SECTION III. ATTACHMENTS AND SUPPORTING DOCUMENTS

<p>23. Include a check payable to WVDEP – Division of Air Quality with the appropriate application fee (per 45CSR22 and 45CSR13).</p>
<p>24. Include a Table of Contents as the first page of your application package.</p>
<p>All of the required forms and additional information can be found under the Permitting Section (General Permits) of DAQ's website, or requested by phone.</p>
<p>25. Please check all attachments included with this permit application. Please refer to the appropriate reference document for an explanation of the attachments listed below.</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> ATTACHMENT A : CURRENT BUSINESS CERTIFICATE <input checked="" type="checkbox"/> ATTACHMENT B: PROCESS DESCRIPTION ATTACHMENT C: DESCRIPTION OF FUGITIVE EMISSIONS <input checked="" type="checkbox"/> ATTACHMENT D: PROCESS FLOW DIAGRAM <input checked="" type="checkbox"/> ATTACHMENT E: PLOT PLAN <input checked="" type="checkbox"/> ATTACHMENT F: AREA MAP <input checked="" type="checkbox"/> ATTACHMENT G: EQUIPMENT DATA SHEETS AND REGISTRATION SECTION APPLICABILITY FORM ATTACHMENT H: AIR POLLUTION CONTROL DEVICE SHEETS <input checked="" type="checkbox"/> ATTACHMENT I: EMISSIONS CALCULATIONS ATTACHMENT J: CLASS I LEGAL ADVERTISEMENT ATTACHMENT K: ELECTRONIC SUBMITTAL <input checked="" type="checkbox"/> ATTACHMENT L: GENERAL PERMIT REGISTRATION APPLICATION FEE ATTACHMENT M: SITING CRITERIA WAIVER ATTACHMENT N: MATERIAL SAFETY DATA SHEETS (MSDS) <input checked="" type="checkbox"/> ATTACHMENT O: EMISSIONS SUMMARY SHEETS OTHER SUPPORTING DOCUMENTATION NOT DESCRIBED ABOVE (Equipment Drawings, Aggregation Discussion, etc.) <p>Please mail an original and two copies of the complete General Permit Registration Application with the signature(s) to the DAQ Permitting Section, at the address shown on the front page of this application. Please DO NOT fax permit applications. For questions regarding applications or West Virginia Air Pollution Rules and Regulations, please refer to the website shown on the front page of the application or call the phone number also provided on the front page of the application.</p>

SECTION IV. CERTIFICATION OF INFORMATION

This General Permit Registration Application shall be signed below by a Responsible Official. A Responsible Official is a President, Vice President, Secretary, Treasurer, General Partner, General Manager, a member of a Board of Directors, or Owner, depending on business structure. A business may certify an Authorized Representative who shall have authority to bind the Corporation, Partnership, Limited Liability Company, Association, Joint Venture or Sole Proprietorship. Required records of daily throughput, hours of operation and maintenance, general correspondence, Emission Inventory, Certified Emission Statement, compliance certifications and all required notifications must be signed by a Responsible Official or an Authorized Representative. If a business wishes to certify an Authorized Representative, the official agreement below shall be checked off and the appropriate names and signatures entered. Any administratively incomplete or improperly signed or unsigned Registration Application will be returned to the applicant.

FOR A CORPORATION (domestic or foreign)

I certify that I am a President, Vice President, Secretary, Treasurer or in charge of a principal business function of the corporation

FOR A PARTNERSHIP

I certify that I am a General Partner

FOR A LIMITED LIABILITY COMPANY

I certify that I am a General Partner or General Manager

FOR AN ASSOCIATION

I certify that I am the President or a member of the Board of Directors

FOR A JOINT VENTURE

I certify that I am the President, General Partner or General Manager

FOR A SOLE PROPRIETORSHIP

I certify that I am the Owner and Proprietor

I hereby certify that (please print or type) _____
is an Authorized Representative and in that capacity shall represent the interest of the business (e.g., Corporation, Partnership, Limited Liability Company, Association Joint Venture or Sole Proprietorship) and may obligate and legally bind the business. If the business changes its Authorized Representative, a Responsible Official shall notify the Director of the Office of Air Quality immediately, and/or,

I hereby certify that all information contained in this General Permit Registration Application and any supporting documents appended hereto is, to the best of my knowledge, true, accurate and complete, and that all reasonable efforts have been made to provide the most comprehensive information possible

Signature _____
(please use blue ink) Responsible Official Date

Name & Title _____
(please print or type)

Signature Edward Labande _____ 10/27/2016
(please use blue ink) Authorized Representative (if applicable) Date

Applicant's Name Edward Labande _____

Phone & Fax 932-320-5572 _____ 932-320-6572
Phone Fax

Email Edward.Labande@tuncelabande.com _____

Attachment A
Business Certificate

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

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

BUSINESS REGISTRATION ACCOUNT NUMBER: 1025-1555

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

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

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

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

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

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

Attachment B

Process Description

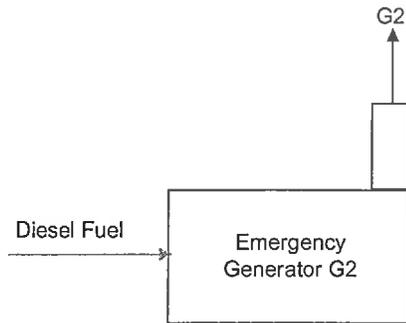
Process Description

Columbia Gas Transmission is applying for a Class I General Permit for a diesel emergency generator that will be installed at the St. Albans Office Building on November 28, 2016. The site is strictly an office building at which no other sources of air emissions are present. The generator will only be used for emergencies and has a potential to emit of less than 6 pounds per hour (lb/hr) of any regulated pollutant.

Attachment D

Process Flow Diagram

**ATTACHMENT D
ST. ALBANS BUILDING PROCESS FLOW DIAGRAM**

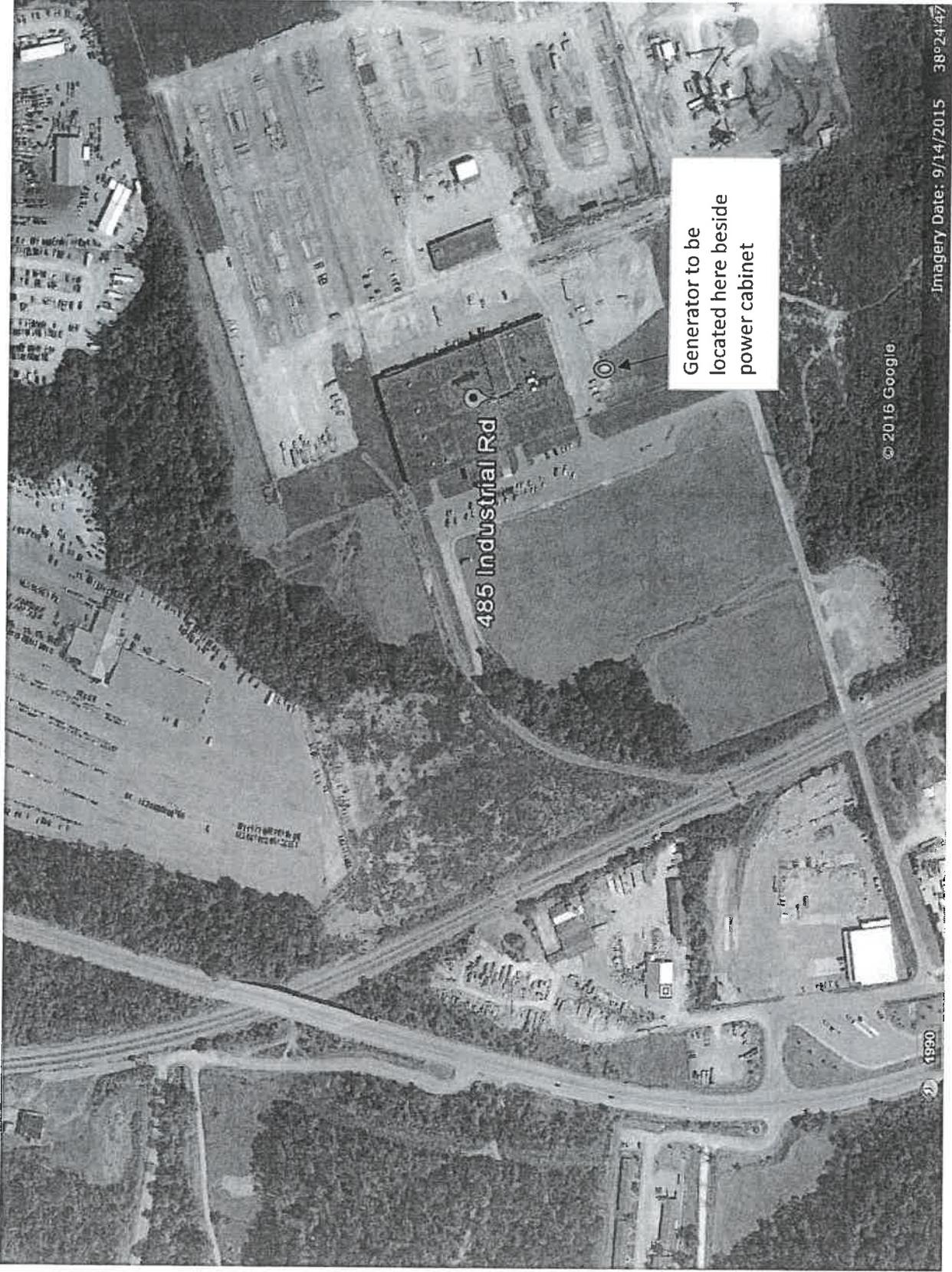


→ Fuel Gas
→ Emission Stream



Attachment E

Plot Plan



Generator to be located here beside power cabinet

485 Industrial Rd

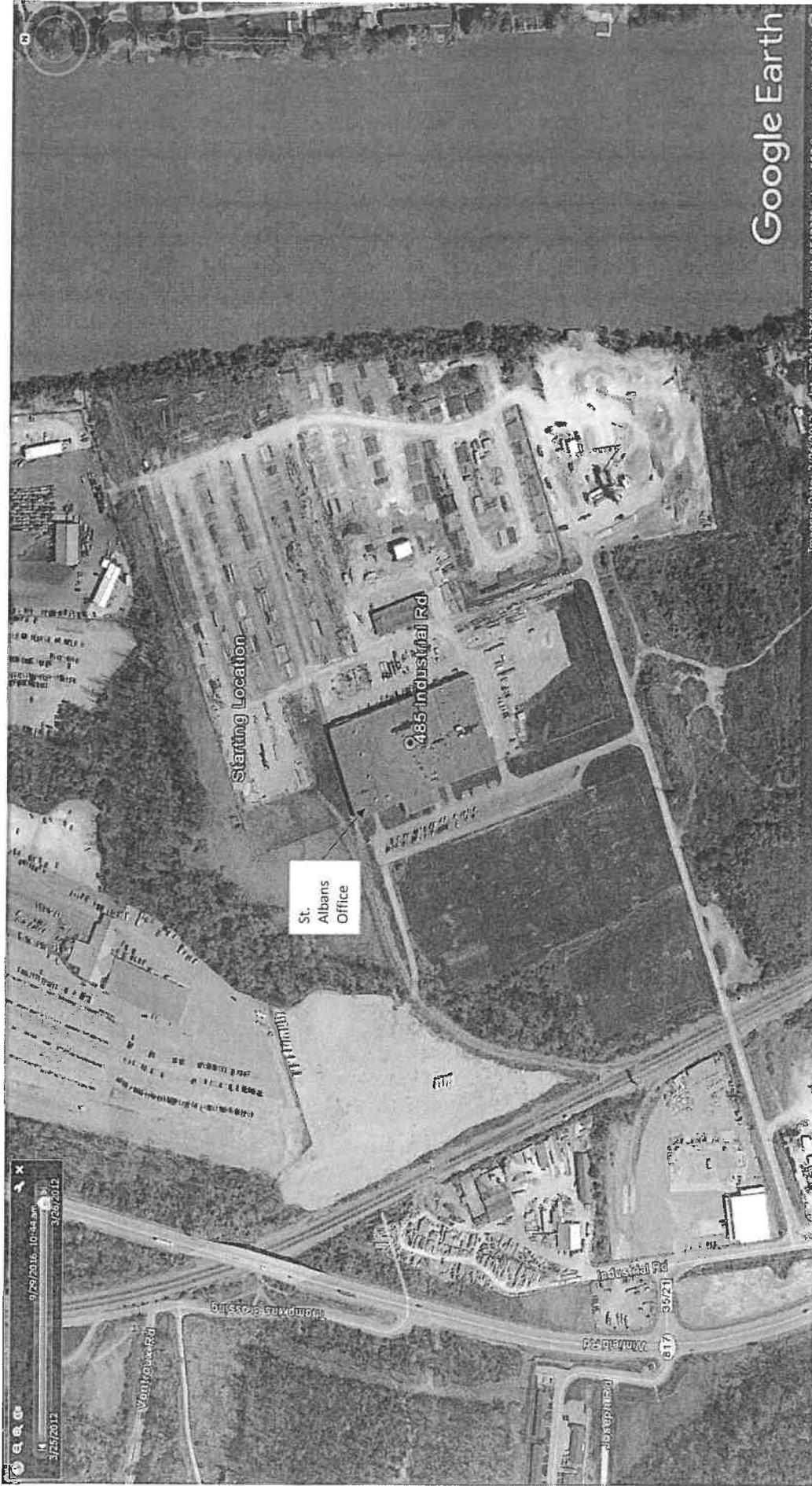
© 2015 Google

Imagery Date: 9/14/2015 38°24'47"

1960

Attachment F

Area Map



ST ALBANS Area Office
485 Industrial Rd--ST ALBANS--WV 25177

Attachment G

Equipment Data Sheets and Registration Section Applicability Form

General Permit G65-C Registration Section Applicability Form

General Permit G65-C was developed to allow qualified registrants to seek registration for emergency generator(s).

General Permit G65-C allows the registrant to choose which sections of the permit that they wish to seek registration under. Therefore, please mark which sections that you are applying for registration under. Please keep in mind, that if this registration is approved, the issued registration will state which sections will apply to your affected facility.

- | | | |
|-----------|---|-------------------------------------|
| Section 5 | Reciprocating Internal Combustion Engines (R.I.C.E.)* | <input checked="" type="checkbox"/> |
| Section 6 | Tanks | <input type="checkbox"/> |
| Section 7 | Standards of Performance for Stationary Compression Ignition Internal Combustion Engines (40CFR60 Subpart IIII) | <input checked="" type="checkbox"/> |
| Section 8 | Standards of Performance for Stationary Spark Ignition Internal Combustion Engines (40CFR60 Subpart JJJJ) | <input type="checkbox"/> |

* **Affected facilities that are subject to Section 5 may also be subject to Sections 7 or 8. Therefore, if the applicant is seeking registration under both sections, please select both.**

EMERGENCY GENERATOR ENGINE DATA SHEET

Source Identification Number ¹		G2	
Engine Manufacturer and Model		Cummins Inc QSX15-G9	
Manufacturer's Rated bhp/rpm		755 bhp	
Source Status ²		NS	
Date Installed/Modified/Removed ³		Nov. 25, 2016	
Engine Manufactured/Reconstruction Date ⁴			
Is this a Certified Stationary Spark Ignition Engine according to 40CFR60 Subpart IIII? (Yes or No) ⁵		Yes	
Is this a Certified Stationary Spark Ignition Engine according to 40CFR60 Subpart JJJJ? (Yes or No) ⁶		No	
Engine, Fuel and Combustion Data	Engine Type ⁷	LB4S	
	APCD Type ⁸	Not applicable	
	Fuel Type ⁹	2FO	
	H ₂ S (gr/100 scf)	De minimis	
	Operating bhp/rpm	755 bhp, 1800 rpm	
	BSFC (Btu/bhp-hr)	6,242	
	Fuel consumption (gal/hr)	34.4	
	Fuel consumption (gal/yr)	17,200	
	Operation (hrs/yr)	500	
Reference ¹⁰	Potential Emissions ¹¹	lbs/hr	tons/yr
MD	NO _x	5.15	1.29
MD	CO	0.67	0.17
MD	VOC	1.34	0.33
OT – mass balance	SO ₂	0.007	0.002
MD	PM ₁₀	0.17	0.04
AP	Formaldehyde	0.0004	0.0001

Attachment I

Emissions Calculations

**Columbia Gas Transmission, LLC
St. Albans Building**

Equipment Cummins Diesel Emergency Generator
 Hours/Year of Operation 500 hours/year
 Maximum Fuel Consumption 34.4 gal/hr
 Maximum Heat Input 4.71 MMBtu/hr **(0.137 MMBtu/gal of Diesel per AP-42 Appendix A)**
 Nominal Power Output 563 kW
 Horsepower at Rated Input 755 hp
 Maximum Yearly Fuel Consumption 17,200 gal/yr
 Fuel Sulfur Content 0.0015 % S **(Based on 1.341 hp/kW)**

Parameter	Units	NO _x ^(1,2)	CO ⁽¹⁾	VOC ^(1,2)	PM ⁽¹⁾	PM ₁₀ /PM _{2.5} ⁽³⁾	SO ₂ ⁽⁴⁾	Pb	Total HAPs
Emission Factors	g/hp-hr	3.10	0.40	0.80	0.080	0.102	0.004	2.55E-05	4.60E-03
Maximum Hourly Emission Rates	lb/hr	5.15	0.67	1.34	0.13	0.17	0.007	4.24E-05	7.65E-03
Potential Annual Emissions	tons/year	1.29	0.166	0.334	0.033	0.042	0.002	1.06E-05	1.91E-03

Notes:

- (1) Emission factors for NO_x, CO, VOC (as HC), and PM provided by engine manufacturer, based on CARB test results.
- (2) Emission factors for NO_x calculated as 79.4% of NO_x+NMHC total; VOC factor is 20.6% of NO_x+NMHC total.
- (3) PM₁₀/PM_{2.5} from vendor specification plus condensable PM based on AP-42 Table 3.4-2. g/hp-hr = lb/MMBtu x MMBtu/hr x 453.59 g/lb / hp
- (4) SO₂ Calculation based on 7.05 lb/gal and specified fuel sulfur content

Hazardous Air Pollutant	Hazardous Air Pollutants (HAPs) ⁽⁶⁾		
	Emission Factor (lb/MMBtu)	Short-Term Emissions (lb/hr)	Long-Term Emissions (lb/yr)
Acetaldehyde	2.52E-05	1.19E-04	0.059
Acrolein	7.88E-06	3.71E-05	0.019
Benzene	7.76E-04	3.66E-03	1.829
Formaldehyde	7.89E-05	3.72E-04	0.186
Total PAH	2.12E-04	9.99E-04	0.500
Toluene	2.81E-04	1.32E-03	0.662
Xylenes	1.93E-04	9.10E-04	0.455
Arsenic	4.00E-06	1.89E-05	0.009
Beryllium	3.00E-06	1.41E-05	0.007
Cadmium	3.00E-06	1.41E-05	0.007
Chromium	3.00E-06	1.41E-05	0.007
Lead	9.00E-06	4.24E-05	0.021
Manganese	6.00E-06	2.83E-05	0.014
Mercury	3.00E-06	1.41E-05	0.007
Nickel	3.00E-06	1.41E-05	0.007
Selenium	1.50E-05	7.07E-05	0.035

Notes:

- (6) Source: Organics from AP-42 Section 3.4 Table 3.4-3 - Dated: 10/96, Metals from AP-42 Section 1.3 Table 1.3-10

Attachment L
General Permit Registration
Application Fee

Attachment O

Emissions Summary Sheets



**Power
Generation**

2016 EPA Tier 2 Exhaust Emission Compliance Statement 450DFEJ Stationary Emergency 60 Hz Diesel Generator Set

Compliance Information:

The engine used in this generator set complies with Tier 2 emissions limit of U.S. EPA New Source Performance Standards for stationary emergency engines under the provisions of 40 CFR 60 Subpart IIII when tested per ISO8178 D2.

Engine Manufacturer: Cummins Inc

EPA Certificate Number: GCEXL015.AAJ-022

Effective Date: 11/04/2015

Date Issued: 11/04/2015

EPA Engine Family (Cummins Emissions Family): GCEXL015.AAJ (J103)

Engine Information:

Model: QSX / QSX15 / QSX15-G / QSX15-G9

Engine Nameplate HP: 755

Type: 4 Cycle, In-line, 6 Cylinder Diesel

Aspiration: Turbocharged and CAC

Emission Control Device: Electronic Control

Bore: 5.39 in. (137 mm)

Stroke: 6.65 in. (169 mm)

Displacement: 912 cu. in. (15 liters)

Compression Ratio: 17.0:1

Exhaust Stack Diameter: 8 in.

Diesel Fuel Emission Limits

D2 Cycle Exhaust Emissions

	Grams per BHP-hr		Grams per kWm-hr	
	NOx + NMHC	CO	PM	NOx + NMHC
Test Results - Diesel Fuel (300-4000 ppm Sulfur)	4.3	0.4	0.10	5.7
EPA Emissions Limit	4.8	2.6	0.15	6.4
Test Results - CARB Diesel Fuel (<15 ppm Sulfur)	3.9	0.4	0.08	5.2
CARB Emissions Limit	4.8	2.6	0.15	6.4

The CARB emission values are based on CARB approved calculations for converting EPA (500 ppm) fuel to CARB (15 ppm) fuel.

Test Methods: EPA/CARB Nonroad emissions recorded per 40CFR89 (ref. ISO8178-1) and weighted at load points prescribed in Subpart E, Appendix A for Constant Speed Engines (ref. ISO8178-4, D2)

Diesel Fuel Specifications: Cetane Number: 40-48. Reference: ASTM D975 No. 2-D.

Reference Conditions: Air Inlet Temperature: 25°C (77°F), Fuel Inlet Temperature: 40°C (104°F), Barometric Pressure: 100 kPa (29.53 in. Hg), Humidity: 10.7 g/kg (75 grains H2O/lb) of dry air, required for NOx correction. Restrictions: Intake Restriction set to a maximum allowable limit for clean filter; Exhaust Back Pressure set to a maximum allowable limit.

Tests conducted using alternate test methods, instrumentation, fuel or reference conditions can yield different results.

Engine operation with excessive air intake or exhaust restriction beyond published maximum limits, or with improper maintenance, may result in elevated emission levels.

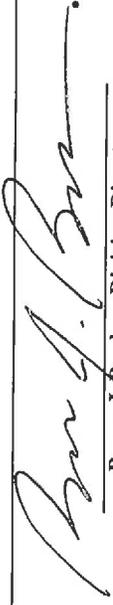


UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
2016 MODEL YEAR
CERTIFICATE OF CONFORMITY
WITH THE CLEAN AIR ACT

**OFFICE OF TRANSPORTATION
 AND AIR QUALITY
 ANN ARBOR, MICHIGAN 48105**

Certificate Issued To: Cummins Inc.
 (U.S. Manufacturer or Importer)
Certificate Number: GCEXL015.AAJ-022

Effective Date:
 11/04/2015
Expiration Date:
 12/31/2016


 Byron J. Bunker, Division Director
 Compliance Division

Issue Date:
 11/04/2015
Revision Date:
 N/A

Model Year: 2016
Manufacturer Type: Original Engine Manufacturer
Engine Family: GCEXL015.AAJ

Mobile/Stationary Indicator: Stationary
Emissions Power Category: 560<kW<=2237
Fuel Type: Diesel
After Treatment Devices: No After Treatment Devices Installed
Non-after Treatment Devices: Electronic Control

Pursuant to Section 111 and Section 213 of the Clean Air Act (42 U.S.C. sections 7411 and 7547) and 40 CFR Part 60, and subject to the terms and conditions prescribed in those provisions, this certificate of conformity is hereby issued with respect to the test engines which have been found to conform to applicable requirements and which represent the following engines, by engine family, more fully described in the documentation required by 40 CFR Part 60 and produced in the stated model year.

This certificate of conformity covers only those new compression-ignition engines which conform in all material respects to the design specifications that applied to those engines described in the documentation required by 40 CFR Part 60 and which are produced during the model year stated on this certificate of the said manufacturer, as defined in 40 CFR Part 60.

It is a term of this certificate that the manufacturer shall consent to all inspections described in 40 CFR 1068 and authorized in a warrant or court order. Failure to comply with the requirements of such a warrant or court order may lead to revocation or suspension of this certificate for reasons specified in 40 CFR Part 60. It is also a term of this certificate that this certificate may be revoked or suspended or rendered void *ab initio* for other reasons specified in 40 CFR Part 60.

This certificate does not cover engines sold, offered for sale, or introduced, or delivered for introduction, into commerce in the U.S. prior to the effective date of the certificate.