



February 16, 2016

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

**Re: General Permit G65-C Registration Application
WKLC-FM Radio Tower Emergency Generator
WKLC, Inc.**

Dear Mr. Durham,

SLR International Corporation has prepared the attached General Permit G65-C Registration Application on behalf of WKLC, Inc. for the installation of an emergency generator at the WKLC-FM Radio Tower located near St. Albans, West Virginia.

The estimated potential to emit (PTE) for this facility is reflected in the following table below.

Pollutant	Proposed Potential To Emit (PTE) (ton/yr)
PM/PM ₁₀ /PM _{2.5}	0.01
SO ₂	0.16
NO _x	0.54
CO	0.13
VOCs	0.54
Total HAPs	0.01
CO ₂ e	93.00

The public notice was delivered to *The Putnam Post* for publication. The legal advertisement will be forwarded to your office as soon as SLR receives the original affidavit from the newspaper.

If any additional information is needed, please contact me by telephone at (681) 205 8949 or by e-mail at cboggess@slrconsulting.com.

February 16, 2016
William F. Durham
Page 2

Sincerely,
SLR International Corporation



Chris Boggess
Associate Engineer

Cc: Mr. Lynn Martin, WKLC, Inc.



global environmental solutions

WKLC-FM Radio Tower Emergency Generator

St. Albans, West Virginia

General Permit G-65C Registration Application

SLR Ref: 116.01575.00001

February 2016



General Permit G-65C Registration Application
WKLC-FM Radio Tower Emergency Generator,
St. Albans, West Virginia

Prepared for:

WKLC, Inc.
100 Kanawha Terrace
St. Albans, West Virginia 25177

This document has been prepared by SLR International Corporation. The material and data in this permit application were prepared under the supervision and direction of the undersigned.

A handwritten signature in blue ink, reading "Chris Boggess". The signature is written in a cursive, flowing style. Below the signature is a solid horizontal line.

Chris Boggess
Associate Engineer

CONTENTS

APPLICATION FOR PERMIT

ATTACHMENTS

ATTACHMENT A	BUSINESS CERTIFICATE
ATTACHMENT B	PROCESS DESCRIPTION
ATTACHMENT C	DESCRIPTION OF FUGITIVE EMISSIONS
ATTACHMENT D	PROCESS FLOW DIAGRAM
ATTACHMENT E	PLOT PLAN
ATTACHMENT F	AREA MAP
ATTACHMENT G	AFFECTED SOURCE SHEETS
ATTACHMENT H	AIR POLLUTION CONTROL DEVICE SHEETS (See Notes)
ATTACHMENT I	EMISSIONS CALCULATIONS
ATTACHMENT J	CLASS I LEGAL ADVERTISEMENT
ATTACHMENT K	ELECTRONIC SUBMITTAL DISKETTES
ATTACHMENT L	GENERAL PERMIT REGISTRATION APPLICATION FEE
ATTACHMENT M	SITING CRITERIA WAIVER (See Notes)
ATTACHMENT N	MATERIAL SAFETY DATA SHEETS (MSDS)
ATTACHMENT O	EMISSION SUMMARY SHEETS (See Notes)

Notes:

ATTACHMENT H	Not Applicable- No control devices are used at this facility.
ATTACHMENT M	Not Applicable- No Siting Criteria Waiver is necessary due to existing facility
ATTACHMENT O	Not Applicable- Emission Summary Sheets used for G-70A applications



APPLICATION FOR PERMIT

General Permit G-65C Registration Application

**WKLC-FM Radio Tower Emergency Generator,
St. Albans, West Virginia**

WKLC, Inc.
100 Kanawha Terrace
St. Albans, West Virginia

February 2016



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 type="checkbox"/> G60-C – Class II Emergency Generator |
| <input type="checkbox"/> G33-A – Spark Ignition Internal Combustion Engines | <input checked="" 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): WKLC, Inc.	2. Federal Employer ID No. (FEIN): 055060214
--	--

3. Applicant's mailing address: 100 Kanawha Terrace St. Albans, WV 25177	4. Applicant's physical address: 100 Kanawha Terrace St. Albans, WV 25177
--	---

5. If applicant is a subsidiary corporation, please provide the name of parent corporation: **N/A**

6. **WV BUSINESS REGISTRATION.** Is the applicant a resident of the State of West Virginia? ☒ **YES** ☐ **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.): FM Radio Broadcasting Station	8a. Standard Industrial Classification Classification (SIC) code: 4832	AND	8b. North American Industry System (NAICS) code: 515112
--	--	-----	--

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): N/A
--	--

A: PRIMARY OPERATING SITE INFORMATION

11A. Facility name of primary operating site: WKLC-FM Radio Tower	12A. Address of primary operating site: Mailing: 100 Kanawha Terrace St. Albans, WV 25177 Physical: Poplar Fork Rd. St. Albans, WV 25177	
13A. Does the applicant own, lease, have an option to buy, or otherwise have control of the proposed site? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO — IF YES, please explain: Lease _____ — 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 . From Charleston, traveling West on I-64, take Exit 39 (WV 34 Winfield/Teays Valley) and turn Left onto WV State Route 34. Travel approximately 1/2 mile and turn Left onto Scott Depot Rd./Poplar Fork Rd. After approximately 1.5 miles merge Left onto Poplar Fork Rd. Continue on Poplar Fork for approximately 2.5 miles and gravel road to radio tower will be on the right.		
15A. Nearest city or town: St. Albans	16A. County: Putnam	17A. UTM Coordinates: Northing (KM): 4,251.454 Easting (KM): 421.118 Zone: 17
18A. Briefly describe the proposed new operation or change (s) to the facility: This permit application will address the addition of an emergency generator		19A. Latitude & Longitude Coordinates (NAD83, Decimal Degrees to 5 digits): Latitude: 38.40784 Longitude: -81.90348

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

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

14B. — For Modifications or Administrative Updates at an existing facility, please provide directions to the present location of the facility from the nearest state road; — For Construction or Relocation permits, please provide directions to the proposed new site location from the nearest state road. Include a MAP as Attachment F . <div style="border-bottom: 1px solid black; height: 1.2em; margin-bottom: 5px;"></div> <div style="border-bottom: 1px solid black; height: 1.2em; margin-bottom: 5px;"></div> <div style="border-bottom: 1px solid black; height: 1.2em;"></div>		
15B. Nearest city or town:	16B. County:	17B. UTM Coordinates: Northing (KM): <div style="border-bottom: 1px solid black; width: 100%;"></div> Easting (KM): <div style="border-bottom: 1px solid black; width: 100%;"></div> Zone: <div style="border-bottom: 1px solid black; width: 100%;"></div>
18B. Briefly describe the proposed new operation or change (s) to the facility:		19B. Latitude & Longitude Coordinates (NAD83, Decimal Degrees to 5 digits): Latitude: <div style="border-bottom: 1px solid black; width: 100%;"></div> Longitude: <div style="border-bottom: 1px solid black; width: 100%;"></div>

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

11C. Name of 2 nd alternate operating site: <div style="border-bottom: 1px solid black; height: 1.2em; margin-bottom: 5px;"></div> <div style="border-bottom: 1px solid black; height: 1.2em;"></div>	12C. Address of 2 nd alternate operating site: Mailing: <div style="border-bottom: 1px solid black; width: 100%;"></div> Physical: <div style="border-bottom: 1px solid black; width: 100%;"></div>	
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: <div style="border-bottom: 1px solid black; width: 100%; height: 1.2em; margin-bottom: 5px;"></div> <div style="border-bottom: 1px solid black; width: 100%; height: 1.2em;"></div> — IF NO , YOU ARE NOT ELIGIBLE FOR A PERMIT FOR THIS SOURCE.		
14C. — For Modifications or Administrative Updates at an existing facility, please provide directions to the present location of the facility from the nearest state road; — For Construction or Relocation permits, please provide directions to the proposed new site location from the nearest state road. Include a MAP as Attachment F . <div style="border-bottom: 1px solid black; height: 1.2em; margin-bottom: 5px;"></div> <div style="border-bottom: 1px solid black; height: 1.2em; margin-bottom: 5px;"></div> <div style="border-bottom: 1px solid black; height: 1.2em;"></div>		
15C. Nearest city or town:	16C. County:	17C. UTM Coordinates: Northing (KM): <div style="border-bottom: 1px solid black; width: 100%;"></div> Easting (KM): <div style="border-bottom: 1px solid black; width: 100%;"></div> Zone: <div style="border-bottom: 1px solid black; width: 100%;"></div>
18C. Briefly describe the proposed new operation or change (s) to the facility:		19C. Latitude & Longitude Coordinates (NAD83, Decimal Degrees to 5 digits): Latitude: <div style="border-bottom: 1px solid black; width: 100%;"></div> Longitude: <div style="border-bottom: 1px solid black; width: 100%;"></div>

<p>20. Provide the date of anticipated installation or change:</p> <p>■ If this is an After-The-Fact permit application, provide the date upon which the proposed change did happen: :</p> <p>04/01/2016</p>	<p>21. Date of anticipated Start-up if registration is granted:</p> <p>04/01/2016</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: - Days per week: - Weeks per year: - Percentage of operation: - 500 hours annually</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"> ■ ATTACHMENT A : CURRENT BUSINESS CERTIFICATE ■ ATTACHMENT B: PROCESS DESCRIPTION ■ ATTACHMENT C: DESCRIPTION OF FUGITIVE EMISSIONS ■ ATTACHMENT D: PROCESS FLOW DIAGRAM ■ ATTACHMENT E: PLOT PLAN ■ ATTACHMENT F: AREA MAP ■ ATTACHMENT G: EQUIPMENT DATA SHEETS AND REGISTRATION SECTION APPLICABILITY FORM <input type="checkbox"/> ATTACHMENT H: AIR POLLUTION CONTROL DEVICE SHEETS ■ ATTACHMENT I: EMISSIONS CALCULATIONS ■ ATTACHMENT J: CLASS I LEGAL ADVERTISEMENT ■ ATTACHMENT K: ELECTRONIC SUBMITTAL ■ ATTACHMENT L: GENERAL PERMIT REGISTRATION APPLICATION FEE <input type="checkbox"/> ATTACHMENT M: SITING CRITERIA WAIVER ■ 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

G I certify that I am a General Partner

FOR A LIMITED LIABILITY COMPANY

G I certify that I am a General Partner or General Manager

FOR AN ASSOCIATION

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

FOR A JOINT VENTURE

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

FOR A SOLE PROPRIETORSHIP

G I certify that I am the Owner and Proprietor

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

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

Signature _____

(please use blue ink)

Responsible Official

Date

Name & Title _____

(please print or type)

Signature _____

(please use blue ink)

Authorized Representative (if applicable)

Date

Applicant's Name _____

Phone & Fax _____

Phone

Fax

Email _____



ATTACHMENT A

BUSINESS CERTIFICATE

General Permit G-65C Registration Application

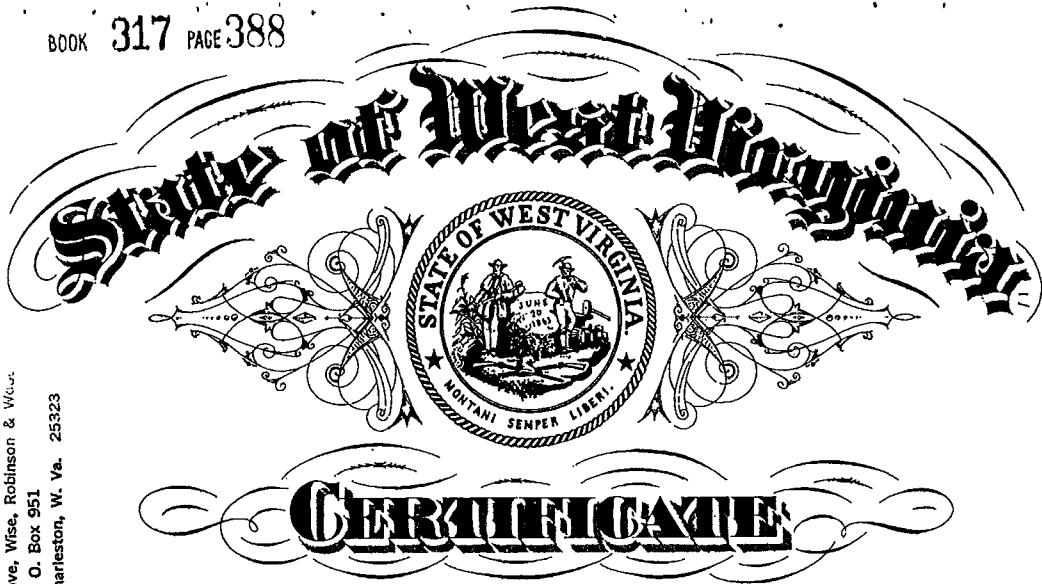
**WKLC-FM Radio Tower Emergency Generator,
St. Albans, West Virginia**

WKLC, Inc.
100 Kanawha Terrace
St. Albans, West Virginia

February 2016

Mail to
Love, Wise, Robinson & Wooten
P. O. Box 951
Charleston, W. Va. 25323

#1864



*I, A. James Manchin, Secretary of State of the
State of West Virginia, hereby certify that*

pursuant to the provisions of Section 28, Article 1, Chapter 31 of
the Code of West Virginia, 1931, as amended, duplicate originals
of Articles of Incorporation of

WKLC, INC.,

have been received and are found to conform to law, and declared
to be from this date a Corporation by the name and for the purposes
as set forth in the said Articles, with the right of perpetual existence.

ACCORDINGLY, I hereby issue this Certificate of Incorporation.

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

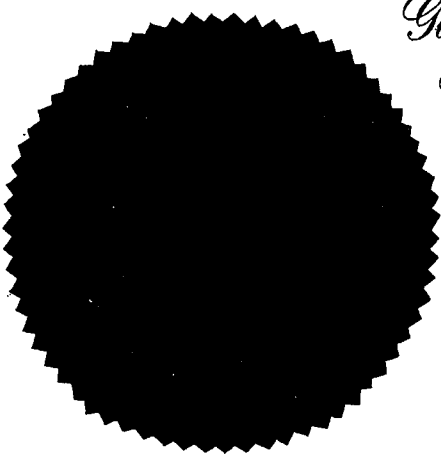
THIRTEENTH

AUGUST,

day of
19 79

A. James Manchin

Secretary of State.





ATTACHMENT B

PROCESS DESCRIPTION

General Permit G-65C Registration Application

**WKLC-FM Radio Tower Emergency Generator,
St. Albans, West Virginia**

WKLC, Inc.
100 Kanawha Terrace
St. Albans, West Virginia

February 2016

PROCESS DESCRIPTION

WKLC, Inc. plans to install a Cummins QSB-7 engine to serve as a backup emergency generator for their WKLC-FM Radio Tower facility. This diesel engine, produced in 2013, has been certified to conform with applicable regulations found in 40 CFR 60 Subpart IIII.



ATTACHMENT C

DESCRIPTION OF FUGITIVE EMISSIONS

General Permit G-65C Registration Application

**WKLC-FM Radio Tower Emergency Generator,
St. Albans, West Virginia**

WKLC, Inc.
100 Kanawha Terrace
St. Albans, West Virginia

February 2016

FUGITIVE EMISSIONS

Fugitive emissions from the newly installed emergency generator (EG-1) at the WKLC-FM Radio Tower facility are found to be negligible as they emanate from the crank case vent(s).



ATTACHMENT D

PROCESS FLOW DIAGRAM

General Permit G-65C Registration Application

**WKLC-FM Radio Tower Emergency Generator,
St. Albans, West Virginia**

WKLC, Inc.
100 Kanawha Terrace
St. Albans, West Virginia

February 2016

Fuel
Inlet



Emergency
Generator
(EG-1)

1E



GPS Coordinates of Sites:
Lat: 38.40784, Long: -81.90348

WKLC, Inc.
100 Kanawha Terrace
St. Albans, WV 25177

Report

G65-C Permit Application

Drawing

Attachment D - Process Flow Diagram

Date: February 2016

Drawn By: CLB

Project: 116.01575.00001 Task: 0001





ATTACHMENT E

PLOT PLAN

General Permit G-65C Registration Application

**WKLC-FM Radio Tower Emergency Generator,
St. Albans, West Virginia**

WKLC, Inc.
100 Kanawha Terrace
St. Albans, West Virginia

February 2016



GPS Coordinates of Sites:
 Lat: 38.40784, Long: -81.90348

WKLC, Inc.
 100 Kanawha Terrace
 St. Albans, WV 25177

Report

G65-C Permit Application

Drawing

Attachment E - Plot Plan

Date: February 2016

Drawn By: CLB

Project: 116,01575.00001 Task: 0001



ATTACHMENT F

AREA MAP

General Permit G-65C Registration Application

**WKLC-FM Radio Tower Emergency Generator,
St. Albans, West Virginia**

WKLC, Inc.
100 Kanawha Terrace
St. Albans, West Virginia

February 2016



GPS Coordinates of Sites:
 Lat: 38.40784, Long: -81.90348

WKLC, Inc.
 100 Kanawha Terrace
 St. Albans, WV 25177

Report

G65-C Permit Application

Drawing

Attachment F - Area Map

Date: February 2016

Drawn By: CLB

Project: 116,01575.00001 Task: 0001



ATTACHMENT G

AFFECTED SOURCE SHEETS

General Permit G-65C Registration Application

**WKLC-FM Radio Tower Emergency Generator,
St. Albans, West Virginia**

WKLC, Inc.
100 Kanawha Terrace
St. Albans, West Virginia

February 2016

General Permit G65-C Registration Section Applicability Form

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

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

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

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

EMERGENCY GENERATOR ENGINE DATA SHEET

Source Identification Number ¹		EG-1	
Engine Manufacturer and Model		Cummins / QSB7	
Manufacturer's Rated bhp/rpm		324 hp	
Source Status ²		NS	
Date Installed/Modified/Removed ³		2016	
Engine Manufactured/Reconstruction Date ⁴		2013	
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	4S	
	APCD Type ⁸	A/F	
	Fuel Type ⁹	2FO	
	H ₂ S (gr/100 scf)	0.25	
	Operating bhp/rpm	324 hp	
	BSFC (Btu/bhp-hr)	7,000	
	Fuel throughput (gal/hr)	16.38	
	Fuel throughput (MMgal/yr)	0.14	
	Operation (hrs/yr)	500	
Reference ¹⁰	Potential Emissions ¹¹	lbs/hr	tons/yr
	NO _x	2.14	0.54
	CO	0.50	0.13
	VOC	2.14	0.54
	SO ₂	0.66	0.16
	PM ₁₀	0.06	0.01
	Formaldehyde	0.00	0.00

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

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*.



ATTACHMENT H

AIR POLLUTION CONTROL DEVICE SHEETS NOT APPLICABLE (SEE NOTE)

Note: No Air Pollution Control Device affiliated with this Compressor Station.

General Permit G-65C Registration Application

**WKLC-FM Radio Tower Emergency Generator,
St. Albans, West Virginia**

WKLC, Inc.
100 Kanawha Terrace
St. Albans, West Virginia

February 2016



ATTACHMENT I

EMISSIONS CALCULATIONS

General Permit G-65C Registration Application

**WKLC-FM Radio Tower Emergency Generator,
St. Albans, West Virginia**

WKLC, Inc.
100 Kanawha Terrace
St. Albans, West Virginia

February 2016

**Table 1. Annual Potential To Emit (PTE) Summary
WKLC-FM Radio**

Proposed PTE - Criteria Pollutants

Source	PM/PM ₁₀	SO ₂	NO _x	CO	VOC	CO ₂
Engines (ton/yr)	0.01	0.16	0.54	0.13	0.54	92.99
Total Emissions (ton/yr)	0.01	0.16	0.54	0.13	0.54	92.99
Total Emissions (lb/hr)	0.00	0.04	0.12	0.03	0.12	21.23

Proposed PTE - HAPs

Source	Acetaldehyde	Benzene	Toluene	Xylene	Formaldehyde	Total HAPs
Engines (ton/yr)	0.000	0.001	0.000	0.000	0.001	0.002
Total Emissions (ton/yr)	0.000	0.001	0.000	0.000	0.001	0.002
Total Emissions (lb/hr)	0.000	0.000	0.000	0.000	0.000	0.000

Table 2. Diesel Fuel Emergency Generator Emissions (EG-1)
WKLC-FM Radio

Pollutant	Emission Factor	PTE (lb/hr)	PTE (ton/yr)
Criteria Pollutants			
PM/PM ₁₀	8.00E-02 g/hp-hr (1)	0.06 (a)	0.01 (b)
SO ₂	2.90E-01 lb/MMBtu (2)	0.66 (c)	0.16 (d)
NO _x	3.00E+00 g/hp-hr (1)	2.14 (a)	0.54 (b)
CO	7.00E-01 g/hp-hr (1)	0.50 (a)	0.13 (b)
VOC	3.00E+00 g/hp-hr (1)	2.14 (a)	0.54 (b)
Hazardous Air Pollutants			
1,3-Butadiene	3.91E-05 lb/MMBtu (3)	0.00 (a)	0.00 (b)
Acetaldehyde	7.67E-04 lb/MMBtu (3)	0.00 (a)	0.00 (b)
Acrolein	9.25E-05 lb/MMBtu (3)	0.00 (a)	0.00 (b)
Benzene	9.33E-04 lb/MMBtu (3)	0.00 (a)	0.00 (b)
Formaldehyde	1.18E-03 lb/MMBtu (3)	0.00 (a)	0.00 (b)
Toluene	4.09E-04 lb/MMBtu (3)	0.00 (a)	0.00 (b)
Xylenes	2.85E-04 lb/MMBtu (3)	0.00 (a)	0.00 (b)
Total HAPs		0.01	0.00
Greenhouse Gas Emissions			
CO ₂	1.64E+02 lb/MMBtu (2)	371.95 (a)	92.99 (b)

Calculations:

(a) Hourly Emissions (lb/hr) = Emission Factor (g/hp-hr) * Engine Power Output (hp) * (1lb/453.6g)

(b) Annual Emissions (lb/yr) = Emission Factor (g/hp-hr) * Engine Power Output (hp) * (1lb/453.6g) * Annual Hours of Operation (hr/yr) * (1ton/2000lbs)

(c) Hourly Emissions (lb/hr) = Emission Factor (lb/MMBtu) * (1MMBtu/1000000Btu) * Engine Power Output (hp) * Average BSFC (Btu/hp-hr)

(d) Hourly Emissions (lb/hr) = Emission Factor (lb/MMBtu) * (1MMBtu/1000000Btu) * Engine Power Output (hp) * Average BSFC (Btu/hp-hr) * Annual Hours of operation (hr/yr) * (1ton/2000lbs)

EMISSION INPUTS TABLE	
Engine Power Output (kW) =	242
Engine Power Output (hp) =	324
Heat Content of Diesel (Btu/gal) =	138,500 (4)
Average BSFC (BTU/HP-hr) =	7,000 (5)
Fuel Throughput (gal/hr) =	16.38 (6)
Annual Hours of Operation =	500

Notes:

(1) Emission Factors supplied from Manufacturer's Specifications Sheets

(2) AP-42, Chapter 3.3, Table 3.3-1. *Emission Factors for Uncontrolled Gasoline and Diesel Industrial Engines* (10/96)

(3) AP-42, Chapter 3.3, Table 3.3-2. *Speciated Organic Compound Emission Factors for Uncontrolled Diesel Engines* (10/96)

(4) Heat Content of Diesel (#2 Fuel Oil) taken from - *Approximate Heating Value of Common Fuels* prepared by J.W. Bartok Jr., Agricultural Engineer, University of Conn. (12/04)

(5) Average BSFC taken from AP-42, Chapter 3.3, Table 3.3-1, Footnote c

(6) Fuel Throughput Calculation (gal/hr) = Engine Power Output (hp) * Average BSFC (Btu/hp-hr) / Heat Content of diesel (Btu/gal)



2015 EPA Tier 3 Exhaust Emission Compliance Statement 150DSGAC Stationary Emergency 60 Hz Diesel Generator Set

Compliance Information:

The engine used in this generator set complies with Tier 3 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:	FCEXL0409AAD-024
Effective Date:	10/02/2014
Date Issued:	10/02/2014
EPA Engine Family (Cummins Emissions Family):	FCEXL0409AAD (D313)

Engine Information:

Model:	QSB6.7 / QSB7 / QSB7-G5 NR3	Bore:	4.21 in. (107 mm)
Engine Nameplate HP:	324	Stroke:	4.88 in. (124 mm)
Type:	4 Cycle, In-line, 6 Cylinder Diesel	Displacement:	408 cu. in. (6.7 liters)
Aspiration:	Turbocharged and CAC	Compression Ratio:	17.2:1
Emission Control Device:		Exhaust Stack Diameter:	4 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)	3.0	0.7	0.08	4.0	1.0	0.11
EPA Emissions Limit	3.0	2.6	0.15	4.0	3.5	0.20
Test Results - CARB Diesel Fuel (<15 ppm Sulfur)	2.7	0.7	0.07	3.7	1.0	0.10
CARB Emissions Limit	3.0	2.6	0.15	4.0	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 NO_x 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.

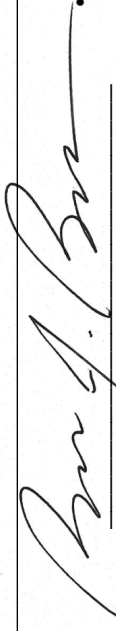


UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
2013 MODEL YEAR
CERTIFICATE OF CONFORMITY
WITH THE CLEAN AIR ACT OF 1990

OFFICE OF TRANSPORTATION
AND AIR QUALITY
ANN ARBOR, MICHIGAN 48105

Certificate Issued To: Cummins Inc.
(U.S. Manufacturer or Importer)
Certificate Number: DCEXL0409AAD-008

Effective Date:
05/01/2012
Expiration Date:
12/31/2013


Byron J. Bunker, Acting Division Director
Compliance Division

Issue Date:
05/01/2012
Revision Date:
N/A

Model Year: 2013

Manufacturer Type: Original Engine Manufacturer
Engine Family: DCEXL0409AAD

Mobile/Stationary Indicator: Stationary
Emissions Power Category: 130<=kW<225
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.



ATTACHMENT J

CLASS I LEGAL ADVERTISEMENT

General Permit G-65C Registration Application

**WKLC-FM Radio Tower Emergency Generator,
St. Albans, West Virginia**

WKLC, Inc.
100 Kanawha Terrace
St. Albans, West Virginia

February 2016

AIR QUALITY PERMIT NOTICE
Notice of Application

Notice is given that WKLC, Inc. has applied to the West Virginia Department of Environmental Protection, Division of Air Quality, for a General Permit Registration, for a Class I Emergency Generator located off Poplar Fork Rd. near St. Albans in Putnam County, West Virginia. The latitude and longitude coordinates are 38.40784 and -81.90348.

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

Pollutant	Tons/yr
PM/PM ₁₀ /PM _{2.5}	0.01
SO ²	0.16
NO _x	0.54
CO	0.13
VOCs	0.54
Total HAPs	0.01
CO ₂ e	93.00

Start up of operation will take place upon issuance of permit. 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 1250, during normal business hours.

Dated this the **XX**th day of Febraury, 2016.

By: WKLC, Inc.
Lynn Martin
President & CEO
100 Kanawha Terrace
St. Albans, WV 25177



ATTACHMENT K

ELECTRONIC SUBMITTAL DISKETTE

General Permit G-65C Registration Application

**WKLC-FM Radio Tower Emergency Generator,
St. Albans, West Virginia**

WKLC, Inc.
100 Kanawha Terrace
St. Albans, West Virginia

February 2016



ATTACHMENT L

GENERAL PERMIT REGISTRATION APPLICATION FEE

General Permit G-65C Registration Application

**WKLC-FM Radio Tower Emergency Generator,
St. Albans, West Virginia**

WKLC, Inc.
100 Kanawha Terrace
St. Albans, West Virginia

February 2016

327797

SLR INTERNATIONAL CORPORATION

22118 20TH AVENUE SE, SUITE G-202
BOTHELL, WA 98021
(425) 402-8800



All of us serving you®

19-10/1250

CHECK DATE

February 5, 2016

PAY

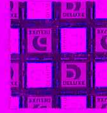
Two Hundred Fifty and 00/100 Dollars

TO

West Virginia Department of Environmental
Protection Division of Air Quality
601 57th Street, SE
Charleston, WV

AMOUNT

\$250.00



[Handwritten Signature]

AUTHORIZED SIGNATURE

⑈ 3 2 7 7 9 7 ⑈ ⑆ 1 2 5 0 0 0 1 0 5 ⑆ 1 5 3 5 9 0 8 1 7 3 1 5 ⑈

Security features. Details on back.





ATTACHMENT M

SITING CRITERIA WAIVER NOT APPLICABLE (SEE NOTE)

Note: No Siting Criteria Waiver is necessary due to existing facility.

General Permit G-65C Registration Application

**WKLC-FM Radio Tower Emergency Generator,
St. Albans, West Virginia**

WKLC, Inc.
100 Kanawha Terrace
St. Albans, West Virginia

February 2016



ATTACHMENT N

MATERIAL SAFETY DATA SHEETS (MSDS)

General Permit G-65C Registration Application

**WKLC-FM Radio Tower Emergency Generator,
St. Albans, West Virginia**

WKLC, Inc.
100 Kanawha Terrace
St. Albans, West Virginia

February 2016

Safety Data Sheet

Material Name: Diesel Fuel, All Types

SDS No. 9909
US GHS

Synonyms: Ultra Low Sulfur Diesel; Low Sulfur Diesel; No. 2 Diesel; Motor Vehicle Diesel Fuel; Non-Road Diesel Fuel; Locomotive/Marine Diesel Fuel

*** Section 1 - Product and Company Identification ***

Manufacturer Information

Hess Corporation
1 Hess Plaza
Woodbridge, NJ 07095-0961

Phone: 732-750-6000 Corporate EHS
Emergency # 800-424-9300 CHEMTREC
www.hess.com (Environment, Health, Safety Internet Website)

*** Section 2 - Hazards Identification ***

GHS Classification:

Flammable Liquids - Category 3
Skin Corrosion/Irritation – Category 2
Germ Cell Mutagenicity – Category 2
Carcinogenicity - Category 2
Specific Target Organ Toxicity (Single Exposure) - Category 3 (respiratory irritation, narcosis)
Aspiration Hazard – Category 1
Hazardous to the Aquatic Environment, Acute Hazard – Category 3

GHS LABEL ELEMENTS

Symbol(s)



Signal Word

DANGER

Hazard Statements

Flammable liquid and vapor.
Causes skin irritation.
Suspected of causing genetic defects.
Suspected of causing cancer.
May cause respiratory irritation.
May cause drowsiness or dizziness.
May be fatal if swallowed and enters airways.
Harmful to aquatic life.

Precautionary Statements

Prevention

Keep away from heat/sparks/open flames/hot surfaces. No smoking
Keep container tightly closed.
Ground/bond container and receiving equipment.

Safety Data Sheet

Material Name: Diesel Fuel, All Types

SDS No. 9909

Use explosion-proof electrical/ventilating/lighting/equipment.
Use only non-sparking tools.
Take precautionary measures against static discharge.
Wear protective gloves/protective clothing/eye protection/face protection.
Wash hands and forearms thoroughly after handling.
Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Avoid breathing fume/mist/vapours/spray.

Response

In case of fire: Use water spray, fog or foam to extinguish.
IF ON SKIN (or hair): Wash with plenty of soap and water. Remove/Take off immediately all contaminated clothing and wash it before reuse. If skin irritation occurs: Get medical advice/attention.
IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a poison center/doctor if you feel unwell.
If swallowed: Immediately call a poison center or doctor. Do NOT induce vomiting.
IF exposed or concerned: Get medical advice/attention.

Storage

Store in a well-ventilated place. Keep cool.
Keep container tightly closed.
Store locked up.

Disposal

Dispose of contents/container in accordance with local/regional/national/international regulations.

* * * Section 3 - Composition / Information on Ingredients * * *

CAS #	Component	Percent
68476-34-6	Fuels, diesel, no. 2	100
91-20-3	Naphthalene	<0.1

A complex mixture of hydrocarbons with carbon numbers in the range C9 and higher.

* * * Section 4 - First Aid Measures * * *

First Aid: Eyes

In case of contact with eyes, immediately flush with clean, low-pressure water for at least 15 min. Hold eyelids open to ensure adequate flushing. Seek medical attention.

First Aid: Skin

Remove contaminated clothing. Wash contaminated areas thoroughly with soap and water or with waterless hand cleanser. Obtain medical attention if irritation or redness develops. Thermal burns require immediate medical attention depending on the severity and the area of the body burned.

First Aid: Ingestion

DO NOT INDUCE VOMITING. Do not give liquids. Obtain immediate medical attention. If spontaneous vomiting occurs, lean victim forward to reduce the risk of aspiration. Monitor for breathing difficulties. Small amounts of material which enter the mouth should be rinsed out until the taste is dissipated.

Safety Data Sheet

Material Name: Diesel Fuel, All Types

SDS No. 9909

First Aid: Inhalation

Remove person to fresh air. If person is not breathing, provide artificial respiration. If necessary, provide additional oxygen once breathing is restored if trained to do so. Seek medical attention immediately.

* * * Section 5 - Fire Fighting Measures * * *

General Fire Hazards

See Section 9 for Flammability Properties.

Vapors may be ignited rapidly when exposed to heat, spark, open flame or other source of ignition. When mixed with air and exposed to an ignition source, flammable vapors can burn in the open or explode in confined spaces. Being heavier than air, vapors may travel long distances to an ignition source and flash back. Runoff to sewer may cause fire or explosion hazard.

Hazardous Combustion Products

Carbon monoxide, carbon dioxide and non-combusted hydrocarbons (smoke).

Extinguishing Media

SMALL FIRES: Any extinguisher suitable for Class B fires, dry chemical, CO₂, water spray, fire fighting foam, and other gaseous agents.

LARGE FIRES: Water spray, fog or fire fighting foam. Water may be ineffective for fighting the fire, but may be used to cool fire-exposed containers.

Unsuitable Extinguishing Media

None

Fire Fighting Equipment/Instructions

Small fires in the incipient (beginning) stage may typically be extinguished using handheld portable fire extinguishers and other fire fighting equipment. Firefighting activities that may result in potential exposure to high heat, smoke or toxic by-products of combustion should require NIOSH/MSHA- approved pressure-demand self-contained breathing apparatus with full facepiece and full protective clothing. Isolate area around container involved in fire. Cool tanks, shells, and containers exposed to fire and excessive heat with water. For massive fires the use of unmanned hose holders or monitor nozzles may be advantageous to further minimize personnel exposure. Major fires may require withdrawal, allowing the tank to burn. Large storage tank fires typically require specially trained personnel and equipment to extinguish the fire, often including the need for properly applied fire fighting foam.

* * * Section 6 - Accidental Release Measures * * *

Recovery and Neutralization

Carefully contain and stop the source of the spill, if safe to do so.

Materials and Methods for Clean-Up

Take up with sand or other oil absorbing materials. Carefully shovel, scoop or sweep up into a waste container for reclamation or disposal. Caution, flammable vapors may accumulate in closed containers.

Emergency Measures

Evacuate nonessential personnel and remove or secure all ignition sources. Consider wind direction; stay upwind and uphill, if possible. Evaluate the direction of product travel, diking, sewers, etc. to confirm spill areas. Spills may infiltrate subsurface soil and groundwater; professional assistance may be necessary to determine the extent of subsurface impact.

Safety Data Sheet

Material Name: Diesel Fuel, All Types

SDS No. 9909

Personal Precautions and Protective Equipment

Response and clean-up crews must be properly trained and must utilize proper protective equipment (see Section 8).

Environmental Precautions

Protect bodies of water by diking, absorbents, or absorbent boom, if possible. Do not flush down sewer or drainage systems, unless system is designed and permitted to handle such material. The use of fire fighting foam may be useful in certain situations to reduce vapors. The proper use of water spray may effectively disperse product vapors or the liquid itself, preventing contact with ignition sources or areas/equipment that require protection.

Prevention of Secondary Hazards

None

*** Section 7 - Handling and Storage ***

Handling Procedures

Handle as a combustible liquid. Keep away from heat, sparks, excessive temperatures and open flame! No smoking or open flame in storage, use or handling areas. Bond and ground containers during product transfer to reduce the possibility of static-initiated fire or explosion.

Special slow load procedures for "switch loading" must be followed to avoid the static ignition hazard that can exist when higher flash point material (such as fuel oil) is loaded into tanks previously containing low flash point products (such as this product) - see API Publication 2003, "Protection Against Ignitions Arising Out Of Static, Lightning and Stray Currents."

Storage Procedures

Keep away from flame, sparks, excessive temperatures and open flame. Use approved vented containers. Keep containers closed and clearly labeled. Empty product containers or vessels may contain explosive vapors. Do not pressurize, cut, heat, weld or expose such containers to sources of ignition.

Store in a well-ventilated area. This storage area should comply with NFPA 30 "Flammable and Combustible Liquid Code". Avoid storage near incompatible materials. The cleaning of tanks previously containing this product should follow API Recommended Practice (RP) 2013 "Cleaning Mobile Tanks In Flammable and Combustible Liquid Service" and API RP 2015 "Cleaning Petroleum Storage Tanks."

Incompatibilities

Keep away from strong oxidizers.

*** Section 8 - Exposure Controls / Personal Protection ***

Component Exposure Limits

Fuels, diesel, no. 2 (68476-34-6)

ACGIH: 100 mg/m3 TWA (inhalable fraction and vapor, as total hydrocarbons, listed under Diesel fuel)
Skin - potential significant contribution to overall exposure by the cutaneous route (listed under Diesel fuel)

Safety Data Sheet

Material Name: Diesel Fuel, All Types

SDS No. 9909

Naphthalene (91-20-3)

ACGIH: 10 ppm TWA
15 ppm STEL

Skin - potential significant contribution to overall exposure by the cutaneous route

OSHA: 10 ppm TWA; 50 mg/m3 TWA

NIOSH: 10 ppm TWA; 50 mg/m3 TWA
15 ppm STEL; 75 mg/m3 STEL

Engineering Measures

Use adequate ventilation to keep vapor concentrations of this product below occupational exposure and flammability limits, particularly in confined spaces.

Personal Protective Equipment: Respiratory

A NIOSH/MSHA-approved air-purifying respirator with organic vapor cartridges or canister may be permissible under certain circumstances where airborne concentrations are or may be expected to exceed exposure limits or for odor or irritation. Protection provided by air-purifying respirators is limited.

Use a positive pressure, air-supplied respirator if there is a potential for uncontrolled release, exposure levels are not known, in oxygen-deficient atmospheres, or any other circumstance where an air-purifying respirator may not provide adequate protection.

Personal Protective Equipment: Hands

Gloves constructed of nitrile, neoprene, or PVC are recommended.

Personal Protective Equipment: Eyes

Safety glasses or goggles are recommended where there is a possibility of splashing or spraying.

Personal Protective Equipment: Skin and Body

Chemical protective clothing such as of E.I. DuPont TyChem®, Saranex® or equivalent recommended based on degree of exposure. Note: The resistance of specific material may vary from product to product as well as with degree of exposure. Consult manufacturer specifications for further information.

* * * Section 9 - Physical & Chemical Properties * * *

Appearance:	Clear, straw-yellow.	Odor:	Mild, petroleum distillate odor
Physical State:	Liquid	pH:	ND
Vapor Pressure:	0.009 psia @ 70 °F (21 °C)	Vapor Density:	>1.0
Boiling Point:	320 to 690 °F (160 to 366 °C)	Melting Point:	ND
Solubility (H2O):	Negligible	Specific Gravity:	0.83-0.876 @ 60°F (16°C)
Evaporation Rate:	Slow; varies with conditions	VOC:	ND
Percent Volatile:	100%	Octanol/H2O Coeff.:	ND
Flash Point:	>125 °F (>52 °C) minimum	Flash Point Method:	PMCC
Upper Flammability Limit (UFL):	7.5	Lower Flammability Limit (LFL):	0.6
Burning Rate:	ND	Auto Ignition:	494°F (257°C)

* * * Section 10 - Chemical Stability & Reactivity Information * * *

Chemical Stability

This is a stable material.

Hazardous Reaction Potential

Will not occur.

Safety Data Sheet

Material Name: Diesel Fuel, All Types

SDS No. 9909

Conditions to Avoid

Avoid high temperatures, open flames, sparks, welding, smoking and other ignition sources.

Incompatible Products

Keep away from strong oxidizers.

Hazardous Decomposition Products

Carbon monoxide, carbon dioxide and non-combusted hydrocarbons (smoke).

* * * Section 11 - Toxicological Information * * *

Acute Toxicity

A: General Product Information

Harmful if swallowed.

B: Component Analysis - LD50/LC50

Naphthalene (91-20-3)

Inhalation LC50 Rat >340 mg/m³ 1 h; Oral LD50 Rat 490 mg/kg; Dermal LD50 Rat >2500 mg/kg; Dermal LD50 Rabbit >20 g/kg

Potential Health Effects: Skin Corrosion Property/Stimulativeness

Practically non-toxic if absorbed following acute (single) exposure. May cause skin irritation with prolonged or repeated contact. Liquid may be absorbed through the skin in toxic amounts if large areas of skin are repeatedly exposed.

Potential Health Effects: Eye Critical Damage/ Stimulativeness

Contact with eyes may cause mild irritation.

Potential Health Effects: Ingestion

Ingestion may cause gastrointestinal disturbances, including irritation, nausea, vomiting and diarrhea, and central nervous system (brain) effects similar to alcohol intoxication. In severe cases, tremors, convulsions, loss of consciousness, coma, respiratory arrest, and death may occur.

Potential Health Effects: Inhalation

Excessive exposure may cause irritations to the nose, throat, lungs and respiratory tract. Central nervous system (brain) effects may include headache, dizziness, loss of balance and coordination, unconsciousness, coma, respiratory failure, and death.

WARNING: the burning of any hydrocarbon as a fuel in an area without adequate ventilation may result in hazardous levels of combustion products, including carbon monoxide, and inadequate oxygen levels, which may cause unconsciousness, suffocation, and death.

Respiratory Organs Sensitization/Skin Sensitization

This product is not reported to have any skin sensitization effects.

Generative Cell Mutagenicity

This material has been positive in a mutagenicity study.

Carcinogenicity

A: General Product Information

Suspected of causing cancer.

Safety Data Sheet

Material Name: Diesel Fuel, All Types

SDS No. 9909

Studies have shown that similar products produce skin tumors in laboratory animals following repeated applications without washing or removal. The significance of this finding to human exposure has not been determined. Other studies with active skin carcinogens have shown that washing the animal's skin with soap and water between applications reduced tumor formation.

B: Component Carcinogenicity

Fuels, diesel, no. 2 (68476-34-6)

ACGIH: A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans (listed under Diesel fuel)

Naphthalene (91-20-3)

ACGIH: A4 - Not Classifiable as a Human Carcinogen

NTP: Reasonably Anticipated To Be A Human Carcinogen (Possible Select Carcinogen)

IARC: Monograph 82 [2002] (Group 2B (possibly carcinogenic to humans))

Reproductive Toxicity

This product is not reported to have any reproductive toxicity effects.

Specified Target Organ General Toxicity: Single Exposure

This product is not reported to have any specific target organ general toxicity single exposure effects.

Specified Target Organ General Toxicity: Repeated Exposure

This product is not reported to have any specific target organ general toxicity repeat exposure effects.

Aspiration Respiratory Organs Hazard

The major health threat of ingestion occurs from the danger of aspiration (breathing) of liquid drops into the lungs, particularly from vomiting. Aspiration may result in chemical pneumonia (fluid in the lungs), severe lung damage, respiratory failure and even death.

*** Section 12 - Ecological Information ***

Ecotoxicity

A: General Product Information

Keep out of sewers, drainage areas and waterways. Report spills and releases, as applicable, under Federal and State regulations.

B: Component Analysis - Ecotoxicity - Aquatic Toxicity

Fuels, diesel, no. 2 (68476-34-6)

Test & Species

96 Hr LC50 Pimephales promelas

35 mg/L [flow-through]

Conditions

Naphthalene (91-20-3)

Test & Species

96 Hr LC50 Pimephales promelas

5.74-6.44 mg/L [flow-through]

Conditions

96 Hr LC50 Oncorhynchus mykiss

1.6 mg/L [flow-through]

96 Hr LC50 Oncorhynchus mykiss

0.91-2.82 mg/L [static]

96 Hr LC50 Pimephales promelas

1.99 mg/L [static]

Safety Data Sheet

Material Name: Diesel Fuel, All Types

SDS No. 9909

96 Hr LC50 Lepomis macrochirus	31.0265 mg/L [static]
72 Hr EC50 Skeletonema costatum	0.4 mg/L
48 Hr LC50 Daphnia magna	2.16 mg/L
48 Hr EC50 Daphnia magna	1.96 mg/L [Flow through]
48 Hr EC50 Daphnia magna	1.09 - 3.4 mg/L [Static]

Persistence/Degradability

No information available.

Bioaccumulation

No information available.

Mobility in Soil

No information available.

*** Section 13 - Disposal Considerations ***

Waste Disposal Instructions

See Section 7 for Handling Procedures. See Section 8 for Personal Protective Equipment recommendations.

Disposal of Contaminated Containers or Packaging

Dispose of contents/container in accordance with local/regional/national/international regulations.

*** Section 14 - Transportation Information ***

DOT Information

Shipping Name: Diesel Fuel

NA #: 1993 **Hazard Class:** 3 **Packing Group:** III

Placard:



*** Section 15 - Regulatory Information ***

Regulatory Information

Component Analysis

This material contains one or more of the following chemicals required to be identified under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65) and/or CERCLA (40 CFR 302.4).

Naphthalene (91-20-3)

CERCLA: 100 lb final RQ; 45.4 kg final RQ

SARA Section 311/312 – Hazard Classes

Acute Health
X

Chronic Health
X

Fire
X

Sudden Release of Pressure
--

Reactive
--

Safety Data Sheet

Material Name: Diesel Fuel, All Types

SDS No. 9909

SARA SECTION 313 - SUPPLIER NOTIFICATION

This product may contain listed chemicals below the de minimis levels which therefore are not subject to the supplier notification requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act (EPCRA) of 1986 and of 40 CFR 372. If you may be required to report releases of chemicals listed in 40 CFR 372.28, you may contact Hess Corporate Safety if you require additional information regarding this product.

State Regulations

Component Analysis - State

The following components appear on one or more of the following state hazardous substances lists:

Component	CAS	CA	MA	MN	NJ	PA	RI
Fuels, diesel, no. 2	68476-34-6	No	No	No	Yes	No	No
Naphthalene	91-20-3	Yes	Yes	Yes	Yes	Yes	No

The following statement(s) are provided under the California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65):

WARNING! This product contains a chemical known to the state of California to cause cancer.

Component Analysis - WHMIS IDL

No components are listed in the WHMIS IDL.

Additional Regulatory Information

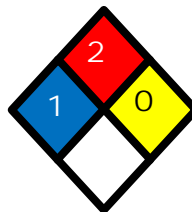
Component Analysis - Inventory

Component	CAS #	TSCA	CAN	EEC
Fuels, diesel, no. 2	68476-34-6	Yes	DSL	EINECS
Naphthalene	91-20-3	Yes	DSL	EINECS

* * * Section 16 - Other Information * * *

NFPA® Hazard Rating

Health 1
Fire 2
Reactivity 0



HMIS® Hazard Rating

Health 1* Slight
Fire 2 Moderate
Physical 0 Minimal
*Chronic

Safety Data Sheet

Material Name: Diesel Fuel, All Types

SDS No. 9909

Key/Legend

ACGIH = American Conference of Governmental Industrial Hygienists; ADG = Australian Code for the Transport of Dangerous Goods by Road and Rail; ADR/RID = European Agreement of Dangerous Goods by Road/Rail; AS = Standards Australia; DFG = Deutsche Forschungsgemeinschaft; DOT = Department of Transportation; DSL = Domestic Substances List; EEC = European Economic Community; EINECS = European Inventory of Existing Commercial Chemical Substances; ELINCS = European List of Notified Chemical Substances; EU = European Union; HMIS = Hazardous Materials Identification System; IARC = International Agency for Research on Cancer; IMO = International Maritime Organization; IATA = International Air Transport Association; MAK = Maximum Concentration Value in the Workplace; NDSL = Non-Domestic Substances List; NFPA = National Fire Protection Association; NOHSC = National Occupational Health & Safety Commission; NTP = National Toxicology Program; STEL = Short-term Exposure Limit; TDG = Transportation of Dangerous Goods; TLV = Threshold Limit Value; TSCA = Toxic Substances Control Act; TWA = Time Weighted Average

Literature References

None

Other Information

Information presented herein has been compiled from sources considered to be dependable, and is accurate and reliable to the best of our knowledge and belief, but is not guaranteed to be so. Since conditions of use are beyond our control, we make no warranties, expressed or implied, except those that may be contained in our written contract of sale or acknowledgment.

Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Additionally, vendor assumes no responsibility for injury to vendee or third persons proximately caused by abnormal use of the material, even if reasonable safety procedures are followed. Furthermore, vendee assumes the risk in their use of the material.

End of Sheet



ATTACHMENT O

EMISSION SUMMARY SHEETS NOT APPLICABLE (SEE NOTE)

Note: Attachment O applies to General Permit G-70 Applications

General Permit G-65C Registration Application

**WKLC-FM Radio Tower Emergency Generator,
St. Albans, West Virginia**

WKLC, Inc.
100 Kanawha Terrace
St. Albans, West Virginia

February 2016