

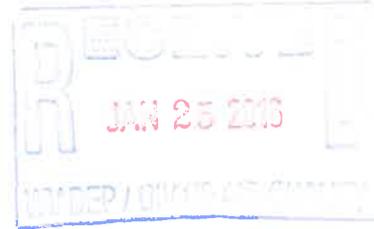


AT&T Corp.
PO Box 5095, Room 4W200M
San Ramon, CA 94583

T: 925.327.2532
F: 281.664.4201
www.att.com

January 15, 2016

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



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

Dear Ms. McKeone:

DirecTV Customer Services, Inc (referred to herein as "DirecTV"), a subsidiary of AT&T Corp. (referred to herein as "AT&T") owns and operates a customer call service facility located at 2203 5th Street Road, Huntington, WV (Huntington Call Center). DirecTV operates an existing single 2,206 brake-horsepower (bhp) diesel-fired engine, which drives a 1,500 kW emergency generator at the Huntington Call Center. DirecTV is submitting this application to request the West Virginia DEP provide a G60-C Class II Emergency Generator permit under 45CSR13.

~*~

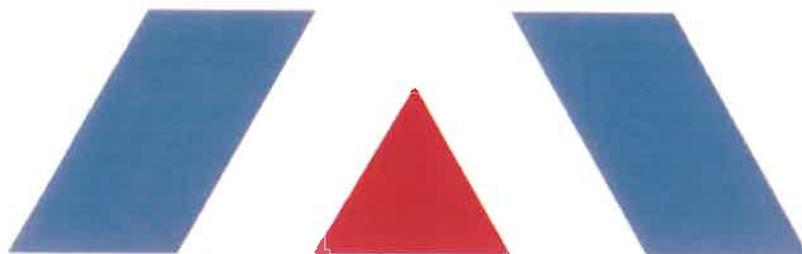
If you have any questions, or need further information, please do not hesitate to contact me at 214-464-2522 or G43913@att.com.

Sincerely,

AT&T CORP.

DeRonica Lamb
Manager, Environment, Health & Safety

Attachment: Permit Application



G60-C PERMIT APPLICATION
DirecTV Customer Services, Inc. > Huntington Call Center



Huntington, West Virginia

Prepared By:

Brent Fitzgerald – Senior Consultant
Andrew Kessler – Consultant

TRINITY CONSULTANTS
15 Salem Avenue,
Suite 201
Roanoke, Virginia 24011

(540) 342-5945

January 2016

Project 152601.0099

Trinity 
Consultants

Environmental solutions delivered uncommonly well

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1. INTRODUCTION

DirecTV Customer Services Inc. (DirecTV) is submitting this Emergency Generator Class II General Permit G60-C application to the West Virginia Department of Environmental Protection (DEP) for an existing diesel-fired engine-driven emergency generator at a facility located in Huntington, West Virginia.

1.1. FACILITY DESCRIPTION

The DirecTV facility in Huntington, West Virginia (Huntington Call Center) is a customer service call center located at 2203 5th Street Road, Huntington, West Virginia 25701. This facility is operated under the DirecTV brand, which was acquired by AT&T in 2015. The Huntington Call Center operates a single diesel-powered 2,206 horsepower (hp) engine, which drives a 1,500 kW emergency generator for use in the event that off-site power is lost. This unit was purchased and installed new in 2011.

1.2. G60-C APPLICATION ORGANIZATION

This General Permit application is organized as follows:

- Section 2: Sample Emission Source Calculations
- Section 3: G60-C Application Forms
- 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: Affected Source Sheets
- Attachment H: Air Pollution Control Device Data Sheet
- Attachment I: Emissions Calculations
- Attachment J: Class I Legal Advertisement
- Attachment M: Siting Criteria Waiver

2. SAMPLE EMISSION SOURCE CALCULATIONS

The characteristics of air emissions from the Huntington Call Center, along with the methodology used for calculating emissions from the existing source, are described in narrative form below. Detailed calculations are also provided in Attachment I.

Emissions from the existing emergency generator were calculated using emission factors from several sources. All hazardous air pollutant (HAP) and sulfur dioxide (SO₂) emissions were calculated using factors from Environmental Protection Agency (EPA) AP-42 for large diesel fired stationary engines.¹ Volatile organic compounds (VOC) and nitrous oxides (NO_x) were calculated using emission factors from the manufacturer's specification sheet, and particulate matter (PM) and carbon monoxide (CO) were calculated using emission factors from the California Air Resources Board (CARB) engine family certification form.

¹ EPA AP-42, Fifth Edition, Volume I, Chapter 3.4, *Large Stationary Diesel and All Stationary Dual-fired Engines*, October 1996, Supplement B.

3. G60-C APPLICATION FORM

The DEP permit application forms contained in this application include all applicable General Permit applications forms, including required attachments, for an Emergency Generator Class II General Permit G60-C. The affected source sheet describing the technical specifications of the emergency generator is located in Attachment G.



WEST VIRGINIA
 DEPARTMENT OF ENVIRONMENTAL PROTECTION
 DIVISION OF AIR QUALITY
 601 57th Street, SE
 Charleston, WV 25304
 Phone: (304) 926-0475 • www.dep.wv.gov/daq

APPLICATION FOR GENERAL PERMIT REGISTRATION
 CONSTRUCT, MODIFY, RELOCATE OR ADMINISTRATIVELY UPDATE
 A STATIONARY SOURCE OF AIR POLLUTANTS

- CONSTRUCTION MODIFICATION RELOCATION CLASS I ADMINISTRATIVE UPDATE
 CLASS II ADMINISTRATIVE UPDATE

CHECK WHICH TYPE OF GENERAL PERMIT REGISTRATION YOU ARE APPLYING FOR:

- | | |
|---------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| <input type="checkbox"/> G10-D – Coal Preparation and Handling | <input type="checkbox"/> G40-C – Nonmetallic Minerals Processing |
| <input type="checkbox"/> G20-B – Hot Mix Asphalt | <input type="checkbox"/> G50-B – Concrete Batch |
| <input type="checkbox"/> G30-D – Natural Gas Compressor Stations | <input checked="" type="checkbox"/> G60-C – Class II Emergency Generator |
| <input type="checkbox"/> G33-A – Spark Ignition Internal Combustion Engines | <input type="checkbox"/> G65-C – Class I Emergency Generator |
| <input type="checkbox"/> G35-A – Natural Gas Compressor Stations (Flare/Glycol Dehydration Unit) | <input type="checkbox"/> G70-A – Class II Oil and Natural Gas Production Facility |

SECTION I. GENERAL INFORMATION

1. Name of applicant (as registered with the WV Secretary of State's Office): DirecTV Customer Services, Inc.		2. Federal Employer ID No. (FEIN): 95-4738537	
3. Applicant's mailing address: PO Box 5095, Room 4W200M, San Ramon, CA 94583		4. Applicant's physical address: 2203 5th Street Road, Huntington, WV 25701	
5. If applicant is a subsidiary corporation, please provide the name of parent corporation: AT&T Corp.			
6. WV BUSINESS REGISTRATION. Is the applicant a resident of the State of West Virginia? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO – IF YES, provide a copy of the Certificate of Incorporation/ Organization / Limited Partnership (one page) including any name change amendments or other Business Registration Certificate as Attachment A . – IF NO, provide a copy of the Certificate of Authority / Authority of LLC / Registration (one page) including any name change amendments or other Business Certificate as Attachment A .			

SECTION II. FACILITY INFORMATION

7. Type of plant or facility (stationary source) to be constructed, modified, relocated or administratively updated (e.g., coal preparation plant, primary crusher, etc.): Engine-Driven Emergency Generator	8a. Standard Industrial Classification (SIC) code 7389 AND 8b. North American Industry System (NAICS) code: 561420
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): _____ _____

A: PRIMARY OPERATING SITE INFORMATION

<p>11A. Facility name of primary operating site:</p> <p>Huntington Call Center</p>	<p>12A. Address of primary operating site:</p> <p>Mailing & Physical: 2203 5th Street Road, Huntington, WV 25701</p>	
<p>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</p> <p>— IF YES, please explain: Owned by applicant</p> <p>— IF NO, YOU ARE NOT ELIGIBLE FOR A PERMIT FOR THIS SOURCE.</p>		
<p>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;</p> <p>— For Construction or Relocation permits, please provide directions to the proposed new site location from the nearest state road. Include a MAP as Attachment F.</p> <p>Site is located at the corner of 5th Street Road (WV Route 152) and Weaver Dr. in Huntington, WV. The engine-driven emergency generator is located at south corner of building.</p>		
<p>15A. Nearest city or town:</p> <p>Huntington</p>	<p>16A. County:</p> <p>Cabell</p>	<p>17A. UTM Coordinates:</p> <p>Northing (KM): 42,499.29</p> <p>Easting (KM): 3,727.04</p> <p>Zone: 17S</p>
<p>18A. Briefly describe the proposed new operation or change (s) to the facility:</p> <p>Permitting of engine-driven emergency generator</p>		<p>19A. Latitude & Longitude Coordinates (NAD83, Decimal Degrees to 5 digits):</p> <p>Latitude: 38.38852 N</p> <p>Longitude: 82.45757 W</p>

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

<p>11B. Name of 1st alternate operating site:</p> <p>_____</p> <p>_____</p> <p>_____</p>	<p>12B. Address of 1st alternate operating site:</p> <p>Mailing: _____ Physical: _____</p> <p>_____</p> <p>_____</p>	
<p>13B. 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</p> <p>— IF YES, please explain: _____</p> <p>_____</p> <p>— IF NO, YOU ARE NOT ELIGIBLE FOR A PERMIT FOR THIS SOURCE.</p>		

<p>20. Provide the date of anticipated installation or change: _____/_____/_____ <input type="checkbox"/> If this is an After The Fact permit application, provide the date upon which the proposed change did happen:-- _____/_____/_____</p>	<p>21. Date of anticipated Start-up if registration is granted: _____/_____/_____</p>
<p>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 _____</p>	

SECTION III. ATTACHMENTS AND SUPPORTING DOCUMENTS

23. Include a check payable to WVDEP – Division of Air Quality with the appropriate **application fee** (per 45CSR22 and 45CSR13).

24. Include a **Table of Contents** as the first page of your application package.

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.

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.

- 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
- 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
- ATTACHMENT M: SITING CRITERIA WAIVER
- ATTACHMENT N: MATERIAL SAFETY DATA SHEETS (MSDS)
- ATTACHMENT O: EMISSIONS SUMMARY SHEETS
- OTHER SUPPORTING DOCUMENTATION NOT DESCRIBED ABOVE (Equipment Drawings, Aggregation Discussion, etc.)

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.

SECTION IV. CERTIFICATION OF INFORMATION

This General Permit Registration Application shall be signed below by a Responsible Official. A Responsible Official is a President, Vice President, Secretary, Treasurer, General Partner, General Manager, a member of a Board of Directors, or Owner, depending on business structure. A business may certify an Authorized Representative who shall have authority to bind the Corporation, Partnership, Limited Liability Company, Association, Joint Venture or Sole Proprietorship. Required records of daily throughput, hours of operation and maintenance, general correspondence, Emission Inventory, Certified Emission Statement, compliance certifications and all required notifications must be signed by a Responsible Official or an Authorized Representative. If a business wishes to certify an Authorized Representative, the official agreement below shall be checked off and the appropriate names and signatures entered. Any administratively incomplete or improperly signed or unsigned Registration Application will be returned to the applicant.

FOR A CORPORATION (domestic or foreign)

I certify that I am a President, Vice President, Secretary, Treasurer or in charge of a principal business function of the corporation

FOR A PARTNERSHIP

I certify that I am a General Partner

FOR A LIMITED LIABILITY COMPANY

I certify that I am a General Partner or General Manager

FOR AN ASSOCIATION

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

FOR A JOINT VENTURE

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

FOR A SOLE PROPRIETORSHIP

I certify that I am the Owner and Proprietor

G I hereby certify that (please print or type) Jalavna Bolden 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 Hilary Hatch 1-20-16
(please use blue ink) Responsible Official Date

Name & Title Hilary Hatch Skinner, VP, Real Estate
(please print or type)

Signature _____
(please use blue ink) Authorized Representative (if applicable) Date

Applicant's Name _____

Phone & Fax 214-464-2522

Email G43913@att.com

ATTACHMENT A

Current Business Certificate

**WEST VIRGINIA
STATE TAX DEPARTMENT
BUSINESS REGISTRATION
CERTIFICATE**

ISSUED TO:
**DIRECTV LLC
2230 E IMPERIAL HWY
EL SEGUNDO, CA 90245-3504**

BUSINESS REGISTRATION ACCOUNT NUMBER: 2262-1576

This certificate is issued on: 01/31/2012

*This certificate is issued by
the West Virginia State Tax Commissioner
in accordance with Chapter 11, Article 12, of the West Virginia Code*

*The person or organization identified on this certificate is registered
to conduct business in the State of West Virginia at the location above.*

This certificate is not transferrable and must be displayed at the location for which issued.

This certificate shall be permanent until cessation of the business for which the certificate of registration was granted or until it is suspended, revoked or cancelled by the Tax Commissioner.

Change in name or change of location shall be considered a cessation of the business and a new certificate shall be required.

**TRAVELING/STREET VENDORS: Must carry a copy of this certificate in every vehicle operated by them.
CONTRACTORS, DRILLING OPERATORS, TIMBER/LOGGING OPERATIONS: Must have a copy of
this certificate displayed at every job site within West Virginia.**



STATE OF WEST VIRGINIA
State Tax Department, Revenue Division
P. O. Box 2666
Charleston, WV 25330-2666



Earl Ray Tomblin, Governor

Craig A. Griffith, Tax Commissioner

C/O BRAD RHODUS
DIRECTV LLC
3838 W CARSON ST STE 200
TORRANCE CA 90503-6703

Letter Id: L0814763648
Issued: 01/31/2012
Account #: 2262-1576

00008802010000



RE: Business Registration Certificate

The West Virginia State Tax Department would like to thank you for registering your business. Enclosed is your Business Registration Certificate. This certificate shall be permanent until cessation of business or until suspended, revoked or cancelled. Changes in name, ownership or location are considered a cessation of business; a new Business Registration Certificate and applicable fees are required. Please review the certificate for accuracy.

This certificate must be prominently displayed at the location for which issued. Engaging in business without conspicuously posting a West Virginia Business Registration Certificate in the place of business is a crime and may subject you to fines per W.Va. Code § 11-9.

When contacting the State Tax Department, refer to the appropriate account number listed on the back of this page. The taxes listed may not be all the taxes for which you are responsible. Account numbers for taxes are printed on the tax returns mailed by the State Tax Department. Failure to timely file tax returns may result in penalties for late filing.

Should the nature of your business activity or business ownership change, your liability for these and other taxes will change accordingly.

To learn more about these taxes and the services offered by the West Virginia State Tax Department, visit our web site at www.wvtax.gov.

Enclosure

atL006 v.4

Save a stamp and your time. You can now view, file and pay taxes at <https://mytaxes.wvtax.gov>
More taxes will be available for online access in the future.

TAX	FILING FREQUENCY	ACCOUNT NUMBER
Business Registration Tax		2262-1576
Pass Through Entity Tax	Annual	2262-1579

State of West Virginia



Certificate

I, Betty Ireland, Secretary of State of the State of West Virginia, hereby certify that

DIRECTV CUSTOMER SERVICES, INC.

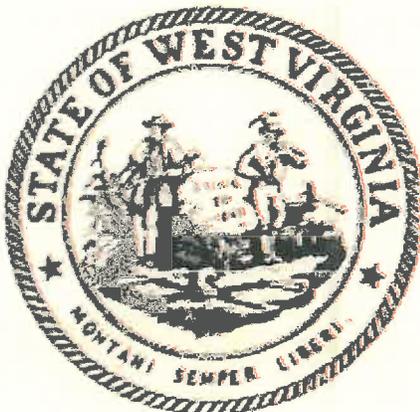
Control Number: 12027

a corporation formed under the laws of Delaware has filed its "Application for Certificate of Authority" to transact business in West Virginia as required by the provisions of the West Virginia Code. I hereby declare the organization to be registered as a foreign corporation from its effective date of May 15, 2008.

Therefore, I issue this

CERTIFICATE OF AUTHORITY

to the corporation authorizing it to transact business in West Virginia



*Given under my hand and the
Great Seal of the State of
West Virginia on this day of
May 15, 2008*

Betty Ireland

Secretary of State

Betty Ireland
Secretary of State
State Capitol
1900 Kanawha Blvd. E.
Charleston, WV 25305
FILE ONE ORIGINAL
FEES PER SCHEDULE



CERTIFICATE OF AUTHORITY

Peaney Barker, Manager
Corporations Division
Tel. (304) 558-8000
Fax (304) 558-8381
www.wvsos.com
Hours: 8:30am-5:00pm
PLEASE READ INSTRUCTIONS

CTRL # 12027

1. HOME STATE INFORMATION:

- a. The name of the corporation as it is registered in its home state is: DIRECTV Customer Services, Inc.
- b. State of Delaware Date of Incorp. 04/15/1999 Duration (# yrs. or perpetual) perpetual
Warning: Tax reporting requirements in West Va. will not end until a withdrawal is filed.
- c. NAIC # _____ (If an insurance company)

2. PRINCIPAL OFFICE INFORMATION:

- a. Address of the principal office of the corporation: No. & Street 2230 E. Imperial Highway
City/State/Zip El Segundo, CA 90245
- b. Mailing address, if different, from above address: Street/PO Box same
City/State/Zip _____

FILED

MAY 15 2008

IN THE OFFICE OF
SECRETARY OF STATE
WEST VIRGINIA

3. WEST VIRGINIA INFORMATION:

- a. Corporate name to be used in W. Va.:
(check one, follow instructions) Home state name as listed on line 1.a. above, if available.
 DBA name
- b. Address of registered office in West Virginia, if any: No. & Street _____
City/State/Zip _____
- c. Mailing address in WV, if different, from above: Street/PO Box _____
City/State/Zip _____
- d. Proposed purpose(s) for transaction of business in WV: Operates Directtv call centers.

4. AGENT OF PROCESS:

Property designated person to whom notice of process may be sent, if any:

Name Corporation Service Company
Address 209 West Washington Street, Charleston, WV 25302

5. CORPORATE STATUS INFORMATION:

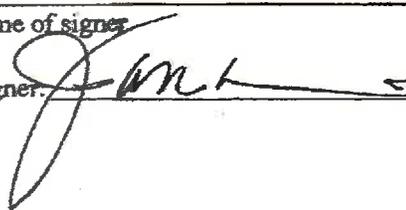
- a. Corporation is organized as (check one): For profit
 Non-profit

b. Directors and Officers: (Add extra page if necessary; please list all officers)

Officer	Name	Address
Director	Chase Carey	2230 E. Imperial Hwy, El Segundo, CA 90245
Pres/CEO	Chase Carey	2230 E. Imperial Hwy, El Segundo, CA 90245
Sr VP,CFO	Patrick T. Doyle	2230 E. Imperial Hwy, El Segundo, CA 90245
EVP, Gen Counsel, Sec	Larry D. Hunter	2230 E. Imperial Hwy, El Segundo, CA 90245
Exec VP	Michael W. Palkovic	2230 E. Imperial Hwy, El Segundo, CA 90245
<i>See attached for additional OFFICERS</i>		

6. The number of acres of land it holds or expects to hold in West Virginia is: n/a

7. Contact and Signature Information

- a. Jan Williamson 310-964-0724
 Contact Name Phone Number
- b. Jan Williamson Assistant Secretary
 Print or type name of signer Title or Capacity of Signer
- c. Signature of Signer  Date: May 12, 2008

Additional Officers:

All located at 2230 E. Imperial Hwy, El Segundo, CA 90245

Senior Vice Presidents:

Ellen Filipiak
Paul A. James
Michael G. Krenik
Keith U. Landenberger
J. William Little (and Treasurer)
John F. Murphy (and Controller)
Robin N. Rogers
Jon Rubin
Linden Serbousek

Assistant Secretaries

Hilary Hatch
Jan Williamson

Delaware

PAGE 1

The First State

I, HARRIET SMITH WINDSOR, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY "DIRECTV CUSTOMER SERVICES, INC." IS DULY INCORPORATED UNDER THE LAWS OF THE STATE OF DELAWARE AND IS IN GOOD STANDING AND HAS A LEGAL CORPORATE EXISTENCE SO FAR AS THE RECORDS OF THIS OFFICE SHOW, AS OF THE TWELFTH DAY OF MAY, A.D. 2008.

AND I DO HEREBY FURTHER CERTIFY THAT THE SAID "DIRECTV CUSTOMER SERVICES, INC." WAS INCORPORATED ON THE FIFTEENTH DAY OF APRIL, A.D. 1999.

AND I DO HEREBY FURTHER CERTIFY THAT THE FRANCHISE TAXES HAVE BEEN PAID TO DATE.

AND I DO HEREBY FURTHER CERTIFY THAT THE ANNUAL REPORTS HAVE BEEN FILED TO DATE.

3030366 8300

080534466

You may verify this certificate online
at corp.delaware.gov/secretary.state



Harriet Smith Windsor

Harriet Smith Windsor, Secretary of State

AUTHENTICATION: 6584687

DATE: 05-12-08

Process Description

The Huntington Call Center is a customer service call center located at 2203 5th Street Road, Huntington, West Virginia 25701. This site is equipped with a 2,206 hp diesel-fueled Caterpillar 3512C engine, associated with a 1,500 kW emergency generator. As an emergency generator, this unit operates less than 500 hours per year. This unit's purpose is to provide electric power to the Huntington Call Center in the event off-site power is lost for any reason. The generator is located outside the call center building on the south end of the site, and is equipped with a fuel storage tank with a capacity of 2,600 gallons.

ATTACHMENT C

Description of Fugitive Emissions

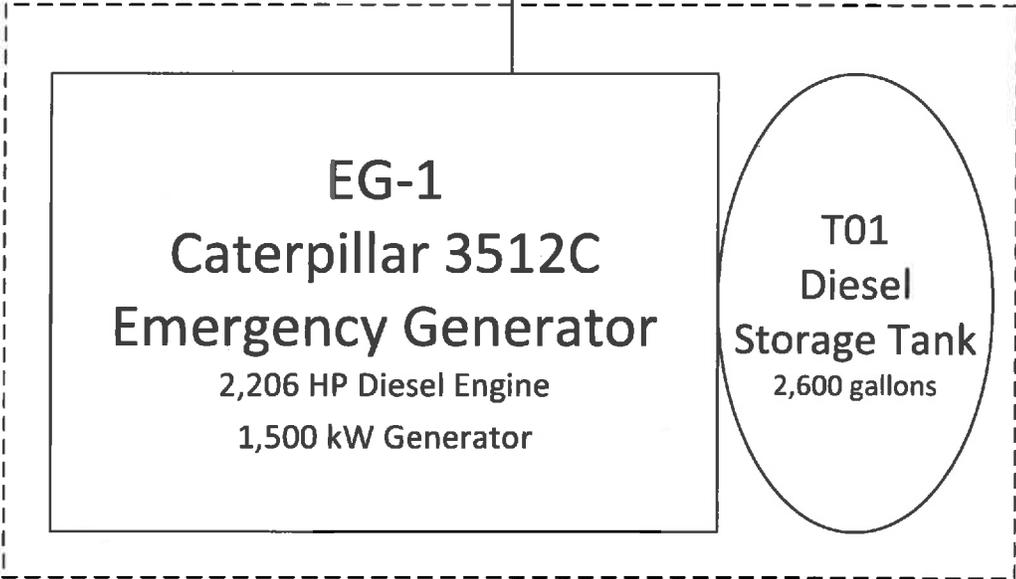
This attachment is not required for General Permit G60-C.

ATTACHMENT D

Process Flow Diagram

Huntington Call Center

Electricity



**Attachment D – Process
Flow Diagram**

DirecTV Huntington Call
Center

January 2016

Trinity
Consultants

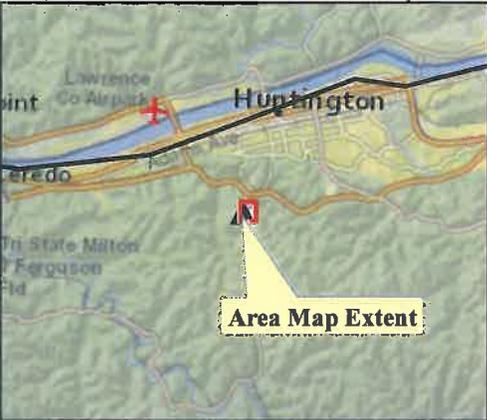
ATTACHMENT E

Plot Plan

Attachment E: Plot Plan
AT&T/DirectTV (FEIN: 95-4738537)
Huntington Call Center



Elevation: 650 Feet
UTM Northing (m): 4,249,929
UTM Easting (m): 372,704



UTM Northing (m)

4,250,000

4,249,750

372,500

372,750

373,000

Legend

- ▲ Huntington Call Center (HCC)
- HCC Fenceline/Property Boundary



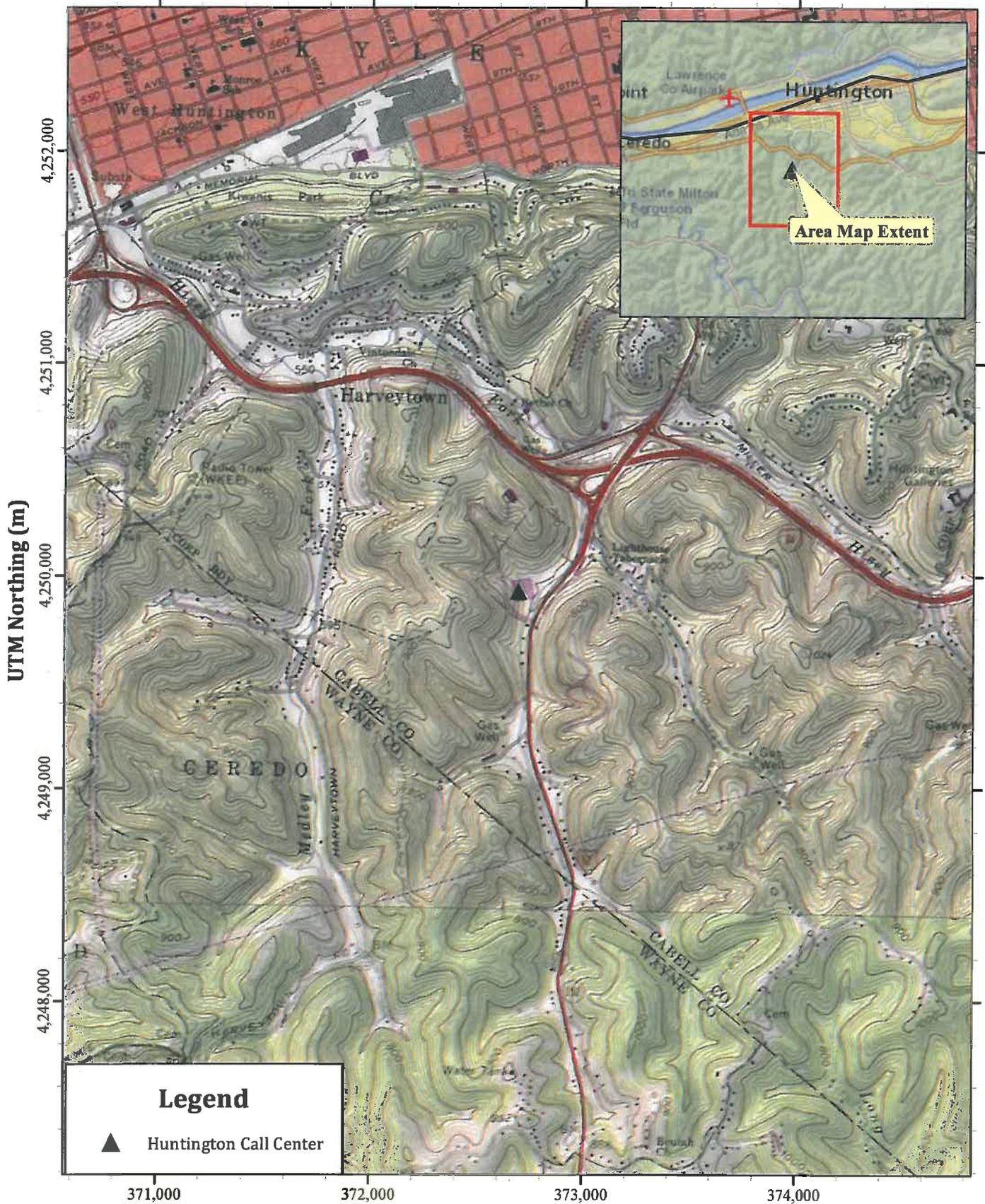
UTM Easting (m)
All coordinates shown in UTM projection,
Zone 17, NAD83

ATTACHMENT F

Area Map

Attachment F: Area Map

Huntington Call Center
2203 5th Street Road Huntington, WV 25701



UTM Easting (m)
All coordinates shown in UTM projection,
Zone 17, NAD83

ATTACHMENT G

Affected Source Sheet

G60-C REGISTRATION APPLICATION FORMS

General Permit G60-C Registration Section Applicability Form

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

General Permit G60-C allows the registrant to choose which sections of the permit that they wish to seek registration under. Therefore, please mark which sections that you are applying for registration under. Please keep in mind, that if this registration is approved, the issued registration will state which sections will apply to your affected facility.

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

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

EMERGENCY GENERATOR ENGINE DATA SHEET

Source Identification Number ¹		EG-1	
Engine Manufacturer and Model		Caterpillar 3512C	
Manufacturer's Rated bhp/rpm		2,206 @ 1,800 rpm	
Source Status ²		ES	
Date Installed/Modified/Removed ³		2011	
Engine Manufactured/Reconstruction Date ⁴		2011	
Is this a Certified Stationary Spark Ignition Engine according to 40CFR60 Subpart IIII? (Yes or No) ⁵		Yes	
Is this a Certified Stationary Spark Ignition Engine according to 40CFR60 Subpart JJJJ? (Yes or No) ⁶		No	
Engine, Fuel and Combustion Data	Engine Type ⁷	LB4S	
	APCD Type ⁸	N/A	
	Fuel Type ⁹	2FO	
	H ₂ S (gr/100 scf)	0.88	
	Operating bhp/rpm	2,206 bhp @ 1,800 rpm	
	BSFC (Btu/bhp-hr)	6,496	
	Fuel throughput (ft ³ /hr)	104.6 gal/hr	
	Fuel throughput (MMft ³ /yr)	52.3 Mgal/hr	
	Operation (hrs/yr)	500	
Reference ¹⁰	Potential Emissions ¹¹	lbs/hr	tons/yr
MD	NO _x	19.84	4.96
OT (California Air Resources Board Data)	CO	4.35	1.09
MD	VOC	0.53	0.13
AP-42	SO ₂	0.03	0.01
OT (California Air Resources Board Data)	PM ₁₀	0.62	0.15
AP-42	Formaldehyde	1.13E-05	2.83E-04

1. Enter the appropriate Source Identification Number for each emergency generator. Generator engines should be designated EG-1, EG-2, EG-3 etc. If more than three (3) engines exist, please use additional sheets.
2. Enter the Source Status using the following codes:

NS	Construction of New Source (installation)	ES	Existing Source
MS	Modification of Existing Source	RS	Removal of Source

3. Enter the date (or anticipated date) of the engine's installation (construction of source), modification or removal.
4. Enter the date that the engine was manufactured, modified or reconstructed.

5. Is the engine a certified stationary spark ignition internal combustion engine according to 40CFR60 Subpart III. If so, the engine and control device must be operated and maintained in accordance with the manufacturer's emission-related written instructions. You must keep records of conducted maintenance to demonstrate compliance, but no performance testing is required. If the certified engine is not operated and maintained in accordance with the manufacturer's emission-related written instructions, the engine will be considered a non-certified engine and you must demonstrate compliance according to 40CFR§60.4210 as appropriate.

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

6. Is the engine a certified stationary spark ignition internal combustion engine according to 40CFR60 Subpart JJJJ. If so, the engine and control device must be operated and maintained in accordance with the manufacturer's emission-related written instructions. You must keep records of conducted maintenance to demonstrate compliance, but no performance testing is required. If the certified engine is not operated and maintained in accordance with the manufacturer's emission-related written instructions, the engine will be considered a non-certified engine and you must demonstrate compliance according to 40CFR§60.4243a(2)(i) through (iii), as appropriate.

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

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

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

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

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

9. Enter the Fuel Type using the following codes:

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

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

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

11. Enter each engine's Potential to Emit (PTE) for the listed regulated pollutants in pounds per hour and tons per year. PTE shall be calculated at manufacturer's rated brake horsepower and may reflect reduction efficiencies of listed Air Pollution Control Devices. Emergency generator engines may use 500 hours of operation when calculating PTE. PTE data from this data sheet shall be incorporated in the *Emissions Summary Sheet*.

STORAGE TANK DATA SHEET

Source ID # ¹	Status ²	Content ³	Volume ⁴	Dia ⁵	Throughput ⁶	Orientation ⁷	Liquid Height ⁸
T01	EXIST	Diesel	2,600	5	5,000	HORZ	4

1. Enter the appropriate Source Identification Numbers (Source ID #) for each storage tank located at the compressor station. Tanks should be designated T01, T02, T03, etc.
2. Enter storage tank Status using the following:
 - EXIST Existing Equipment
 - NEW Installation of New Equipment
 - REM Equipment Removed
3. Enter storage tank content such as condensate, pipeline liquids, glycol (DEG or TEG), lube oil, etc.
4. Enter storage tank volume in gallons.
5. Enter storage tank diameter in feet.
6. Enter storage tank throughput in gallons per year.
7. Enter storage tank orientation using the following:
 - VERT Vertical Tank
 - HORZ Horizontal Tank
8. Enter storage tank average liquid height in feet.

**EMERGENCY GENERATOR EMISSION SUMMARY SHEET FOR HAZARDOUS/TOXIC
POLLUTANTS**

Emergency Generator Location: 2203 5 th Street Road, Huntington, WV		Registration Number (Agency Use) <u>G60-C</u>										
Source ID No.	Potential Emissions (lbs/hr)						Potential Emissions (tons/yr)					
	Benzene	Ethyl- benzene	Toluene	Xylenes	n- Hexane	Formalde- hyde	Benzene	Ethyl- benzene	Toluene	Xylenes	n- Hexane	Formalde- hyde
EG-1	1.1E-2	0	4.03E-3	2.77E-3	0	1.13E-5	2.74E-3	0	1.01E-3	6.92E-4	0	2.83E-4
Total	1.1E-2	0	4.03E-3	2.77E-3	0	1.13E-5	2.74E-3	0	1.01E-3	6.92E-4	0	2.83E-4

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

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

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

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

ATTACHMENT H

Air Pollution Control Device Data Sheet

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

Attachment I - Emission Calculations

Source Designation:	Engine	Generator
Year Manufactured ¹ :	2011	2011
Date Installed ¹ :	2011	2011
Manufacturer ¹ :	Caterpillar	Caterpillar
Model No. ¹ :	3512C	3512C
Stroke Cycle ² :	4-Stroke	--
Type of Burn:	Lean	--
Fuel Used ³ :	Diesel	--
Fuel Sulfur Content (%) ⁴ :	0.0015	--
Fuel Heating Value (Btu [HHV]/gal) ⁵ :	137,030	--
Displacement (L per cylinder) ² :	4.32	--
Rated Horsepower (bhp) ¹ :	2,206	--
Generating Capacity (kW) ² :	--	1,500
Maximum Fuel Consumption at 100% Load (gal/hr) ² :	104.6	--
Heat Input (MMBtu/hr) ⁶ :	14.33	--

Operational Details:

Potential Annual Hours of Operation (hr/yr):	500
Potential Fuel Consumption (Mgal/yr):	52.30

Criteria and Greenhouse Gas Potential Emissions:

Pollutant	Emission Factors	Units	Notes	Potential Emissions (lb/hr) ¹³	Potential Emissions (lb/day)	Potential Emissions (tpy)
CO	1.20	g/kW-hr	7	4.35	104.45	1.09
NO _x	4.08	g/hp-hr	2	19.84	476.22	4.96
HC	0.11	g/hp-hr	2, 8	0.53	12.84	0.13
SO ₂	1.21E-05	lb/hp-hr	9	0.03	0.64	0.01
PM	0.17	g/kW-hr	7, 10	0.62	14.80	0.15
PM ₁₀	0.17	g/kW-hr	7, 10	0.62	14.80	0.15
PM _{2.5}	0.17	g/kW-hr	7, 10	0.62	14.80	0.15
CO ₂	73.96	kg/MMBtu	11	2,337.08	56,090	584.27
CH ₄	0.0030	kg/MMBtu	11	0.09	2.28	0.02
N ₂ O	0.0006	kg/MMBtu	11	0.02	0.46	0.00
CO ₂ e	74.21	kg/MMBtu	12	2,345.10	56,282	586.28

Attachment I - Emission Calculations

Hazardous Air Pollutant (HAP) Potential Emissions:

Pollutant	Emission Factor (lb/MMBtu) ¹⁴	Potential Emissions (lb/hr) ¹³	Potential Emissions (ton/year)
Benzene	7.64E-04	1.10E-02	2.74E-03
Toluene	2.81E-04	4.03E-03	1.01E-03
Xylenes	1.93E-04	2.77E-03	6.92E-04
Formaldehyde	7.89E-05	1.13E-03	2.83E-04
Acetaldehyde	2.52E-05	3.61E-04	9.03E-05
Acrolein	7.88E-06	1.13E-04	2.82E-05
Polycyclic Aromatic Hydrocarbons (PAH)	2.12E-04	3.04E-03	7.60E-04
Total HAP		2.24E-02	5.60E-03

¹ Values from unit nameplate information. Picture of nameplate received via email from Julianne Barnum (DirecTV) to Brent Fitzgerald (Trinity) on November 11, 2015.

² Values come from the unit's spec sheet (CAT 3512C 1500 kW - EPA Tier 2 / Stationary Emergency Spec Sheet). Found at http://www.cat.com/en_US/articles/configurations/ep-genset-ratings/3512c.html

³ Email from Julianne Barnum (DirecTV) to Brent Fitzgerald (Trinity) on November 11, 2015.

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

⁵ Value is assumed to be the product of 19,300 Btu/lb and 7.1 lb/gal, per AP-42 Section 3.4, Table 3.4-1 "Gaseous Emission Factors for Large Stationary Diesel Engines and All Dual-Fuel Stationary Engines," Supplement B, October 1996.

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

⁷ Values are from California Air Resources Board engine family certification levels.

⁸ AP-42 Table 3.4-1 indicates that as much as three-fourths of total organic compounds are methane emissions for dual fuel engines. To conservatively over-estimate emissions, all hydrocarbon (HC) emissions are assumed to be VOC.

⁹ SO₂ emission factor from AP-42 Section 3.4, Table 3.4-1 "Gaseous Emission Factors for Large Stationary Diesel Engines and All Dual-Fuel Stationary Engines," Supplement B, October 1996.

¹⁰ All particulates are assumed to be <1 micron in size, consistent with AP-42 Section 3.3, Table 3.3-1 "Emission Factors for Uncontrolled Gasoline and Diesel Industrial Engines," Supplement B, October 1996.

¹¹ GHG emission factors from Tables C-1 and C-2, 40 CFR 98, Subpart C.

¹² CO_{2e} is the sum of GHG constituents multiplied by their respective global warming potential (i.e. 1 for CO₂, 25 for CH₄, and 298 for N₂O), per Table A-1, 40 CFR 98, Subpart A.

¹³ Emission Rate (lb/hr) = Rated Capacity (MMBtu/hr or bhp) x Emission Factor (lb/MMBtu or lb/bhp-hr).

¹⁴ Emission factors from AP-42 Section 3.4, Table 3.4-3 "Speciated Organic Compound Emission Factors for Large Uncontrolled Stationary Diesel Engines" and Table 3.4-4 "PAH Emission Factors for Large Uncontrolled Stationary Diesel Engines," Supplement B, October 1996.

Class I Legal Advertisement

**AIR QUALITY PERMIT NOTICE
Notice of Application**

Notice is given that DirecTV Customer Services, Inc. has applied to the West Virginia Department of Environmental Protection, Division of Air Quality, for a Class II General Permit G60-C for an Emergency Generator located on 2203 5th Street Road in Huntington in Cabell County, West Virginia.

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

- Carbon Monoxide = 1 tpy
- Oxides of Nitrogen = 5 tpy
- Volatile Organic Compounds = 0.1 tpy
- Sulfur Dioxide = 0.01 tpy
- Particulate Matter = 0.2 tpy
- Particulate Matter less than 10 micrometers = 0.2 tpy
- Particulate Matter less than 2.5 micrometers = 0.2 tpy
- Hazardous Air Pollutants = 0.006 tpy

Startup of operation is planned to begin on or about the 15 day of January, 2016. Written comments will be received by the West Virginia Department of Environmental Protection, Division of Air Quality, 601 57th Street, SE, Charleston, WV 25304, for at least 30 calendar days from the date of publication of this notice.

Any questions regarding this permit application should be directed to the DAQ at (304) 926-0499, extension 1250, during normal business hours.

Dated this the 15 day of January, 2016.

By: DirecTV Customer Services, Inc.
Hilary Hatch Skinner
Vice President
PO Box 5095, Room 4W200M
San Ramon, CA 94538

ATTACHMENT K

Electronic Submittal

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

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

ATTACHMENT L

Application Fee

The required fee of \$1500 is submitted with this application.