



west virginia department of environmental protection

Division of Air Quality
601 57th Street SE
Charleston, WV 25304
Phone 304/926-0475

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

October 27, 2015

CERTIFIED MAIL
91 7199 9991 7035 6613 3174

Mr. Jonathon Raess
Union Carbide Corporation
P.O. Box 8361
South Charleston, WV 25303

RE: Approved Registration G60-C023A
Union Carbide Corporation
Institute Plant
Permit Application G60-C023A
Plant ID No. 039-00005

Dear Mr. Raess:

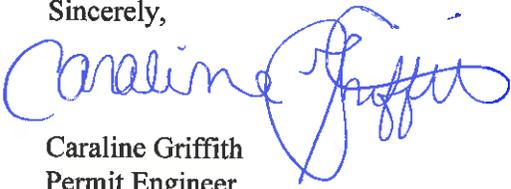
The Director has determined that the submitted Class II Administrative Update Application and proposed Administrative Updates and operation of an oil and natural gas production facility demonstrates eligibility and compliance with the requirements, provisions, standards and conditions of General Permit G60-C and hereby grants General Permit registration authorizing the proposed activity.

General Permit G60-C can be accessed electronically at www.dep.wv.gov/daq/permitting/Pages/airgeneralpermit.aspx. Hard copies are available upon request by contacting Danielle Wentz at (304)926-0499 ext. 1193.

Please be aware of the actions required in Monitoring Requirements, Testing Requirements, Recordkeeping Requirements, and the Reporting Requirements.

Should you have any questions, please contact the undersigned engineer at (304)926-0499 ext. 1258 or Caraline.F.Griffith@wv.gov.

Sincerely,


Caraline Griffith
Permit Engineer

Enclosures: Registration G60-C023A

c: Jay Fedczak
Environmental Contact

West Virginia Department of Environmental Protection

Division of Air Quality

*Randy C. Huffman
Cabinet Secretary*

**Class II General Permit
G60-C Registration Class II
Administrative Update**



for the
Prevention and Control of Air Pollution in regard to the
Construction, Modification, Relocation, Administrative Update and
Operation of Emergency Generators

*The permittee identified at the facility listed below is authorized to
construct the stationary sources of air pollutants identified herein in accordance
with all terms and conditions of General Permit G60-C.*

G60-C023A

**Issued to:
Union Carbide Corporation
Institute Facility
039-00005**

A handwritten signature in blue ink, appearing to read "William F. Durham", written over a horizontal line.

*William F. Durham
Director*

Issued: October 27, 2015

This permit registration supersedes and replaces permit registration G60-C023.

Facility Location: Institute, Kanawha County, West Virginia
Mailing Address: PO Box 8361
South Charleston, WV 25303
Facility Description: Emergency Generator
SIC Codes: 2869, 2879
UTM Coordinates: 432.189 km Easting • 4,248.754 km Northing • Zone 17
Registration Type: Class II Administrative Update
Description of Change: Update to reflect change in ownership of facility to Union Carbide Corporation and to update new estimated emissions.

Any person whose interest may be affected, including, but not necessarily limited to, the applicant and any person who participated in the public comment process, by a permit or registration issued, modified or denied by the Secretary may appeal such action of the Secretary to the Air Quality Board pursuant to article one [§§ 22B-1-1 et seq.], Chapter 22B of the Code of West Virginia. West Virginia Code §22-5-14.

The source is subject to 45CSR30. Changes authorized by this permit must also be incorporated into the facility's Title V operating permit. Commencement of the operations authorized by this permit shall be determined by the appropriate timing limitations associated with Title V permit revisions per 45CSR30.

Unless otherwise stated WVDEP DAQ did not determine whether the permittee is subject to an area source air toxics standard requiring Generally Achievable Control Technology (GACT) promulgated after January 1, 2007 pursuant to 40 CFR 63, including the area source air toxics provisions of 40 CFR 63, Subpart ZZZZ.

All registered facilities under Class II General Permit G60-C are subject to Sections 1.0, 2.0, 3.0, and 4.0.

The following sections of Class II General Permit G60-C apply to the registrant:

- Section 5 Reciprocating Internal Combustion Engines (R.I.C.E.)
- Section 6 Tanks
- Section 7 Standards of Performance for Stationary Compression Ignition Internal Combustion Engines (40CFR60 Subpart IIII)
- Section 8 Standards of Performance for Stationary Spark Ignition Internal Combustion Engines (40CFR60 Subpart JJJJ)

Emission Units

Emission Unit ID	Emission Unit Description (Make, Model, Serial No.)	Year Installed	Design Capacity
EG-1	Cummins, Inc. Model QSM11-G4	2010	470 bhp/1,800 rpm
6392N54277	#2 Fuel Oil Tank	2010	550 gallons

Emission Limitations

Emission Unit	Pollutant	Maximum Hourly Emissions (lb/hr)	Maximum Annual Emissions (tpy)
EG-1	Nitrogen Oxides	3.11	0.77
	Carbon Monoxide	2.69	0.67
	Volatile Organic Compounds	0.02	0.05
	Sulfur Dioxide	0.96	0.24
	Particulate Matter-10	0.16	0.03
	Formaldehyde	0.01	0.01