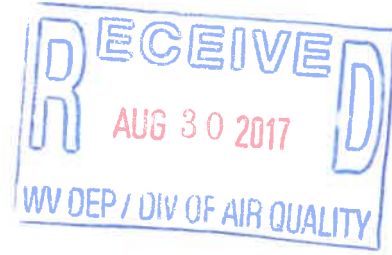




August 28, 2017



West Virginia Department of Environmental Protection
Division of Air Quality
601 67th Street, SE
Charleston, WV 25304

RE: American Tower – Permit Determination Form

To Whom It May Concern:

It has come to our attention by the West Virginia Department Protection that some of our emergency back-up power generators may not require Class I General Permits. We currently have 27 permitted generators in the State of West Virginia, so I will be submitting Permit Determination Forms for each of these. Please review each application and determine whether or not a formal permit is required. I have included the Permit Determination Forms for twelve 80kw generators in West Virginia. I have also included the Emergency Generator Engine Data Sheet, 2013 Certificate of Conformity, and Statement of Exhaust Emissions which are applicable for all 12 sites.

Very truly yours,

A handwritten signature in blue ink, appearing to read 'Jennifer Ruth'.

Jennifer Ruth
Environmental Compliance Specialist - Hazmat

SD080

Industrial Diesel Generator Set

EPA Certified Stationary Emergency

Standby Power Rating
100kVA 80kW 60Hz

Prime Power Rating
90kVA 72KW 60Hz

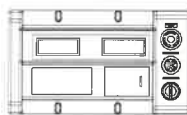
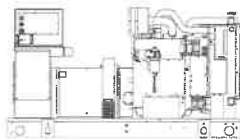


Generator image used for illustration purposes only

*EPA Certified Prime ratings are not available in the U.S. or its Territories for engine model year 2011 and beyond

features

benefits



Generator Set

- PROTOTYPE & TORSIONALLY TESTED
- UL2200 TESTED
- RHINOCOAT PAINT SYSTEM
- WIDE RANGE OF ENCLOSURES AND TANKS
- ▶ PROVIDES A PROVEN UNIT
- ▶ ENSURES A QUALITY PRODUCT
- ▶ IMPROVES RESISTANCE TO ELEMENTS
- ▶ PROVIDES A SINGLE SOURCE SOLUTION

Engine

- EPA COMPLIANT
- INDUSTRIAL TESTED, GENERAC APPROVED
- POWER-MATCHED OUTPUT
- INDUSTRIAL GRADE
- ▶ ENVIRONMENTALLY FRIENDLY
- ▶ ENSURES INDUSTRIAL STANDARDS
- ▶ ENGINEERED FOR PERFORMANCE
- ▶ IMPROVES LONGEVITY AND RELIABILITY

Alternator

- TWO-THIRDS PITCH
- LAYER WOUND ROTOR & STATOR
- CLASS H MATERIALS
- DIGITAL 3-PHASE VOLTAGE CONTROL
- ▶ ELIMINATES HARMFUL 3RD HARMONIC
- ▶ IMPROVES COOLING
- ▶ HEAT TOLERANT DESIGN
- ▶ FAST AND ACCURATE RESPONSE

Controls

- ENCAPSULATED BOARD W/ SEALED HARNESS
- 4-20mA VOLTAGE-TO-CURRENT SENSORS
- SURFACE-MOUNT TECHNOLOGY
- ADVANCED DIAGNOSTICS & COMMUNICATIONS
- ▶ EASY, AFFORDABLE REPLACEMENT
- ▶ NOISE RESISTANT 24/7 MONITORING
- ▶ PROVIDES VIBRATION RESISTANCE
- ▶ HARDENED RELIABILITY

primary codes and standards



SD080

application and engineering data

ENGINE SPECIFICATIONS

General

Make	Iveco / FPT
EPA Emissions Compliance	Stationary Emergency
EPA Emissions Reference	See Emissions Data Sheet
Cylinder #	4
Type	Diesel
Displacement - L (cu. in.)	4.5 (274)
Bore - mm (in.)	105 (4.1)
Stroke - mm (in.)	132 (5.2)
Compression Ratio	17.5:1
Intake Air Method	Turbocharged & Aftercooled
Cylinder Head Type	2 Valve
Piston Type	Aluminum
Crankshaft Type	Forged Steel
Engine Block Type	Cast Iron / Wet Sleeve

Engine Governing

Governor	Electronic Isochronous
Frequency Regulation (Steady State)	± 0.25%

Lubrication System

Oil Pump Type	Gear
Oil Filter Type	Full Flow
Crankcase Capacity - L (qts)	13.6 (14.4)

Cooling System

Cooling System Type	Closed
Water Pump Flow	Belt Driven Centrifugal
Fan Type	Pusher
Fan Blade Number	2538
Fan Diameter mm (in.)	26
Coolant Heater Wattage	1500
Coolant Heater Standard Voltage	120

Fuel System

Fuel Type*	Ultra Low Sulfur Diesel Fuel
Fuel Specifications	ASTM
Fuel Filtering (microns)	5
Fuel Inject Pump Make	Stanadyne
Fuel Pump Type	Engine Driven Gear
Injector Type	Mechanical
Engine Type	Direct Injection
Fuel Supply Line - mm (in.)	¼" NPT
Fuel Return Line - mm (in.)	¼" NPT

Engine Electrical System

System Voltage	12VDC
Battery Charging Alternator	Std
Battery Size (at 0°C)	995 CCA
Battery Group	31
Battery Voltage	12 Volt DC
Ground Polarity	Negative

ALTERNATOR SPECIFICATIONS

Standard Model	390 mm Generac
Poles	4
Field Type	Revolving
Insulation Class - Rotor	H
Insulation Class - Stator	H
Total Harmonic Distortion	< 5%
Telephone Interference Factor (TIF)	< 50
Standard Excitation	Synchronous Brushless
Bearings	One-Pre Lubed & Sealed
Coupling	Direct, Flexible Disc
Load Capacity - Standby	100%
Prototype Short Circuit Test	Yes

Voltage Regulator Type	Digital
Number of Sensed Phases	3
Regulation Accuracy (Steady State)	± 0.25%

CODES AND STANDARDS COMPLIANCE (WHERE APPLICABLE)

NFPA 99	BS5514
NFPA 110	SAE J1349
ISO 8528-5	DIN6271
ISO 1708A.5	IEEE C62.41 TESTING
ISO 3046	NEMA ICS 1

Rating Definitions:

Standby – Applicable for a varying emergency load for the duration of a utility power outage with no overload capability. (Max. load factor = 70%)

Prime – Applicable for supplying power to a varying load in lieu of utility for an unlimited amount of running time. (Max. load factor = 80%) A 10% overload capacity is available for 1 out of every 12 hours.

SD080

operating data (60Hz)

POWER RATINGS (kW)

Single-Phase 120/240VAC @1.0pf
 Three-Phase 120/208VAC @0.8pf
 Three-Phase 120/240VAC @0.8pf
 Three-Phase 277/480VAC @0.8pf
 Three-Phase 346/600VAC @0.8pf

STANDBY				PRIME			
80 kW	Amps:	333		72 kW	Amps:	300	
80 kW	Amps:	278		72 kW	Amps:	250	
80 kW	Amps:	241		72 kW	Amps:	217	
80 kW	Amps:	120		72 kW	Amps:	108	
80 kW	Amps:	96		72 kW	Amps:	87	

STARTING CAPABILITIES (sKVA)

sKVA vs. Voltage Dip

Alternator	kW	480VAC						208/240VAC					
		10%	15%	20%	25%	30%	35%	10%	15%	20%	25%	30%	35%
Standard	80	59	88	117	147	176	205	44	66	88	110	132	154
Upsize 1	100	79	118	157	197	236	275	59	89	118	148	177	206
Upsize 2	125	116	174	232	290	348	406	87	131	174	218	261	305

FUEL

Fuel Consumption Rates*

Fuel Pump Lift - in (mm)	36 (900)
Total Fuel Pump Flow (Combustion + Return)	13.6 gph

Percent Load	STANDBY		PRIME		
	gph	lph	Percent Load	gph	lph
25%	2.1	7.9	25%	1.9	7.2
50%	3.7	14.0	50%	3.4	12.9
75%	5.2	19.7	75%	4.7	17.8
100%	6.3	23.8	100%	5.8	22.0

* Refer to "Emissions Data Sheet" for maximum fuel flow for EPA and SCAQMD permitting purposes.

COOLING

		STANDBY	PRIME
Coolant Flow per Minute	gpm (lpm)	32.7 (123.8)	32.7 (123.8)
Heat Rejection to Coolant	BTU/hr	232,270	213,830
Inlet Air	cfm (m3/min)	6,360 (180)	6,360 (180)
Max. Operating Radiator Air Temp	F° (C°)	122 (50)	122 (50)
Max. Operating Ambient Temperature	F° (C°)	104 (40)	104 (40)
Coolant System Capacity	gal (L)	(4.5) 17.44	(4.5) 17.44
Maximum Radiator Backpressure	in H ₂ O	1.5	1.5

COMBUSTION AIR REQUIREMENTS

		STANDBY	PRIME
Flow at Rated Power	cfm (m3/min)	306 (8.67)	275 (7.80)

ENGINE

		STANDBY	PRIME
Rated Engine Speed	rpm	1800	1800
Horsepower at Rated kW**	hp	131	127
Piston Speed	ft/min	1559 (475)	1559 (475)
BMEP	psi	210	194

** Refer to "Emissions Data Sheet" for maximum bHP for EPA and SCAQMD permitting purposes.

EXHAUST

		STANDBY	PRIME
Exhaust Flow (Rated Output)	cfm (m ³ /min)	790 (22.4)	743 (21.0)
Max. Backpressure (Post Silencer)	inHg (Kpa)	1.5 (5.1)	1.5 (5.1)
Exhaust Temp (Rated Output)	°F (°C)	887 (475)	887 (475)
Exhaust Outlet Size (Open Set)	NPT (male)	3.0	3.0

Deration – Operational characteristics consider maximum ambient conditions. Derate factors may apply under atypical site conditions. Please consult a Generac Power Systems Industrial Dealer for additional details. All performance ratings in accordance with ISO3046, BS5514, ISO8528 and DIN6271 standards.

SD080

standard features and options

GENERATOR SET



<input checked="" type="radio"/> Genset Vibration Isolation	Std
<input type="radio"/> IBC Seismic Certified/Seismic Rated Vibration Isolators	Opt
<input type="radio"/> Extended warranty	Opt
<input type="radio"/> Gen-Link Communications Software	Opt
<input type="radio"/> Steel Enclosure	Opt
<input type="radio"/> Aluminum Enclosure	Opt

ENGINE SYSTEM

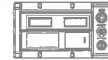


General	
<input checked="" type="radio"/> Oil Drain Extension	Std
<input type="radio"/> Oil Make-Up System	Opt
<input type="radio"/> Oil Heater	Opt
<input checked="" type="radio"/> Air cleaner	Std
<input checked="" type="radio"/> Fan guard	Std
<input checked="" type="radio"/> Radiator duct adapter	Std
Fuel System	
<input checked="" type="radio"/> Fuel lockoff solenoid	Std
<input checked="" type="radio"/> Secondary fuel filter	Std
<input checked="" type="radio"/> Stainless steel flexible exhaust connection	Std
<input checked="" type="radio"/> Industrial Exhaust Silencer	Std
<input type="radio"/> Critical Exhaust Silencer	Opt
<input type="radio"/> Flexible fuel lines	Opt
<input type="radio"/> Primary fuel filter	Opt
<input type="radio"/> Single Wall Tank (Export Only)	-
<input type="radio"/> UL 142 Fuel Tank	Opt
Cooling System	
<input type="radio"/> 120VAC Coolant Heater	Opt
<input type="radio"/> 208VAC Coolant Heater	Opt
<input type="radio"/> 240VAC Coolant Heater	Opt
<input type="radio"/> Other Coolant Heater	-
<input checked="" type="radio"/> Closed Coolant Recovery System	Std
<input checked="" type="radio"/> UV/Ozone resistant hoses	Std
<input checked="" type="radio"/> Factory-Installed Radiator	Std
<input checked="" type="radio"/> Radiator Drain Extension	Std
Engine Electrical System	
<input checked="" type="radio"/> Battery charging alternator	Std
<input checked="" type="radio"/> Battery cables	Std
<input checked="" type="radio"/> Battery tray	Std
<input type="radio"/> Battery box	Opt
<input type="radio"/> Battery heater	Opt
<input checked="" type="radio"/> Solenoid activated starter motor	Std
<input type="radio"/> 2.5A UL battery charger	Opt
<input type="radio"/> 10A UL float/equalize battery charger	Opt
<input checked="" type="radio"/> Rubber-booted engine electrical connections	Std

ALTERNATOR SYSTEM

<input checked="" type="radio"/> UL2200 GENprotect™	Opt
<input type="radio"/> Main Line Circuit Breaker	Opt
<input type="radio"/> 2nd Circuit Breaker	Opt
<input type="radio"/> 3rd Circuit Breaker	-
<input type="radio"/> Alternator Upsizing	Opt
<input type="radio"/> Anti-Condensation Heater	Opt
<input type="radio"/> Tropical coating	Opt
<input type="radio"/> Permanent Magnet Generator	Opt

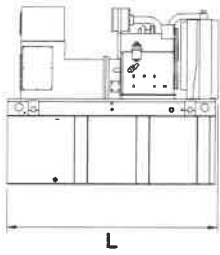
CONTROL SYSTEM



Control Panel	
<input checked="" type="radio"/> Digital H Control Panel - Dual 4x20 Display	Std
<input type="radio"/> Digital G-100 Control Panel - Touchscreen	na
<input type="radio"/> Digital G-200 Paralleling Control Panel - Touchscreen	na
<input checked="" type="radio"/> Programmable Crank Limiter	Std
<input type="radio"/> 21-Light Remote Annunciator	Opt
<input type="radio"/> Remote Relay Panel (8 or 16)	Opt
<input checked="" type="radio"/> 7-Day Programmable Exerciser	Std
<input checked="" type="radio"/> Special Applications Programmable PLC	Std
<input checked="" type="radio"/> RS-232	Std
<input checked="" type="radio"/> RS-485	Std
<input checked="" type="radio"/> All-Phase Sensing DVR	Std
<input checked="" type="radio"/> Full System Status	Std
<input checked="" type="radio"/> Utility Monitoring (Req. H-Transfer Switch)	Std
<input checked="" type="radio"/> 2-Wire Start Compatible	Std
<input checked="" type="radio"/> Power Output (kW)	Std
<input checked="" type="radio"/> Power Factor	Std
<input checked="" type="radio"/> Reactive Power	Std
<input checked="" type="radio"/> All phase AC Voltage	Std
<input checked="" type="radio"/> All phase Currents	Std
<input checked="" type="radio"/> Oil Pressure	Std
<input checked="" type="radio"/> Coolant Temperature	Std
<input checked="" type="radio"/> Coolant Level	Std
<input type="radio"/> Oil Temperature	Opt
<input checked="" type="radio"/> Fuel Pressure	Std
<input checked="" type="radio"/> Engine Speed	Std
<input checked="" type="radio"/> Battery Voltage	Std
<input checked="" type="radio"/> Frequency	Std
<input checked="" type="radio"/> Date/Time Fault History (Event Log)	Std
<input type="radio"/> Low-Speed Exercise	-
<input checked="" type="radio"/> Isochronous Governor Control	Std
<input checked="" type="radio"/> -40deg C - 70deg C Operation	Std
<input checked="" type="radio"/> Waterproof Plug-In Connectors	Std
<input checked="" type="radio"/> Audible Alarms and Shutdowns	Std
<input checked="" type="radio"/> Not in Auto (Flashing Light)	Std
<input checked="" type="radio"/> Auto/Off/Manual Switch	Std
<input checked="" type="radio"/> E-Stop (Red Mushroom-Type)	Std
<input type="radio"/> Remote E-Stop (Break Glass-Type, Surface Mount)	Opt
<input type="radio"/> Remote E-Stop (Red Mushroom-Type, Surface Mount)	Opt
<input type="radio"/> Remote E-Stop (Red Mushroom-Type, Flush Mount)	Opt
<input checked="" type="radio"/> NFPA 110 Level I and II (Programmable)	Std
<input checked="" type="radio"/> Remote Communication - RS232	Std
<input type="radio"/> Remote Communication - Modem	Opt
<input type="radio"/> Remote Communication - Ethernet	Opt
<input type="radio"/> 10A Run Relay	Opt
Alarms (Programmable Tolerances, Pre-Alarms and Shutdowns)	
<input type="radio"/> Low Fuel	Opt
<input checked="" type="radio"/> Oil Pressure (Pre-programmed Low Pressure Shutdown)	Std
<input checked="" type="radio"/> Coolant Temperature (Pre-programmed High Temp Shutdown)	Std
<input checked="" type="radio"/> Coolant Level (Pre-programmed Low Level Shutdown)	Std
<input type="radio"/> Oil Temperature	Opt
<input checked="" type="radio"/> Engine Speed (Pre-programmed Overspeed Shutdown)	Std
<input checked="" type="radio"/> Voltage (Pre-programmed Overvoltage Shutdown)	Std
<input checked="" type="radio"/> Battery Voltage	Std
Other Options	
<input type="radio"/>	
<input type="radio"/>	
<input type="radio"/>	

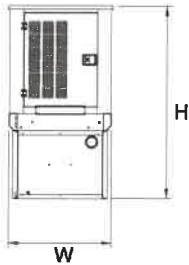
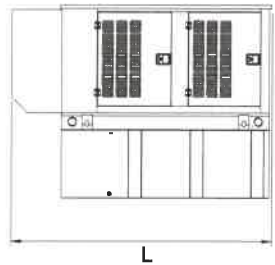
SD080

dimensions, weights and sound levels



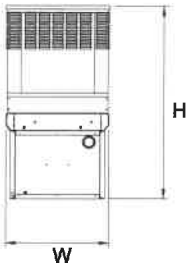
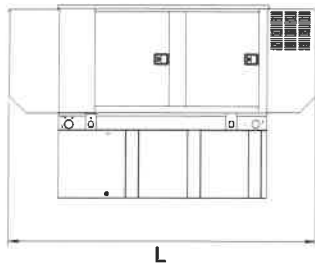
OPEN SET

RUN TIME HOURS	USABLE CAPACITY (GAL)	L	W	H	WT	dBA*
NO TANK	-	93	40	49	2425	87
13	79	93	40	62	2947	
30	189	93	40	74	3183	
48	300	93	40	86	3407	
56	350	110	40	86	3809	
81	510	117	47	86	3790	
93	589	128	49	86	4269	



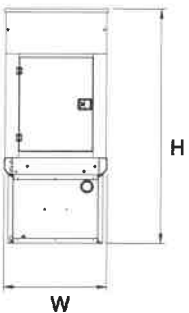
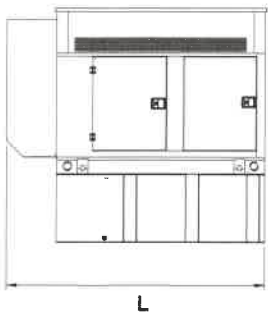
WEATHERPROOF ENCLOSURE

RUN TIME HOURS	USABLE CAPACITY (GAL)	L	W	H	WT	dBA*
NO TANK	-	112	41	56	2850	81.4
13	79	112	41	69	3372	
30	189	112	41	81	3608	
48	300	112	41	93	3832	
56	350	112	41	93	4234	
81	510	117	47	93	4215	
93	589	128	49	93	4694	



LEVEL 1 SOUND ENCLOSURE

RUN TIME HOURS	USABLE CAPACITY (GAL)	L	W	H	WT	dBA*
NO TANK	-	130	41	56	2875	74.8
13	79	130	41	69	3397	
30	189	130	41	81	3633	
48	300	130	41	93	3857	
56	350	130	41	93	4259	
81	510	130	47	93	4240	
93	589	130	49	93	4719	



LEVEL 2 SOUND ENCLOSURE

RUN TIME HOURS	USABLE CAPACITY (GAL)	L	W	H	WT	dBA*
NO TANK	-	112	41	69	3050	71.7
13	79	112	41	82	3572	
30	189	112	41	94	3808	
48	300	112	41	106	4032	
56	350	112	41	106	4434	
81	510	117	47	106	4415	
93	589	128	49	106	4894	

*All measurements are approximate and for estimation purposes only. Weights are without fuel in tank. Sound levels measured at 23ft (7m) and does not account for ambient site conditions.

Tank Options

- MDEQ
- Florida DERM/DEP
- Chicago Fire Code
- IFC Certification
- ULC

OPT
OPT
OPT
CALL
CALL

Other Custom Options Available from your Generac Industrial Power Dealer

YOUR FACTORY RECOGNIZED GENERAC INDUSTRIAL DEALER

Specification characteristics may change without notice. Dimensions and weights are for preliminary purposes only. Please consult a Generac Power Systems Industrial Dealer for detailed installation drawings.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
2013 MODEL YEAR
CERTIFICATE OF CONFORMITY
WITH THE CLEAN AIR ACT OF 1990

OFFICE OF TRANSPORTATION
AND AIR QUALITY
ANN ARBOR, MICHIGAN 48105

Certificate Issued To: FPT Industrial S.p.A.
(U.S. Manufacturer or Importer)

Certificate Number: DFPXL06.7DGB-006

Effective Date:
07/09/2012

Expiration Date:
12/31/2013


Byron J. Bunker, Acting Division Director
Compliance Division

Issue Date:
07/09/2012

Revision Date:
N/A

Model Year: 2013

Manufacturer Type: Original Engine Manufacturer

Engine Family: DFPXL06.7DGB

Mobile/Stationary Indicator: Stationary

Emissions Power Category: 75<=kW<130

Fuel Type: Diesel

After Treatment Devices: No After Treatment Devices Installed

Non-after Treatment Devices: No Non-After Treatment Devices Installed

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.

**EXHAUST EMISSIONS
DATA**

**STATEMENT OF EXHAUST EMISSIONS
2013 FPT DIESEL FUELED GENERATOR**

The measured emissions values provided here are proprietary to Generac and its authorized dealers. This information may only be disseminated upon request, to regulatory governmental bodies for emissions permitting purposes or to specifying organizations as submittal data when expressly required by project specifications, and shall remain confidential and not open to public viewing. This information is not intended for compilation or sales purposes and may not be used as such, nor may it be reproduced without the expressed written permission of Generac Power Systems, Inc. The data provided shall not be meant to include information made public by Generac.

Generator Model:	SD080	EPA Certificate Number:	DFPXL06.7DGB-006
kW _e Rating:	80	CARB Certificate Number:	Not Applicable
Engine Family:	DFPXL06.7DGB	SCAQMD CEP Number:	511714
Engine Model:	F4GE9485A*J	Emission Standard Category:	Tier 3
Rated Engine Power (BHP)*:	131	Certification Type:	Stationary Emergency CI (40 CFR Part 60 Subpart IIII)
Fuel Consumption (gal/hr)*:	6.84		
Aspiration:	Turbo/Aftercooled		
Rated RPM:	1800		

*Engine Power and Fuel Consumption are declared by the Engine Manufacturer of Record and the U.S. EPA.

Emissions based on engine power of specific Engine Model.			
(These values are actual composite weighted exhaust emissions results over the EPA 5-mode test cycle.)			
CO	NOx + NMHC	PM	
0.9	3.8	0.16	Grams/kW-hr
0.7	2.8	0.12	Grams/bhp-hr

- The stated values are actual exhaust emission test measurements obtained from an engine representative of the type described above.
- Values based on 5-mode testing are official data of record as submitted to regulatory agencies for certification purposes. Testing was conducted in accordance with prevailing EPA protocol, which is typically accepted by SCAQMD and other regional authorities.
- No emissions values provided above are to be construed as guarantees of emission levels for any given Generac generator unit.
- Generac Power Systems, Inc. reserves the right to revise this information without prior notice.
- Consult state and local regulatory agencies for specific permitting requirements.
- The emission performance data supplied by the equipment manufacturer is only one element required toward completion of the permitting and installation process. State and local regulations may vary on a case-by-case basis and local agencies must be consulted by the permit application/equipment owner prior to equipment purchase or installation. The data supplied herein by Generac Power Systems cannot be construed as a guarantee of installability of the generating set.



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

**PERMIT DETERMINATION FORM
(PDF)**

FOR AGENCY USE ONLY: PLANT I.D. # _____
PDF # _____ PERMIT WRITER: _____

1. NAME OF APPLICANT (AS REGISTERED WITH THE WV SECRETARY OF STATE'S OFFICE):
Charmayne Eriacho

2. NAME OF FACILITY (IF DIFFERENT FROM ABOVE):
American Tower - St. Albans WV #99294

3. NORTH AMERICAN INDUSTRY CLASSIFICATION SYSTEM (NAICS) CODE:
5 1 7 1 1 0

4A. MAILING ADDRESS:
10 Presidential Way, Woburn, MA 01801

4B. PHYSICAL ADDRESS:
42 Dry Ridge Road, Saint Albans, WV 25177

5A. DIRECTIONS TO FACILITY (PLEASE PROVIDE MAP AS ATTACHMENT A):
From Charleston, West Virginia, take I-64 West to Exit 44/St. Albans. Turn right onto St. Albans, which is CR 35. Follow CR 35 South and turn right after 0.8 miles. Go 3.1 miles and turn left at CR 60 East. Follow and turn right at Taco Bell. Go past two intersections and turn left at stop sign onto HIGHLAND DRIVE. Follow to access road on the right at the ATC marked pipe gate.

5B. NEAREST ROAD:
Dry Ridge Road

5C. NEAREST CITY OR TOWN:
Charleston

5D. COUNTY:
Kanawha

5E. UTM NORTHING (KM):
4246802.57

5F. UTM EASTING (KM):
428521.82

5G. UTM ZONE:
17S

6A. INDIVIDUAL TO CONTACT IF MORE INFORMATION IS REQUIRED:
Charmayne Eriacho

6B. TITLE:
Env. Compliance Manager

6C. TELEPHONE:
(781) 428-7222

6D. FAX:

6E. E-MAIL:
charmayne.eriacho@americantower.com

7A. DAQ PLANT I.D. NO. (FOR AN EXISTING FACILITY ONLY):
0 3 9 - 0 0 6 2 6

7B. PLEASE LIST ALL CURRENT 45CSR13, 45CSR14, 45CSR19 AND/OR TITLE V (45CSR30) PERMIT NUMBERS ASSOCIATED WITH THIS PROCESS (FOR AN EXISTING FACILITY ONLY):
N/A

7C. IS THIS PDF BEING SUBMITTED AS THE RESULT OF AN ENFORCEMENT ACTION? IF YES, PLEASE LIST: N/A

8A. TYPE OF EMISSION SOURCE (CHECK ONE):
 NEW SOURCE ADMINISTRATIVE UPDATE
 MODIFICATION OTHER (PLEASE EXPLAIN IN 11B)

8B. IF ADMINISTRATIVE UPDATE, DOES DAQ HAVE THE APPLICANT'S CONSENT TO UPDATE THE EXISTING PERMIT WITH THE INFORMATION CONTAINED HEREIN?
 YES NO

9. IS DEMOLITION OR PHYSICAL RENOVATION AT AN EXISTING FACILITY INVOLVED? YES NO

10A. DATE OF ANTICIPATED INSTALLATION OR CHANGE:
____/____/20__

10B. DATE OF ANTICIPATED START-UP:
____/____/20__

11A. PLEASE PROVIDE A DETAILED PROCESS FLOW DIAGRAM SHOWING EACH PROPOSED OR MODIFIED PROCESS EMISSION POINT AS ATTACHMENT B.

11B. PLEASE PROVIDE A DETAILED PROCESS DESCRIPTION AS ATTACHMENT C.

12. PLEASE PROVIDE MATERIAL SAFETY DATA SHEETS (MSDS) FOR ALL MATERIALS PROCESSED, USED OR PRODUCED AS ATTACHMENT D. FOR CHEMICAL PROCESSES, PLEASE PROVIDE A MSDS FOR EACH COMPOUND EMITTED TO AIR.



13A. REGULATED AIR POLLUTANT EMISSIONS:

⇒ **FOR A NEW FACILITY**, PLEASE PROVIDE PLANT WIDE EMISSIONS BASED ON THE POTENTIAL TO EMIT (PTE) FOR THE FOLLOWING AIR POLLUTANTS INCLUDING ALL PROCESSES.
 ⇒ **FOR AN EXISTING FACILITY**, PLEASE PROVIDE THE PROPOSED CHANGE IN EMISSIONS BASED ON THE PTE OF ALL PROCESS CHANGES FOR THE FOLLOWING AIR POLLUTANTS.

PTE FOR A GIVEN POLLUTANT IS TYPICALLY BEFORE AIR POLLUTION CONTROL DEVICES AND IS COLLECTED BASED ON THE MAXIMUM DESIGN CAPACITY OF PROCESS EQUIPMENT.

POLLUTANT	HOURLY PTE (LB/HR)	YEARLY PTE (TON/YR) (HOURLY PTE MULTIPLIED BY 8760 HR/YR) DIVIDED BY 2000 LB/TON
PM		
PM₁₀	0.035	0.015
VOCs	0.78	3.42
CO	0.20	0.88
NO_x	0.038	0.017
SO₂	0.0016	0.0070
Pb		
HAPs (AGGREGATE AMOUNT)		
TAPs (INDIVIDUALLY)*		
OTHER (INDIVIDUALLY)*		

* ATTACH ADDITIONAL PAGES AS NEEDED

13B. PLEASE PROVIDE ALL SUPPORTING CALCULATIONS AS ATTACHMENT E.

CALCULATE AN HOURLY AND YEARLY PTE OF EACH PROCESS EMISSION POINT (SHOWN IN YOUR DETAILED PROCESS FLOW DIAGRAM) FOR ALL AIR POLLUTANTS LISTED ABOVE INCLUDING INDIVIDUAL HAP'S (LISTED IN SECTION 112[b] OF THE 1990 CAAA), TAP'S (LISTED IN 45CSR27), AND OTHER AIR POLLUTANTS (E.G. POLLUTANTS LISTED IN TABLE 45-13A OF 45CSR13, MINERAL ACIDS PER 45CSR7, ETC.).

14. CERTIFICATION OF DATA

I, Charmayne Eriacho (TYPE NAME) ATTEST THAT ALL THE REPRESENTATIONS CONTAINED IN THIS APPLICATION, OR APPENDED HERETO, ARE TRUE, ACCURATE, AND COMPLETE TO THE BEST OF MY KNOWLEDGE BASED ON INFORMATION AND BELIEF AFTER REASONABLE INQUIRY, AND THAT I AM A **RESPONSIBLE OFFICIAL**** (PRESIDENT, VICE PRESIDENT, SECRETARY OR TREASURER, GENERAL PARTNER OR SOLE PROPRIETOR) OF THE APPLICANT.

SIGNATURE OF RESPONSIBLE OFFICIAL: 

TITLE: Environmental Compliance Manager

DATE: 8 / 24 / 17

** THE DEFINITION OF THE PHRASE 'RESPONSIBLE OFFICIAL' CAN BE FOUND AT 45CSR13, SECTION 2.23.

NOTE: PLEASE CHECK ENCLOSED ATTACHMENTS:

ATTACHMENT A ATTACHMENT B ATTACHMENT C ATTACHMENT D ATTACHMENT E

RECORDS ON ALL CHANGES ARE REQUIRED TO BE KEPT AND MAINTAINED ON-SITE FOR TWO (2) YEARS.

THE PERMIT DETERMINATION FORM WITH THE INSTRUCTIONS CAN BE FOUND ON DAQ'S PERMITTING SECTION WEB SITE:

www.dep.wv.gov/daq

EMERGENCY GENERATOR ENGINE DATA SHEET

Source Identification Number ¹		EG1	
Engine Manufacturer and Model		Iveco/FPT F4GE9485A*J	
Manufacturer's Rated bhp/rpm		132/1800	
Source Status ²		NS	
Date Installed/Modified/Removed ³		6/1/13 Estimated	
Engine Manufactured/Reconstruction Date ⁴		1/1/2013	
Is this a Certified Stationary Compression 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	LB2S	
	APCD Type ⁸		
	Fuel Type ⁹	2FO	
	H ₂ S (gr/100 scf)		
	Operating bhp/rpm	132/1800	
	BSFC (Btu/bhp-hr)	1758.62	
	Fuel throughput (ft ³ /hr)	1.8181ft ³ /hr	
	Fuel throughput (MMft ³ /yr)	909.05 (MMft ³ /yr)	
	Operation (hrs/yr)	<500 hr/yr	
Reference ¹⁰	Potential Emissions ¹¹	lbs/hr	tons/yr
MD/OT	NO _x	0.813	0.203
MD/OT	CO	0.203	0.5075
MD/OT	VOC	0.0025	0.0101
MD/OT	SO ₂	0.0020	0.0082
MD/OT	PM ₁₀	0.0348	0.087
MD/OT	Formaldehyde	0.043	0.02275

- Enter the appropriate Source Identification Number for each emergency generator. Generator engines should be designated EG-1.
- 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