



west virginia department of environmental protection

Division of Air Quality  
601 57<sup>th</sup> Street SE  
Charleston, WV 25304  
Phone: (304) 926-0475 • FAX: (304) 926-0479

Earl Ray Tomblin, Governor  
Randy C. Huffinan, Cabinet Secretary  
www.wvdep.org

January 21, 2015

CERTIFIED MAIL  
91 7199 9991 7034 1380 3052

Mr. Doug Shields, General Manager, Administration  
Toyota Motor Manufacturing WV  
1 Sugar Maple Lane  
PO Box 600  
Buffalo, WV 25033

RE: **Application Status: Approved**  
TMMWV.  
Buffalo  
Registration G60-C005B  
Facility ID No. 079-00072

Dear Mr. Shields:

The Director has determined that your application for registration with the Class II general permit G60-C demonstrates eligibility and compliance with the requirements, provisions, standards and conditions of G60-C and, therefore, grants the registration. Please be aware, however, that the engines are subject to certain area source provisions of 40CFR63, Subpart ZZZZ and must meet all applicable requirements therein.

Should you have any questions, please contact me at (304) 926-0499 ext. 1219

Sincerely,

Joe Kessler, PE  
Engineer

Enclosures: General Permit Registration G60-C005B  
General Permit G60-C



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*This Class II General Permit Registration will supercede and replace G60-C005A issued on February 11, 2014.*

Facility Location: Buffalo, Putnam County, West Virginia  
Mailing Address: 1 Sugar Maple Lane, Post Office Box 600, Buffalo, WV 25033  
Facility Description: Motor Manufacturing Facility  
SIC/NAICS Codes: 3714/33635  
UTM Coordinates: 413.518 km Easting • 4,272.153 km Northing • Zone 17  
Latitude/Longitude: 38.59760/-81.99382  
Registration Type: Modification  
Description of Change: TMMWV is proposing to revise the emissions profile of the 49 horsepower (hp) General Motors GM-5.7L Model 30REZG emergency generator added under G60-C005A.

*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.*

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

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 (Bhp/rpm)
GEN-11E	Ford, LRG-4251 20RZ, 2019211	2005	41/1,800
GEN-11W	Ford, LRG-4251 20RZ, 201209	2005	41/1,800
GEN-12	Ford, LRG-4251 20RZ, 2019210	2005	41/1,800
GEN-13	Ford, LRG-4251 20RZ, 772651	2004	41/1,800
GEN-14	General Motors, GM-4.3L 45RZG, 2098698	2006	68/1,800
GEN-15	General Motors, GM-4.3L 45RZG, 2098697	2006	68/1,800
GEN-IS	General Motors, GM-4.3L 45RZG, 2016718	2005	68/1,800
GEN-SBR	General Motors, GM-5.7L 60RZG, 2085911	2007	105/1,800
GEN-Pharm	General Motors, GM-5.7L 30REZG, SGM329497	2014	49/1,800

**Emission Limitations**

Source ID#	Nitrogen Oxides		Carbon Monoxide		Volatile Organic Compounds	
	lb/hr	ton/yr	lb/hr	ton/yr	lb/hr	ton/yr
GEN-11E	0.63	0.16	1.06	0.26	0.01	0.01
GEN-11W	0.63	0.16	1.06	0.26	0.01	0.01
GEN-12	0.63	0.16	1.06	0.26	0.01	0.01
GEN-13	0.63	0.16	1.06	0.26	0.01	0.01
GEN-14	1.31	0.33	2.21	0.55	0.02	0.01
GEN-15	1.31	0.33	2.21	0.55	0.02	0.01
GEN-IS	1.31	0.33	2.21	0.55	0.02	0.01
GEN-SBR	1.78	0.45	3.00	0.75	0.02	0.01
GEN-Pharm	0.97	0.24	1.63	0.41	0.01	0.01
<b>TOTAL</b>	<b>9.20</b>	<b>2.32</b>	<b>15.50</b>	<b>3.85</b>	<b>0.13</b>	<b>0.09</b>