

September 13, 2016



Ms. Beverly McKeone
NSR Permitting Program Manager
West Virginia Department of Environmental Protection
Division of Air Permitting
601 57th Street SE, Room 1173
Charleston, West Virginia 25304

RE: Application for Class II General Permit Number G60-C

Dear Ms. McKeone,

Beckley Water Company owns and operates a water treatment facility located at 701 Sweeneysburg Road, Beckley, West Virginia 25801. Beckley Water Company intends to operate a single 2,220 brake-horse power (bhp) diesel-fired engine that drives a 1,500 kW emergency generator at the 701 Sweeneysburg Road facility. Beckley Water Company requests the West Virginia Department of Environmental Protection to provide a G60-C Class II Emergency Generator permit under 45CSR13. If you have any questions, or need further information, please contact me at 304-255-5121.

Sincerely,

BECKLEY WATER COMPANY

A handwritten signature in blue ink, appearing to read "Matthew W. Stanley". To the right of the signature, the date "9/15/16" is written in blue ink.

Matthew W. Stanley
President, CEO, and Chairman of the Board

APPLICATION FOR G60-C PERMIT

SWEENEYSBURG WATER TREATMENT FACILITY

**701 Sweeneysburg Road
Beckley, Raleigh County, West Virginia**

**Submitted to:
West Virginia Department of Environmental Protection
Division of Air Quality
601 57th Street
Charleston, West Virginia 25304**

**Prepared for:
Beckley Water Company
P.O. Box 2400
Beckley, West Virginia 25802**

**Prepared by:
The Thrasher Group, Inc.
600 White Oaks Boulevard
Bridgeport, West Virginia 26330**

September 2016

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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:

- | | |
|---|--|
| <input type="checkbox"/> G10-D – Coal Preparation and Handling | <input type="checkbox"/> G40-C – Nonmetallic Minerals Processing |
| <input type="checkbox"/> G20-B – Hot Mix Asphalt | <input type="checkbox"/> G50-B – Concrete Batch |
| <input type="checkbox"/> G30-D – Natural Gas Compressor Stations | <input checked="" type="checkbox"/> G60-C - Class II Emergency Generator |
| <input type="checkbox"/> G33-A – Spark Ignition Internal Combustion Engines | <input type="checkbox"/> G65-C – Class I Emergency Generator |
| <input type="checkbox"/> G35-A – Natural Gas Compressor Stations (Flare/Glycol Dehydration Unit) | <input type="checkbox"/> 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): Beckley Water Company		2. Federal Employer ID No. (FEIN): 55-0121880	
3. Applicant's mailing address: P.O. Box 2400, Beckley, WV 25802-2400		4. Applicant's physical address: 701 Sweeneysburg Road, Beckley, WV 25801	
5. If applicant is a subsidiary corporation, please provide the name of parent corporation:			
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.): Engine-driven emergency generator	8a. Standard Industrial Classification AND 8b. North American Industry Classification (SIC) code: 3589 System (NAICS) code: 221310
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): Not Applicable

A: PRIMARY OPERATING SITE INFORMATION

11A. Facility name of primary operating site: Sweeneysburg Road Water Treatment Plant		12A. Address of primary operating site: Mailing: P.O. Box 2400, Beckley, WV 25802-2400 Physical: 701 Sweeneysburg Road, Beckley, WV 25801	
13A. Does the applicant own, lease, have an option to buy, or otherwise have control of the proposed site? ⇒ IF YES, please explain: Owned, operated, and maintained by applicant.			<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO
⇒ 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. Site is located approximately 0.70 miles north of the intersection of Sweeneysburg Road (WV Route 11) and Surprise Valley Road near Beckley, WV.			
15A. Nearest city or town: Beckley		16A. County: Raleigh	17A. UTM Coordinates: Northing (KM): 4186457.3 Easting (KM): 479264.8 Zone: 17 S
18A. Briefly describe the proposed new operation or change (s) to the facility: Permitting of engine-driven emergency generator.		19A. Latitude & Longitude Coordinates (NAD83, Decimal Degrees to 5 digits): Latitude: 37.82529 Longitude: -81.23561	

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

11B. Name of 1 st alternate operating site: Not Applicable		12B. Address of 1 st alternate operating site: Mailing: Not Applicable Physical: Not Applicable	
13B. Does the applicant own, lease, have an option to buy, or otherwise have control of the proposed site? ⇒ IF YES, please explain: Not Applicable			<input type="checkbox"/> YES <input type="checkbox"/> NO
⇒ IF NO, YOU ARE NOT ELIGIBLE FOR A PERMIT FOR THIS SOURCE.			

<p>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;</p> <p>⇨ 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.</p> <p>Not Applicable</p>		
15B. Nearest city or town:	16B. County:	17B. UTM Coordinates:
Not Applicable	Not Applicable	Northing (KM): Easting (KM): Not Applicable Zone:
18B. Briefly describe the proposed new operation or change (s) to the facility:		19B. Latitude & Longitude Coordinates (NAD83, Decimal Degrees to 5 digits):
Not Applicable		Latitude: Not Applicable 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:	
Not Applicable	Mailing:Not Applicable Physical:Not Applicable	
13C. Does the applicant own, lease, have an option to buy, or otherwise have control of the proposed site? <input type="checkbox"/> YES <input type="checkbox"/> NO ⇨ IF YES, please explain: Not Applicable ⇨ IF NO, YOU ARE NOT ELIGIBLE FOR A PERMIT FOR THIS SOURCE.		
<p>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;</p> <p>⇨ 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.</p> <p>Not Applicable</p>		
15C. Nearest city or town:	16C. County:	17C. UTM Coordinates:
Not Applicable	Not Applicable	Northing (KM): Not Applicable 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):
Not Applicable		Latitude: Not Applicable Longitude:

<p>20. Provide the date of anticipated installation or change:</p> <p style="text-align: center;">8/16/2016</p> <p>If this is an <input type="checkbox"/> After-The-Fact permit application, provide the date upon which the proposed change did happen: : ____/____/____</p>	<p>21. Date of anticipated Start-up if registration is granted:</p> <p style="text-align: center;">9/23/2016</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>24</u> Days per week <u>7</u> Weeks per year <u>52</u> Percentage of operation _____</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 <input type="checkbox"/> 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 <input type="checkbox"/> ATTACHMENT H: AIR POLLUTION CONTROL DEVICE SHEETS <input checked="" type="checkbox"/> ATTACHMENT I: EMISSIONS CALCULATIONS <input checked="" type="checkbox"/> ATTACHMENT J: CLASS I LEGAL ADVERTISEMENT <input checked="" type="checkbox"/> ATTACHMENT K: ELECTRONIC SUBMITTAL <input checked="" type="checkbox"/> ATTACHMENT L: GENERAL PERMIT REGISTRATION APPLICATION FEE <input type="checkbox"/> ATTACHMENT M: SITING CRITERIA WAIVER <input type="checkbox"/> ATTACHMENT N: MATERIAL SAFETY DATA SHEETS (MSDS) <input type="checkbox"/> ATTACHMENT O: EMISSIONS SUMMARY SHEETS <input type="checkbox"/> 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, to the best of my knowledge, true, accurate and complete, and that all reasonable efforts have been made to provide the most complete and accurate information possible

Signature _____
(please use blue ink) Responsible Official

02/13/2016
Date

Name & Title Matthew W. Stanley, President, CEO and Chairman of the Board
(please print or type)

Signature _____
(please use blue ink) Authorized Representative (if a

mstanley@beckleywater.com
tele x 115

Date

Applicant's Name Beckley Water Company

Phone & Fax _____
Phone

Email _____

ATTACHMENT A
Current Business Certificate

READ CAREFULLY THE INSTRUCTIONS

Agreement for Incorporation

I. The undersigned agree to become a corporation by the name of (1)

BECKLEY WATER COMPANY

(1) In selecting a name be sure to choose one not in use by another corporation in West Virginia.

II. The Principal Place of Business of said Corporation shall be located at (2) No.

..... Street, in the city (3) ~~Crossroads~~ of Beckley

..... in county of Raleigh and State of W. Va.

Its chief works will be located (3) at the same place.

(1) Insert number and name of street, if in a city having street numbers. If not, strike out.
(2) Insert the word "city," "town" or "village," leaving the one required.
(3) Give location of Chief Works: If at the same place as principal place of business, say "Its Chief Works will be located at the same place." If there be no Chief Works, say "Said Corporation will have no Chief Works." If Chief Works are in West Virginia, give name of Magisterial District and County in which they are or will be located. In case of oil, gas, well, or prospecting Companies, and other like Companies where the Chief Works will be shifting, and in cases of Companies that will have Chief Works, or works at different points in this State, say "Chief Works will be located in..... district, in..... county, State of West Virginia, and elsewhere in said State. If Chief Works are not to be in West Virginia, then it is only necessary to give the name of the State or country in which they will be located. The words "Chief Works" includes shops, factories, mines, manufacturing plants, or any building or other place where mechanics, artisans or laborers are employed.

III. The objects and purposes for which this Corporation is formed are as follows:

(If not sufficient space here to cover this point add one or more sheets of paper of this size.)

1. To conduct the business of furnishing water for domestic, agricultural, manufacturing and all other purposes, to citizens of the city of Beckley, and of other cities, towns and villages in Raleigh County, West Virginia, and such other persons and corporations as may desire to purchase such water and service, at such rates and price and upon such terms and conditions as this corporation may fix and charge therefor in accordance with the law of West Virginia.

2. To acquire and hold all of such property and assets both real and personal, including such franchises, permits, easements and other intangible property of every kind and nature as may be necessary or convenient for effecting the objects and purposes for which this corporation is formed; and especially to acquire all the property, both real and personal of Beckley Electric Light & Power Company, a West Virginia corporation, now used by said corporation in its business of supplying water and water service to the citizens of Beckley and vicinity, including such franchises, easements, rights, cash, accounts and other property, tangible or intangible, of said corporation, as this company may desire to acquire, and to issue in payment therefor the capital stock of this company upon such terms as it may prescribe, or otherwise to pay therefor in cash, notes, bonds, or such other manner as this company may deem advisable.

3. To subscribe for, purchase, acquire, hold, sell and dispose of the stocks, bonds and other securities of any other corporation or person.

4. To borrow money and to issue notes, bonds or other evidences of indebtedness and to secure the payment thereof by mortgage, deed of trust, pledge or other conveyance or assignment of its property, both real and personal, in such manner as its stockholders or directors may prescribe.

5. To have and exercise all such other rights, powers and privileges, and to do all such other acts and things as may be necessary or incidental to any of the objects or purposes aforesaid not contrary to the law of the state of West Virginia.

IV. The amount of the total authorized capital stock of said corporation shall be Two Hundred and Fifty Thousand (\$250,000.00) dollars, which shall be divided into twenty-five hundred (2500) shares of the par value of One Hundred (\$100.00) dollars each; of which authorized capital stock the amount of Five Hundred (\$500.00) dollars has been subscribed, and the amount of Fifty (\$50.00) dollars has been paid. (4)

(4) 10 per cent of the amount of the capital stock subscribed must be paid in before charter can issue. If there be more than one class of stock created by the agreement, here insert description of the different classes, with the terms relating to each class of stock to be issued.

THERE MUST BE AT LEAST FIVE INCORPORATORS

V. The names and postoffice addresses of the incorporators and the number of shares of stock subscribed for by each are as follows:

NAME (5)	P. O. ADDRESS (6)	No. of Shares Common Stock	No. of Shares Preferred Stock	Total No. of Shares (7)
W. A. STANLEY	BECKLEY, WEST VIRGINIA	1		1
CHARLES C. PARKER	BECKLEY, WEST VIRGINIA	1		1
EDGAR J. COODRICH	CHARLESTON, WEST VIRGINIA	1		1
JOHN J. D. EREBTON	CHARLESTON, WEST VIRGINIA	1		1
H. D. BATTLE	CHARLESTON, WEST VIRGINIA	1		1

(5) Write names very plainly—typewrite them if possible.
 (6) Give street number if there be such, thus No. 123 Capital Street, Charleston, W. Va.
 (7) The total number of shares subscribed multiplied by the par value of the shares, must be equal the amount stated as subscribed on sheet 2.

VI. This corporation is to expire in fifty years from the date of its
certificate of incorporation.

Fill in this blank with the words "on the day of, 19....," or say "in fifty years from the date of this certificate of incorporation." The time limit for all corporations is fifty years, except companies incorporated for purposes relating to railroads, canals, toll bridges, schools, libraries, religious, moral, literary, scientific, agricultural, industrial and improvement associations, orders and societies, gymnasiums, banks, savings institutions and life insurance companies, which are perpetual. Other corporations may be perpetuated indefinitely for terms of fifty years at little trouble and expense.

VII. Here insert any special provisions desired; and also number of acres of land desired to be held in West Virginia, if such number be above 10,000 acres. See sec. 8 chap. 54, Code; sec. 9, chap 3, Corporation Laws.

Given under our hands this 26th day of June, 1928
All the incorporators must sign below.

W. A. Stanley
Charles C. Farmer
Edgar J. Goodrich
John J. D. Preston
H. D. Battle

CERTIFICATES

The agreement must be acknowledged by all the incorporators, who signed it, before a Justice, Notary or Judge, and such acknowledgment certified by the officer before whom they were made, and his seal affixed if not in West Virginia. Acknowledgments taken in a foreign country must be verified by seal of Consul or Vice-Consul of the U. S., Charge d'Affairs, or Court having seal.

State of WEST VIRGINIA County of KINAWHA to-wit:

I, _____, a Notary Public in and for the County and State aforesaid, hereby certify that W. A. Stanley, Charles C. Farmer, Edgar J. Goodrich, John J. D. Preston and H. D. Battle, whose names are signed to the foregoing agreement bearing date on the 26th day of June, 1928, this day personally appeared before me in my said county and severally acknowledged their signatures to the same. And I further certify that Edgar J. Goodrich and H. D. Battle

two of the incorporators named in the said agreement made oath before me that the amount therein stated to have been paid in on the capital has in good faith been paid, for the purposes and business of the intended corporation, without any intention or understanding that the same shall be withdrawn therefrom before the expiration or dissolution of this corporation.

(Given under my hand and official seal this 26th day of June, 1928

(SEAL)

Edwin
Notary Public.

My Commission expires on the 29th day of October, 1935



*I, JOHN D. ROCKEFELLER IV Secretary of State
of the State of West Virginia, hereby certify that:*

WILMER A. STANLEY, President of

BECKLEY WATER COMPANY,

a corporation created and organized under the laws of the State of West Virginia, has certified to me under his signature and the corporate seal of said corporation, that, at a special meeting of the stockholders of said corporation, regularly held in accordance with the requirements of the law of said State, in Beckley, West Virginia, on the 5th day of November, 1972, at which meeting two-thirds of the issued and outstanding voting stock of such corporation being represented by the holders thereof, in person, by bodies corporate or by proxy, and voting for the following resolution, the same was duly and regularly adopted and passed, to-wit:

"BE IT RESOLVED, That the Certificate of Incorporation of this corporation, issued by the Secretary of State of West Virginia on the 29th day of June, 1928, be amended as follows:

FIRST: Paragraph III of said Certificate of Incorporation be amended by adding thereto the following:

'3. To buy, lease, acquire, sell, trade and dispose of, by any and all means, real property or interests in real property for any lawful purpose, including, but not limited to the purposes hereinabove set forth, and for investment, trading, real estate development and subdivision, or other purposes.

'4. To buy, acquire or otherwise obtain, and to sell, trade or dispose of by any and all means for trading, investment or other lawful purpose: 1) notes, bonds, stocks or other securities of other corporations; 2) notes, bonds or other evidences of indebtedness of the United States of America, the State of West Virginia, and any other state of the United States of America, and any city, county or other political subdivision or agency or organization of the United States of America, or of any state, county or city; 3) machinery, equipment, contracts, franchises, permits and all other forms of personal property, tangible or intangible.'

"SECOND: Paragraph IV of said Certificate of Incorporation, which reads as follows:

'IV. The amount of the total authorized capital stock of said corporation shall be TWO HUNDRED AND FIFTY THOUSAND Dollars, which shall be divided into TWENTY-FIVE HUNDRED shares of the par value of ONE HUNDRED Dollars each, of which authorized capital stock the amount of FIVE HUNDRED dollars has been subscribed, and the amount of FIFTY Dollars has been paid.'

be amended to read as follows:

'IV. The amount of the total authorized capital stock of said corporation shall be Two Million Five Hundred Thousand Dollars (\$2,500,000.00), which shall be divided into One Hundred Thousand (100,000) shares with a par value of Twenty-five Dollars (\$25.00) each, fully paid and non-assessable.'

CERTIFICATE

I, Wilmer A. Stanley, President of Beckley Water Company, a corporation, do hereby certify to the Secretary of State of the State of West Virginia under my signature and the seal of this corporation, that the following resolutions were duly and legally adopted by the affirmative vote, in person or by proxy, of more than two-thirds (2/3) of all the stockholders entitled to vote at a special meeting of the stockholders of said corporation duly and legally called and held pursuant to notice given as provided by the by-laws of the corporation and the statutes of the State of West Virginia, which meeting was held on the 6th day of November, 1972, at 10:00 o'clock, A.M. at the office of said corporation at 119 South Heber Street, Beckley, Raleigh County, West Virginia. I do further certify that the following resolutions are true and accurate copies of the said resolutions so adopted, and that the same are set forth in the minute book of said corporation:

"BE IT RESOLVED", That the Certificate of Incorporation of this corporation, issued by the Secretary of State of West Virginia on the 29th day of June, 1928, be amended as follows:

FIRST: Paragraph III of said Certificate of Incorporation be amended by adding thereto the following:

'3. To buy, lease, acquire, sell, trade and dispose of, by any and all means, real property or interests in real property for any lawful purpose, including, but not limited to the purposes hereinabove set forth, and for investment, trading, real estate development and subdivision, or other purposes.

'4. To buy, acquire or otherwise obtain, and to sell, trade or dispose of by any and all means for trading, investment or other lawful purpose: 1) notes, bonds, stocks or other securities of other corporations; 2) notes, bonds or other evidences of indebtedness of the United States of America, the State of West Virginia, and any other state of the United States of America, and any city, county or other political subdivision or agency or organization of the United States of America, or of any state, county or city; 3) machinery, equipment, contracts, franchises, permits and all other forms of personal property, tangible or intangible.'

"SECOND: Paragraph IV of said Certificate of Incorporation, which reads as follows:

'IV. The amount of the total authorized capital stock of said corporation shall be TWO HUNDRED AND FIFTY THOUSAND Dollars, which shall be divided into TWENTY-FIVE HUNDRED shares of the par value of ONE HUNDRED Dollars each, of which authorized capital stock the amount of FIVE HUNDRED dollars has been subscribed, and the amount of FIFTY Dollars has been paid.'

be amended to read as follows:

'IV. The amount of the total authorized capital stock of said corporation shall be Two Million Five Hundred Thousand Dollars (\$2,500,000.00), which shall be divided into One Hundred Thousand (100,000) shares with a par value of Twenty-five Dollars (\$25.00) each, fully paid and non-assessable.'

(CORPORATE SEAL)

Michael R. Stawley
President
Beckley Water Company, a corporation

ATTEST:

G. L. ...
Secretary

Chapter 31, Article 1, Section 5, Code, 1931
amended.

Effective June 10, 1931

DEPARTMENT OF INCORPORATION AND
MANAGEMENT prepared by:

Name: W. H. File, Jr., Atty.

Address: 130 Main St.

Beckley, W. Va.

STATE OF WEST VIRGINIA
CERTIFICATE

A. JAMES MANCHIN,
I, ~~JAMES R. MCGOWEN~~ Secretary of State of the State of West Virginia,
hereby certify that

duplicate originals of Articles of Amendment to the Articles
of Incorporation of

BECKLEY WATER COMPANY,

dually signed and verified pursuant to the provisions of Section
51, Article 1, Chapter 31 of the Code of West Virginia, 1951,
as amended, have been received in this office and are found to
conform to law.

ACCORDINGLY, I hereby issue this Certificate of Amendment,
Increase of the authorized capital stock, to the Articles of
Incorporation, and attach hereto a duplicate original of said
Articles of Amendment.

(G. S.)

Given under my hand and the Great Seal of the said
State, at the City of Charleston, this EIGHTH
day of AUGUST, 1977

~~JAMES R. MCGOWEN~~
Secretary of State

FILED IN THE OFFICE OF
SECRETARY OF STATE OF
WEST VIRGINIA

THIS DATE AUG 8 1977

CERTIFICATE

I, WILMER A. STANLEY, President of Beckley Water Company, a corporation, do hereby certify to the Secretary of State of State of West Virginia under my signature and seal of this corporation, that the following resolutions were duly and legally adopted by the affirmative vote, in person or by proxy of the majority of all of the shareholders entitled to vote at a special meeting of the shareholders of said corporation duly and legally called and held pursuant to notice given as provided by the bylaws of the corporation and the statutes of the State of West Virginia, which meeting was held on the 25th day of July, 1977 at 10:00 o'clock A.M. at the office of said corporation at 119 South Heber Street, Beckley, Raleigh County, West Virginia, which resolutions were adopted by the Board of Directors of the corporation at a special meeting of the said Board held at the aforesaid office of said corporation on July 12, 1977 at 10:00 o'clock A. M. I do further certify that the following resolutions are true and accurate copies of the said resolutions so adopted, and that the same are set forth in the minute book of said corporation:

BE IT RESOLVED that the certificate of incorporation of this corporation issued by the Secretary of State of West Virginia on the 29th day of June, 1926 and amended by Certificate of Amendment issued by the Secretary of State of West Virginia, November 21, 1972 shall be further amended as follows:

Paragraph IV of said Certificate of Incorporation which now reads as follows;

"IV. The amount of the total authorized capital stock of said corporation shall be Two Million Five Hundred Thousand Dollars (\$2,500,000.00), which shall be divided into One Hundred Thousand (100,000) shares, with a par value of Twenty-Five Dollars (\$25.00) each, fully paid and non-assessable."

shall be amended to read as follows:

IV. The amount of the total authorized capital stock of said corporation shall be Four Million Five Hundred Thousand Dollars (\$4,500,000.00) which shall be divided as follows:

(a) Two Million Five Hundred Thousand Dollars (\$2,500,000.00) shall be divided into one hundred thousand (100,000) shares of common stock with the par value of Twenty-Five Dollars (\$25.00) each, fully paid and non-assessable, and being the capital stock now issued and outstanding;

(b) Two Million Dollars (\$2,000,000.00) in preferred stock which shall be divided in such number of shares and such series with such variations in the relative rights and preferences as between different series as may be fixed and determined by the Board of Directors as hereinafter authorized.

(c) The Board of Directors shall have authority to divide any or all of the preferred stock into series and the variations and the relative rights and preferences as between different series of preferred stock shall be such as are hereafter fixed and determined by the Board of Directors, but all shares of the same class shall be identical except as to the following relative rights and preferences as to which there may be variations between different series:

- 1- the rate of dividend.
- 2- whether shares may be redeemed and, if so, the redemption price and the terms and conditions of redemption.
- 3- the amount payable upon shares in the event of voluntary and involuntary liquidation.
- 4- sinking fund provisions, if any, for the redemption or purchase of shares.
- 5- the terms and conditions, if any, upon which shares may be converted.
- 6- voting rights, if any.

In order for the Board of Directors to establish a series of preferred stock the Board of Directors shall adopt a resolution setting forth the designation of the series and fixing and determining the relative rights and preferences thereof and prior to the issue of any such shares of a series established by resolution adopted by the Board of Directors, the corporation shall file in the office of the Secretary of State a statement setting forth the information required by Chapter 31, Article 1, Section 79 of the Code of West Virginia, as amended, and shall carry out fully all of the requirements of said Chapter 31, Article 1, Section 79, of said Code.

AND BE IT FURTHER RESOLVED, that this resolution shall be presented to a special meeting of the shareholders for their consideration and approval, such meeting to be held at the office of said corporation at 119 South Heber Street, Beckley, West Virginia at 10:00 o'clock A. M. on July 25, 1977.

(CORPORATE SEAL)

Wesley A. Stanley
President
Beckley Water Company

ATTEST: _

Wm. F. R. Cotts
Secretary

STATE OF WEST VIRGINIA,
COUNTY OF RALEIGH, TO WIT:

I, KAREN E. LILLY, a Notary Public of the said County of Raleigh, in and for the County and State aforesaid, do hereby certify that WILMER A. STANLEY, President of Beckley Water Company, a corporation, who signed the foregoing writing, for said Beckley Water Company, a corporation, has this day, before me, in my said County, acknowledged the same to be the act and deed of said corporation.

Given under my hand this 30th day of July, 1977.


NOTARY PUBLIC

My commission expires: August 13, 1985
COMMISSIONED AS:
KAREN E. BREEDEN



J. A. James Manchin, Secretary of State of the State of West Virginia, hereby certifies that duplicate originals of Articles of Amendment to the Articles of Incorporation of

HECKLEY WATER COMPANY

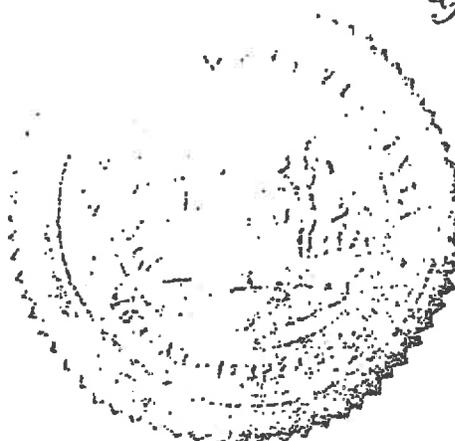
duly signed and verified pursuant to the provisions of Section 31, Article 1, Chapter 31 of the Code of West Virginia, 1931, as amended, have been received in this office and are found to conform to law.

ACCORDINGLY, I hereby issue this Certificate of Amendment, INCREASE, to the Articles of Incorporation, and attach hereto duplicate original of said Articles of Amendment.

Given under my hand and the Great Seal of the said State at the City of Charleston, this

SIXTEENTH *day of*
AUGUST 19*81*

J. A. James Manchin
Secretary of State



Filing fee: \$5.00
License tax: \$240.00

SECRETARY OF STATE OF
WEST VIRGINIA

THIS DATE AUG 16 1981

ARTICLES OF AMENDMENT
to
ARTICLES OF INCORPORATION
of

BECKLEY WATER COMPANY

Pursuant to the provisions of Section 31, Article 1, Chapter 31 of the Code of West Virginia, the undersigned corporation adopts the following Articles of Amendment to its Articles of Incorporation:

FIRST: The name of the corporation is _____

BECKLEY WATER COMPANY

SECOND: The following Amendments of the Articles of Incorporation were adopted by the shareholders (Note 1) of the corporation on August 14, 19 81, in the manner prescribed by Sections 107 and 147, Article 1, Chapter 31.

(Please type double space. If not sufficient room here to cover this point, add one or more sheets of this size.)

BE IT RESOLVED that the Certificate of Incorporation of this corporation, issued by the Secretary of State of West Virginia on the 24th day of June, 1928, and amended by Certificate of Amendment issued by the Secretary of State of West Virginia on November 21, 1972 and further amended by Certificate issued by the Secretary of State dated the 8th day of August, 1977, be further amended as follows:

Paragraph IV of said Certificate of Incorporation which now reads as follows:

"IV. The amount of the total authorized capital stock of said corporation shall be Four Million Five Hundred Thousand Dollars (\$4,500,000.00) which shall be divided as follows:

(a) Two Million Five Hundred Thousand Dollars (\$2,500,000.00) shall be divided into one hundred thousand (100,000) shares of common stock with the par value of Twenty-Five Dollars (\$25.00) each, fully paid and non-assessable, and being the capital stock now issued and outstanding;

(b) Two Million Dollars (\$2,000,000.00) in preferred stock which shall be divided in such number of shares and such series with such variations in the relative rights and preferences as between different series as may be fixed and determined by the Board of Directors as hereinafter authorized.

(c) The Board of Directors shall have authority to divide any or all of the preferred stock into series and the variations and the relative rights and preferences as between different series of preferred stock shall be such as are hereafter fixed and determined by the Board of Directors, but all shares of the same class shall be identical except as to the following relative rights and preferences as to which there may be variations between different series:

1-the rate of dividend

2-whether shares may be redeemed and, if so, the redemption price and the terms and conditions of redemption.

3-the amount payable upon shares in the event of voluntary and involuntary liquidation.

4-sinking fund provisions, if any, for the redemption or purchase of shares.

5-the terms and conditions, if any, upon which shares may be converted.

6-voting rights, if any.

In order for the Board of Directors to establish a series of preferred stock the Board of Directors shall adopt a resolution setting forth the designation of the series and fixing and determining the relative rights and preferences thereof and prior to the issue of any such shares of a series established by resolution adopted by the Board of Directors, the corporation shall file in the office of the Secretary of State a statement setting forth the information required by Chapter 31, Article 1, Section 79 of the Code of West Virginia, as amended, and shall carry out fully all of the requirements of said Chapter 31, Article 1, Section 79 of said Code."

shall be amended to read as follows:

IV. The amount of the total authorized capital stock of said corporation shall be Five Million Dollars (\$5,000,000.00) which shall be divided into Two Hundred thousand shares (200,000) with a par value of Twenty-Five Dollars (\$25.00) each, fully paid and non-assessable.

THIRD: The number of shares of the corporation outstanding at the time of such adoption was 100,000; and the number of shares entitled to vote thereon was 100,000.

FOURTH: The designation and number of outstanding shares of each class entitled to vote thereon as a class were as follows:

<u>Class</u>	<u>Number of Shares</u>
Common	100,000

(Note 2)

FIFTH: The number of shares voted for such amendment was 78,857; and the number of shares voted against such amendment was 0.

(Note 2)

SIXTH: The number of shares of each class entitled to vote thereon as a class voted for and against such amendment, respectively, was:

<u>Class</u>	<u>Number of Shares Voted</u>	
	<u>For</u>	<u>Against</u>
	NOT APPLICABLE	

NOT APPLICABLE

(Note 2)

SEVENTH: The manner in which any exchange, reclassification, or cancellation of issued shares provided for in the amendment shall be effected is as follows:

NOT APPLICABLE

(Note 3)

EIGHTH: The manner in which such amendment effects a change in the amount of stated capital, and the amount of stated capital as changed by such amendment, are as follows:

The amendment eliminated a provision in the charter for the issuance of Two Million Dollars (\$2,000,000.00) in preferred stock and authorized an additional Two Million Five Hundred Thousand Dollars (\$2,500,000.00) in common stock consisting of one hundred thousand (100,000) shares with a par value of Twenty-Five Dollars (\$25.00) each-the authorized common stock to be Five Million Dollars (\$5,000,000.00) consisting of two hundred thousand (200,000) shares with a par value of Twenty-Five Dollars (\$25.00) each.

(Note 1)

Dated August 14, 19 81

BECKLEY WATER COMPANY (Note 4)

By Michael Stealy
its President

and B.K. Luoni
its Assistant Secretary

(Note 5)

STATE OF WEST VIRGINIA

COUNTY OF RALEIGH

SS

I, Karen E. Lilly, a notary public, do hereby certify that on this 14th day of August, 19 81, personally appeared before me WILMER A. STANLEY, who, being by me first duly sworn, declared that he is the President of BECKLEY WATER COMPANY

that he signed the foregoing document as President of the corporation, and that the statements therein contained are true.

(NOTARIAL SEAL)

COMMISSIONED AS:
KAREN E. BREEDEN

Karen E. Lilly
Notary Public

- Notes:
1. Change to "board of directors" if no shares have been issued.
 2. If inapplicable, omit.
 3. This article may be omitted if the subject matter is set forth in the amendment or if it is inapplicable.
 4. Exact corporate name of corporation adopting the Articles of Amendment.
 5. Signatures and titles of officers signing for the corporation.
 6. This articles of amendment to the articles of incorporation must be filed in duplicate.

Articles of Amendment prepared by:

Name W. H. FILE, JR.
Attorney at Law
Address FILE, PAYNE, SCHERER & BROWN
Post Office Drawer "L"
Beckley, West Virginia 25801

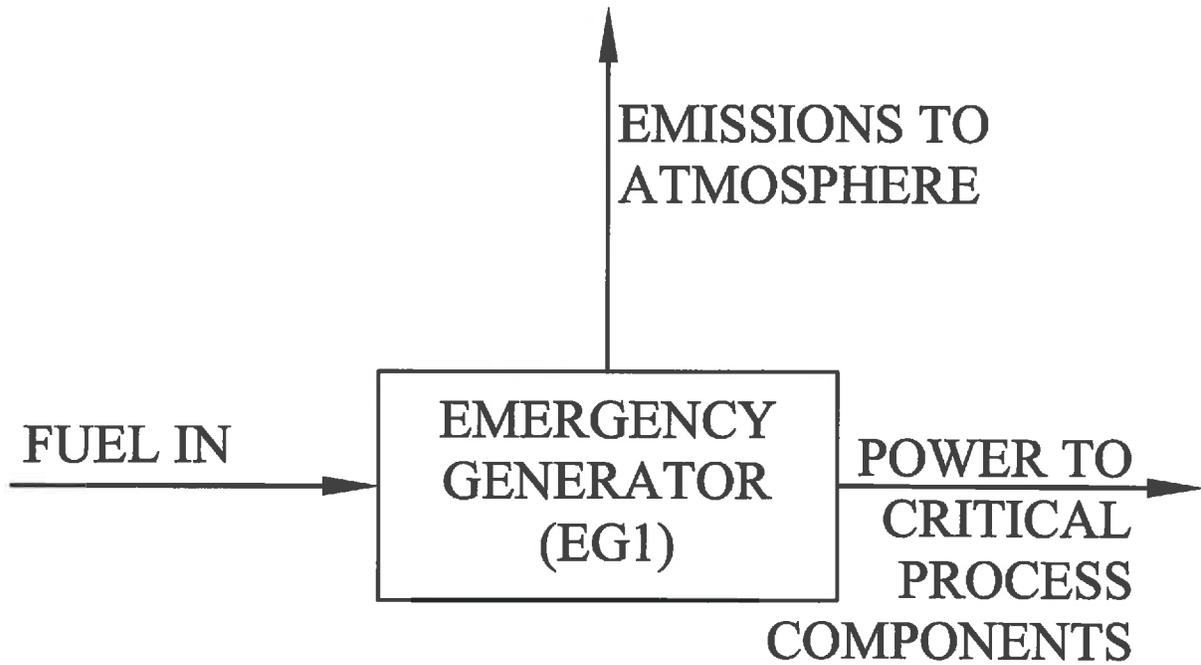
ATTACHMENT B
Process Description

The Beckley Water Company is a potable water treatment facility located at 701 Sweeneysburg Road, Beckley, West Virginia. The site is equipped with a 2,220 horsepower (hp) diesel-fueled Cummins, Inc QSK50 engine, that drives a 1,500kW emergency generator. The unit was purchased and installed new in 2016. As an emergency generator, this unit operated less than 500 hours per year. This unit's purpose is to provide electrical power to the Beckley Water Company facility in the event off-site power is lost for any reason. The generator is located on the southwest corner of the facility's lot and contains a fuel storage tank with a capacity of 3,000 gallons.

ATTACHMENT C
Description of Fugitive Emissions

This attachment is not required for General Permit G60-C.

ATTACHMENT D
Process Flow Diagram



LAYOUT TAB: ATTACHMENT D
 CAD FILE: \\ITG-FS1\Thrasher\Common\Ben Stemple\BECKLEY WTP DIAGRAM.dwg

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PROCESS FLOW DIAGRAM
 701 SWEENEYSBURG RD.
 WATER TREATMENT PLANT
 EMERGENCY GENERATOR
 BECKLEY WATER COMPANY
 BECKLEY, WV

THRASHER

800 WHITE OAKS BLVD. P.O. BOX 640
 BRIDGEPORT WV 26330
 www.thrashereng.com

PHONE
 (304) 624-4108

FAX
 (304) 624-7831

ATTACHMENT D
 AUGUST 31, 2016

ATTACHMENT E
Plot Plan

479200

4186500

4186500



UTM Northing (m): 4186457.3
 UTM Easting (m): 479264.8
 Elevation: 2,040 feet



Sweeneysburg Road

EG - 1
T - 1



 Property Boundary

All coordinates shown in UTM projection: Zone 17, NAD 83
 Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNR/Airphoto DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGC, Swisstopo, and the GIS User Community

479200

4186000

4186000



Attachment E: Plot Plan
 Sweeneysburg Road Water Treatment Plant
 701 Sweeneysburg Rd. Beckley, WV



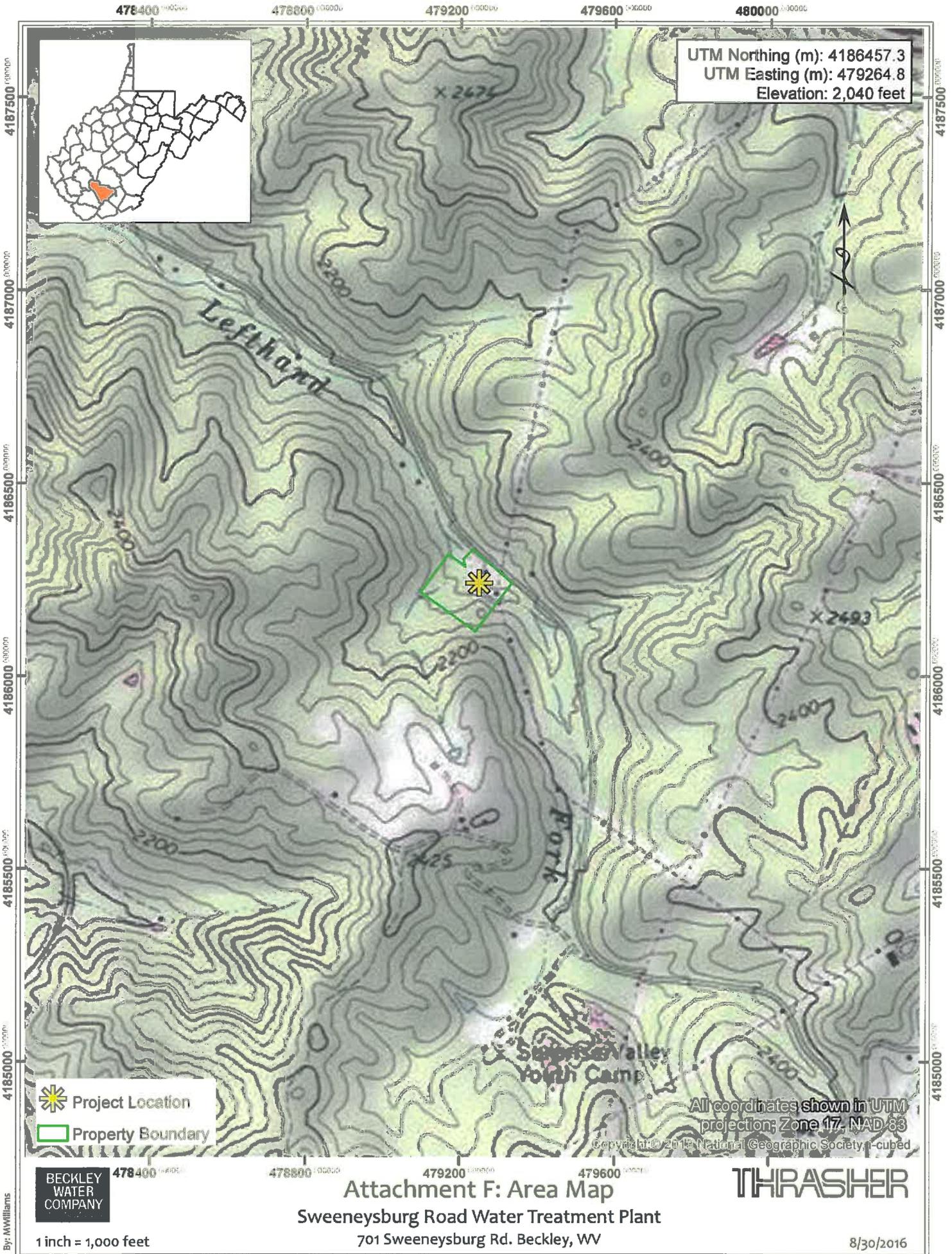
1 inch = 200 feet

8/30/2016

Document Path: R:\Common\Julie Barry\Active Projects\Beckley Water Company\GIS\WXD\AttachmentE.mxd

By: MWilliams

ATTACHMENT F
Area Map



By: MWilliams



1 inch = 1,000 feet

Attachment F: Area Map
Sweenysburg Road Water Treatment Plant
 701 Sweenysburg Rd. Beckley, WV



8/30/2016

ATTACHMENT G
Affected Source Sheet

G60-C REGISTRATION APPLICATION FORMS

General Permit G60-C Registration Section Applicability Form

General Permit G60-C was developed to allow qualified registrants to seek registration for emergency generator(s).

General Permit G60-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 checked="" 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		EG-1	
Engine Manufacturer and Model		Cummins Inc DQGAB	
Manufacturer's Rated bhp/rpm		2220 bhp @ 1800 rpm	
Source Status ²		NS	
Date Installed/Modified/Removed ³		2016	
Engine Manufactured/Reconstruction Date ⁴		2016	
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	N/A	
	Fuel Type ⁹	2FO	
	H ₂ S (gr/100 scf)		
	Operating bhp/rpm	2220 bhp @ 1800rpm	
	BSFC (Btu/bhp-hr)	6,644.14	
	Fuel throughput (ft ³ /hr)	107.7 gal/hr	
	Fuel throughput (MMft ³ /yr)	53.85 Mgal/hr	
	Operation (hrs/yr)	500	
Reference ¹⁰	Potential Emissions ¹¹	lbs/hr	tons/yr
MD	NO _x	20.50	5.13
MD	CO	4.40	1.10
AP	VOC	5.16	1.29
AP	SO ₂	4.278	1.07
MD	PM ₁₀	2.51	0.63
AP	Formaldehyde	0.0174	0.0044

1. Enter the appropriate Source Identification Number for each emergency generator. Generator engines should be designated EG-1, EG-2, EG-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 IIII. 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§60.4210 as appropriate.

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

6. 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.

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

LB2S	Lean Burn Two Stroke	RB4S	Rich Burn Four Stroke
LB4S	Lean Burn Four Stroke		

8. Enter the Air Pollution Control Device (APCD) type designation(s) using the following codes:

A/F	Air/Fuel Ratio	IR	Ignition Retard
HEIS	High Energy Ignition System	SIPC	Screw-in Precombustion Chambers
PSC	Prestratified Charge	LEC	Low Emission Combustion
NSCR	Rich Burn & Non-Selective Catalytic Reduction	SCR	Lean Burn & Selective Catalytic Reduction

9. Enter the Fuel Type using the following codes:

PQ	Pipeline Quality Natural Gas	RG	Raw Natural Gas
2FO	#2 Fuel Oil	LPG	Liquid Propane Gas

10. Enter the Potential Emissions Data Reference designation using the following codes. Attach all referenced data to this *Compressor/Generator Data Sheet(s)*.

MD	Manufacturer's Data	AP	AP-42	
GR	GRI-HAPCalc™	OT	Other _____	(please list)

11. 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*.

STORAGE TANK DATA SHEET

Source ID # ¹	Status ²	Content ³	Volume ⁴	Dia ⁵	Throughput ⁶	Orientation ⁷	Liquid Height ⁸
T01	NEW	Diesel	3,000	4.0	6,000	HORZ	3.0

1. Enter the appropriate Source Identification Numbers (Source ID #) for each storage tank located at the compressor station. Tanks should be designated T01, T02, T03, etc.
2. Enter storage tank Status using the following:

EXIST Existing Equipment	NEW Installation of New Equipment
REM Equipment Removed	
3. Enter storage tank content such as condensate, pipeline liquids, glycol (DEG or TEG), lube oil, etc.
4. Enter storage tank volume in gallons.
5. Enter storage tank diameter in feet.
6. Enter storage tank throughput in gallons per year.
7. Enter storage tank orientation using the following:

VERT Vertical Tank	HORZ Horizontal Tank
--------------------	----------------------
8. Enter storage tank average liquid height in feet.

EMERGENCY GENERATOR EMISSION SUMMARY SHEET FOR CRITERIA POLLUTANTS										
Emergency Generator Location: 701 Sweeneysburg Rd, Beckley, WV						Registration Number (Agency Use) <u>G60-C</u>				
	Potential Emissions (lbs/hr)					Potential Emissions (tons/yr)				
Source ID No.	NO_x	CO	VOC	SO₂	PM₁₀	NO_x	CO	VOC	SO₂	PM₁₀
EG-1	20.50	4.40	5.16	4.28	2.51	5.13	1.10	1.29	1.07	0.63
Total	20.50	4.40	5.16	4.28	2.51	5.13	1.10	1.29	1.07	0.63

EMERGENCY GENERATOR EMISSION SUMMARY SHEET FOR HAZARDOUS/TOXIC POLLUTANTS												
Emergency Generator Location: 701 Sweeneysburg Rd, Beckley, WV							Registration Number (Agency Use) <u>G60-C</u>					
	Potential Emissions (lbs/hr)						Potential Emissions (tons/yr)					
Source ID No.	Benzene	Ethyl-benzene	Toluene	Xylenes	n-Hexane	Formaldehyde	Benzene	Ethyl-benzene	Toluene	Xylenes	n-Hexane	Formaldehyde
EG-1	0.0138	0	0.0060	0.00420	0	0.0174	0.0034	0	0.0015	0.0011	0	0.0044
Total	0.0138	0	0.0060	0.00420	0	0.0174	0.0034	0	0.0015	0.0011	0	0.0044

**General Permit Levels
Construction, Modification, Relocation, Administrative Update**

Class II General Permits – G10-C (Coal Preparation and Handling), G20-B (Hot Mix Asphalt), G30-D (Natural Gas Compressor Stations), G35-A (Natural Gas Compressor Stations with Flares/Glycol Dehydration Units), G40-B (Nonmetallic Minerals Processing), G50-B (Concrete Batch Plant), G60-C (Emergency Generators)

Class I General Permit - G65-C (Emergency Generators)

General Permit	Public Notice	Review Period as per 45CSR13	Application Fee	Criteria	Application Type
Class II General Permit (Construction)	30 days (applicant)	90 days	\$500 + applicable NSPS fees	6 lb/hr and 10 tpy of any regulated air pollutant OR 144 lb/day of any regulated air pollutant, OR 2 lb/hr of any hazardous air pollutant OR 5 tpy of aggregated HAP OR 45CSR27 TAP (10% increase if above BAT triggers or increase to BAT triggers) or subject to applicable standard or rule, but subject to specific eligibility requirements	Registration Application
Class II General Permit (Modification)	30 days (applicant)	90 days	\$500 + applicable NSPS fees	Same as Class II General Permit (Construction) but subject to specific eligibility requirements	Registration Application
Administrative Update (Class I)	None	60 days	None	Decrease in emissions or permanent removal of equipment OR more stringent requirements or change in MRR that is equivalent or superior	Registration Application or Written Request
Administrative Update (Class II)	30 days (applicant)	60 days	\$300 + applicable NSPS fees	No change in emissions or an increase less than Class II Modification levels	Registration Application
Relocation	30 days (applicant)	45 days	\$500 + applicable NSPS fees	No emissions increase or change in facility design or equipment	Registration Application
Class I General Permit	None	45 days	\$250	Same as Class II General Permit (Construction) but subject to specific eligibility requirements	Registration Application

ATTACHMENT H
Air Pollution Control Device Data Sheet

This attachment is not required for General Permit G60-C.

ATTACHMENT I
Emission Calculations

Attachement I - Emission Calculations
Diesel Generator WorkSheet

Source Designation	Engine	Generator
Year Manufactured ¹	2016	2016
Date Installed ¹	2016	2016
Manufacturer ¹	Cummins Inc	Cummins Inc
Model No. ¹	QSK50	DQGAB
Stroke Cycle ²	4-Stroke	-
Type of Burn	Lean	-
Fuel Used ³	Diesel	-
Fuel Sulfur Content (%) ⁴	0.0015	-
Fuel Heating Value (BTU [HHV]/gal) ⁵	137030	-
Displacement (L per cylinder) ²	50.3	-
Rated Horsepower (BHP) ¹	2220	-
Generating Capacity (kW) ²	-	1500
Maximum Fuel Consumption at 100% Load (gal/hr) ²	107.7	-
Fuel Consumption lb/hr	765.63	-
Heat Input (MMBTU/hr) ⁶	14.75	-

Operational Details:

Potential Annual Hours of Operation (hr/yr):	500
Potential Fuel Consumption (gal/hr):	107.7

Mgal/yr: 53.85

Pollutant	Emissions Factor	Potential Emissions (lb/hr)	Potential Emissions (ton/year)
NO ₂	1.39	20.30	5.13
CO ₂	0.298	4.40	1.10
PM ₁₀ ²	0.17	2.51	0.63
PM _{2.5} ²	0.17	2.51	0.63
SO ₂	0.29	4.28	1.07
CO ₂	73.96	1090.91	272.73
VOC	0.35	5.16	1.29
1,3-Butadiene	0.000391	0.0006	0.0001
Acetaldehyde	0.000767	0.0113	0.0028
Acrolein	0.000925	0.0014	0.0003
Benzene	0.000933	0.0138	0.0034
Formaldehyde	0.00118	0.0174	0.0044
PAH	0.000168	0.0025	0.0006
Propylene	0.00258	0.0381	0.0095
Toluene	0.000409	0.0060	0.0015
Xylene	0.000285	0.0042	0.0011
HAPs	-	0.0952	0.0238

NOTES:

AP-42 Table 3.4-1 Emission Factors for Diesel Generators.

AP-42 Section 3.4, Table 3.4-1 Gaseous Emission Factors for large Stationary Diesel Engines and All Dual-Fuel Stationary Engines, Supplement B, October 1996.

AP-42 Section 3.3, Table 3.3-1 Emission Factors for Uncontrolled Gasoline and Diesel Industrial Engines, Supplement B, October 1996.

1: Values from unit nameplate.

2: Value from unit's spec sheet (2016 EPA Tier 2 Exhaust Emission Compliance States 1500DQGAB Stationary Emergency 60 Hz Diesel Generator Set.)

3: Value from unit's spec sheet (Diesel generator set QSK50 series engine Cummins)

4: Per 40 CFR 80 Subpart 1, maximum sulfur content of ULSD is 15 ppm (i.e., 0.0015%)

5: Value assumed to be product of 19,300 Btu/lb and 7.1 lb/gal, per AP-42 Section 3.4, Table 3.4-1

6: Value is calculated from the Fuel's heating value and engine's hourly fuel consumption.



2016 EPA Tier 2 Exhaust Emission Compliance Statement 1500DQGAB 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:	GCEXL050.AAD-024
Effective Date:	11/04/2015
Date Issued:	11/04/2015
EPA Engine Family (Cummins Emissions Family):	GCEXL050.AAD (D283)

Engine Information:

Model:	QSK50 / QSK50-G / QSK50-G4 NR2	Bore:	6.25 in. (159 mm)
Engine Nameplate HP:	2220	Stroke:	6.25 in. (159 mm)
Type:	4 Cycle, 60°V, 16 Cylinder Diesel	Displacement:	3067 cu. in. (50.3 liters)
Aspiration:	Turbocharged and CAC	Compression Ratio:	15.0:1
Emission Control Device:	Electronic Control	Exhaust Stack Diameter:	2 - 10 in.

Diesel Fuel Emission Limits

D2 Cycle Exhaust Emissions

	Grams per BHP-hr			Grams per kWm-hr		
	<u>NOx + NMHC</u>	<u>CO</u>	<u>PM</u>	<u>NOx + NMHC</u>	<u>CO</u>	<u>PM</u>
Test Results - Diesel Fuel (300-4000 ppm Sulfur)	4.6	0.9	0.06	6.1	1.2	0.08
EPA Emissions Limit	4.8	2.6	0.15	6.4	3.5	0.20
Test Results - CARB Diesel Fuel (<15 ppm Sulfur)	4.2	0.9	0.05	5.6	1.2	0.07
CARB Emissions Limit	4.8	2.6	0.15	6.4	3.5	0.20

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.

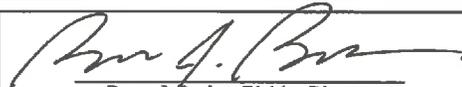


**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
2016 MODEL YEAR
CERTIFICATE OF CONFORMITY
WITH THE CLEAN AIR ACT**

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

Certificate Issued To: Cummins Inc.
(U.S. Manufacturer or Importer)
Certificate Number: GCEXL050.AAD-024

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: GCEXL050.AAD

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

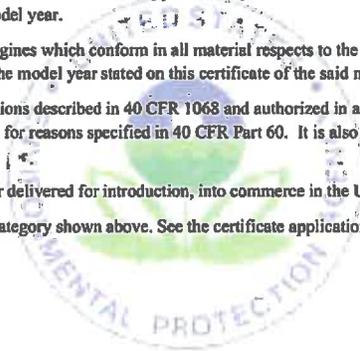
Pursuant to Section 111 and Section 213 of the Clean Air Act (42 U.S.C. sections 7411 and 7547) and 40 CFR Part 60, and subject to the terms and conditions prescribed in those provisions, this certificate of conformity is hereby issued with respect to the test engines which have been found to conform 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.

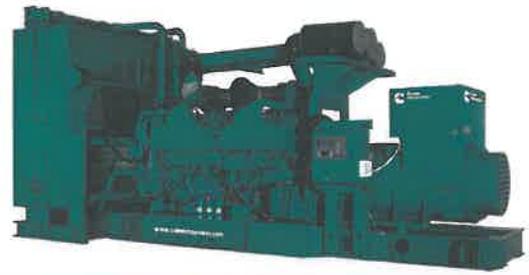
It is a term of this certificate that the manufacturer shall consent to all inspections described in 40 CFR 1068 and authorized in a warrant or court order. Failure to comply with the requirements of such a warrant or court order may lead to revocation or suspension of this certificate for reasons specified 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.

The actual engine power may lie outside the limits of the Emissions Power Category shown above. See the certificate application for details.



Diesel generator set QSK50 series engine



> **Specification sheet**
1100 kW - 1500 kW 60 Hz



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Description

Cummins Power Generation commercial generator sets are fully integrated power generation systems providing optimum performance, reliability and versatility for stationary standby and prime power applications. Codes or standards compliance may not be available with all model configurations – consult factory for availability.



This generator set is designed in facilities certified to ISO 9001 and manufactured in facilities certified to ISO 9001 or ISO 9002.



The Prototype Test Support (PTS) program verifies the performance integrity of the generator set design. Cummins Power Generation products bearing the PTS symbol meet the prototype test requirements of NFPA 110 for Level 1 systems.



All low voltage models are CSA certified to product class 4215-01.



The generator set is available listed to UL 2200, Stationary Engine Generator Assemblies for all 60 Hz low voltage models. The PowerCommand control is Listed to UL 508 - Category NITW7 for U.S. and Canadian usage. Circuit breaker assemblies are UL 489 Listed for 100% continuous operation and also UL 869A Listed Service Equipment.

U.S. EPA

Engine certified to Stationary Emergency U.S. EPA New Source Performance Standards, 40 CFR 60 subpart IIII Tier 2 exhaust emission levels. U.S. applications must be applied per this EPA regulation.

International Building Code

The generator set package is available certified for seismic application in accordance with the following International Building Code: IBC2000, IBC2003, IBC2006 and IBC2009.

Features

Cummins® heavy-duty engine - Rugged 4-cycle, industrial diesel delivers reliable power, low emissions and fast response to load changes.

Alternator - Several alternator sizes offer selectable motor starting capability with low reactance 2/3 pitch windings, low waveform distortion with non-linear loads and fault clearing short-circuit capability.

Permanent magnet generator (PMG) - Offers enhanced motor starting and fault clearing short-circuit capability.

Control system - The PowerCommand® electronic control is standard equipment and provides total genset system integration including automatic remote starting/stopping, precise frequency and voltage regulation, alarm and status message display, AmpSentry™ protection, output metering, auto-shutdown at fault detection and NFPA 110 Level 1 compliance.

Cooling system - Standard integral set-mounted radiator system, designed and tested for rated ambient temperatures, simplifies facility design requirements for rejected heat.

NFPA - The genset accepts full rated load in a single step in accordance with NFPA 110 for Level 1 systems.

Warranty and service - Backed by a comprehensive warranty and worldwide distributor network.

Model	Standby rating		Prime rating		Continuous rating		Data sheets	
	60 Hz kW (kVA)	50 Hz kW (kVA)	60 Hz kW (kVA)	50 Hz kW (kVA)	60 Hz kW (kVA)	50 Hz kW (kVA)	60 Hz	50 Hz
DQGAA	1250 (1563)		1100 (1375)				D-3333	
DQGA8	1500 (1875)		1350 (1688)				D-3334	

Generator set specifications

Governor regulation class	ISO8528 Part 1 Class G3
Voltage regulation, no load to full load	± 0.5%
Random voltage variation	± 0.5%
Frequency regulation	Isochronous
Random frequency variation	± 0.25%
Radio frequency emissions compliance	IEC 801.2 through IEC 801.5; MIL STD 461C, Part 9

Engine specifications

Bore	158.8 mm (6.25 in)
Stroke	158.8 mm (6.25 in)
Displacement	50.3 litres (3067 in ³)
Configuration	Cast iron, V 16 cylinder
Battery capacity	1800 amps minimum at ambient temperature of 0 °C (32 °F)
Battery charging alternator	35 amps
Starting voltage	24 volt, negative ground
Fuel system	Cummins' Modular Common Rail System
Fuel filter	Dual element 10 micron filtration spin-on fuel filter with 15 micron water separator
Air cleaner type	Dry replaceable element
Lube oil filter type(s)	Four spin-on, combination full flow filter and bypass filters
Standard cooling system	High ambient radiator

Alternator specifications

Design	Brushless, 4 pole, drip proof revolving field
Stator	2/3 pitch
Rotor	Single bearing, flexible disc
Insulation system	Class H
Standard temperature rise	150 °C standby at 40 °C ambient
Exciter type	PMG (permanent magnet generator)
Phase rotation	A (U), B (V), C (W)
Alternator cooling	Direct drive centrifugal blower fan
AC waveform total harmonic distortion	< 5% no load to full linear load, < 3% for any single harmonic
Telephone influence factor (TIF)	< 50 per NEMA MG1-22.43
Telephone harmonic factor (THF)	< 3

Available voltages

60 Hz line-neutral/line-line	50 Hz line-neutral/line-line
<ul style="list-style-type: none"> • 220/380 • 277/480 • 2400/4160 • 255/440 • 347/600 	

* Note: Consult factory for other voltages.

Generator set options and accessories

Engine

- 208/240/480 V thermostatically controlled coolant heater for ambient above 4.5 °C (40 °F)
- 208/240/480 V thermostatically controlled coolant heater for ambient below 4.5 °C (40 °F)
- Dual 120 V 300 W lube oil heaters
- Dual 208/240 V 300 W lube oil heaters
- Dual 480 V 300 W lube oil heaters

Control panel

- 120/240 V 100 W control anti-condensation heater
- Paralleling configuration
- Remote fault signal package
- Run relay package
- Exhaust pyrometer
- Fuel pressure indication
- Ground fault indication

Alternator

- 80 °C rise
- 105 °C rise
- 125 °C rise
- 120/240 V 300 W anti-condensation heater

Exhaust system

- Industrial grade exhaust silencer
- Residential grade exhaust silencer
- Critical grade exhaust silencer
- Exhaust packages

Cooling system

- Remote radiator

Generator set

- AC entrance box
- Battery
- Battery charger
- Circuit breaker - set mounted
- Disconnect switch - set mounted
- PowerCommand Network
- Remote annunciator panel
- Spring isolators
- 2 year warranty
- 5 year warranty
- 10 year major components warranty

* Note: Some options may not be available on all models - consult factory for availability.

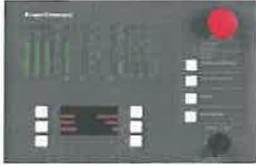
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Control system PCC 3201



PowerCommand control is an integrated generator set control system providing governing, voltage regulation, engine protection and operator interface functions. Major features include:

- Integral AmpSentry™ Protective Relay providing a full range of alternator protection functions that are matched to the alternator provided.
- Battery monitoring and testing features and smart starting control system.
- Three phase sensing, full wave rectified voltage regulation system, with a PWM output for stable operation with all load types.
- Control suitable for operation in ambient temperatures from -40 °C to +70 °C (-40 °F to +158 °F) and altitudes to 5000 meters (13,000 feet).
- Prototype tested; UL, CSA, and CE compliant.
- InPower™ PC-based service tool available for detailed diagnostics.
- Optional Echelon® LONWORKS® network interface.

Operator/display panel

- Off/manual/auto mode switch
- Manual run/stop switch
- Panel lamp test switch
- Emergency stop switch
- Exercise switch
- Alpha-numeric display with pushbutton access for viewing engine and alternator data and providing setup, controls and adjustments
- LED lamps indicating not in auto, common warning, common shutdown, remote start
- Configurable for local language

Engine protection

- Overspeed shut down
- Low oil pressure warning and shut down
- High coolant temperature warning and shut down
- High oil temperature warning
- Low coolant level warning or shut down
- Low coolant temperature warning
- High and low battery voltage warning
- Weak battery warning
- Dead battery shut down
- Fail to start (overcrank) shut down
- Fail to crank shut down
- Redundant start disconnect
- Cranking lockout
- Sensor failure indication

Engine data

- DC voltage
- Lube oil pressure
- Coolant temperature
- Lube oil temperature
- Engine speed
- Engine ECM data

AmpSentry AC protection

- Over current and short-circuit shut down
- Over current warning
- Single and three phase fault regulation
- Over and under voltage shut down
- Over and under frequency shut down
- Overload warning with alarm contact
- Reverse power and reverse Var shut down

Alternator data

- Line-to-line and line-to-neutral AC volts
- Three phase AC current
- Frequency
- Total and individual phase power factor, kW and kVA
- Bus voltage and frequency (with paralleling options)

Other data

- Genset model data
- Start attempts, starts, running hours
- kW hours (total and since reset)
- Fault history
- Load profile (accessible with InPower)

Governing

- Digital electronic isochronous governor
- Temperature dynamic governing
- Smart idle speed mode

Voltage regulation

- Digital PWM electronic voltage regulation
- Three phase line-to-neutral sensing
- Single and three phase fault regulation
- Configurable torque matching

Control functions

- Data logging on faults
- Fault simulation (requires InPower)
- Time delay start and cooldown
- Cycle cranking
- Configurable customer outputs (4)
- Configurable network inputs (8) and outputs (16) (with optional network)
- Remote emergency stop

Paralleling (Option)

- Active digital phase lock loop synchronizer
- Isochronous kW and kVar load sharing controls
- kW import/export and kVar/PF control for utility (mains) paralleling

Options

- Thermostatically controlled space heater
- Key-type mode switch
- Ground fault module
- Auxiliary relays (3)
- Echelon LONWORKS interface
- Modion Gateway to convert to Modbus (loose)
- PowerCommand iWatch web server for remote monitoring and alarm notification (loose)
- Digital input and output module(s) (loose)
- Remote annunciator (loose)
- Paralleling
- Power transfer control

For further detail see document S-1444.

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Ratings definitions

Emergency standby power (ESP):

Applicable for supplying power to varying electrical load for the duration of power interruption of a reliable utility source. Emergency Standby Power (ESP) is in accordance with ISO 8528. Fuel Stop power in accordance with ISO 3046, AS 2789, DIN 6271 and BS 5514.

Limited-time running power (LTP):

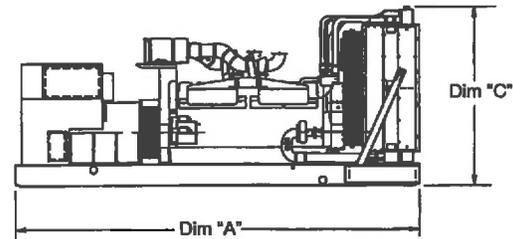
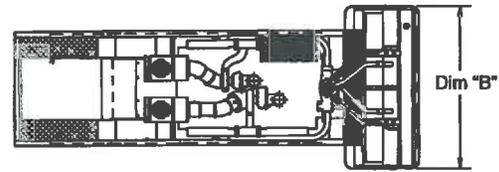
Applicable for supplying power to a constant electrical load for limited hours. Limited Time Running Power (LTP) is in accordance with ISO 8528.

Prime power (PRP):

Applicable for supplying power to varying electrical load for unlimited hours. Prime Power (PRP) is in accordance with ISO 8528. Ten percent overload capability is available in accordance with ISO 3046, AS 2789, DIN 6271 and BS 5514.

Base load (continuous) power (COP):

Applicable for supplying power continuously to a constant electrical load for unlimited hours. Continuous Power (COP) in accordance with ISO 8528, ISO 3046, AS 2789, DIN 6271 and BS 5514.



This outline drawing is for reference only. See respective model data sheet for specific model outline drawing number.

Do not use for installation design

Model	Dim "A" mm (In.)	Dim "B" mm (In.)	Dim "C" mm (In.)	Set Weight* dry kg (lbs)	Set Weight* wet kg (lbs)
DQGAA	5969 (235)	2007 (79)	2840 (112)	10989 (24220)	11493 (25330)
DQGAB	5969 (235)	2007 (79)	2840 (112)	10989 (24220)	11493 (25330)

* Note: Weights represent a set with standard features. See outline drawings for weights of other configurations.

Cummins Power Generation

1400 73rd Avenue N.E.
Minneapolis, MN 55432 USA
Telephone: 763 574 5000
Fax: 763 574 5298

Warning: Back feed to a utility system can cause electrocution and/or property damage. Do not connect to any building's electrical system except through an approved device or after building main switch is open.

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S-1512g (6/11)



AIR QUALITY PERMIT NOTICE
Notice of Application

Notice is given that Beckley Water Company has applied to the West Virginia Department of Environmental Protection, Division of Air Quality, for a Class II General Permit G60-C for an Emergency Generator located on 701 Sweeneysburg Road, Beckley in Raleigh County, West Virginia.

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

CO	1.10 tpy	NOx	5.13 tpy
VOC	1.29 tpy	SO ₂	1.07 tpy
PM	0.63 tpy	PM ₁₀	0.63 tpy
PM _{2.5}	0.63 tpy	HAPs	0.024 tpy

Startup of operation is planned to begin on or about the 23rd day of September, 2016. 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 127, during normal business hours.

Dated this the 16th day of September, 2016

By: Beckley Water Company
Matthew W. Stanley
President, CEO, and Chairman of the Board
P.O. Box 2400
Beckley, WV 25802

ATTACHMENT K
Electronic Submittal

Electronic copies of the following documents are enclosed in this application:

- Registration Application File
- Affected Source Sheets
- Process Flow Diagram
- Process Description File
- Area Map File
- Plot Plan File
- Emission Calculations Spreadsheet

ATTACHMENT L
Application Fee

This page is a placeholder for the check payable to the WVDEP – Division of Air Quality for the aforementioned application fee. All permit applications pursuant to G60-C (Emergency Generators) shall pay an application fee of \$500. In addition to this fee, an additional \$ 1,000 is assessed for a New Source Performance Standards (NSPS) requirement review.

The total fee included with this application is \$1,500.