

RECIPROCATING INTERNAL COMBUSTION ENGINES
AIR GENERAL PERMIT REGISTRATION FORM

RECEIVED

Part II. Notification to Permitting Office

MAR 17 2010

(Detach and submit to appropriate permitting office; keep copy onsite)

Instructions: To give notice to the Department of an eligible facility's intent to use this air general permit, the owner or operator of the facility must detach and complete this part of the Air General Permit Registration Form and submit it to the appropriate Department of Environmental Protection or local air pollution control program office which has permitting authority. Please type or print clearly all information, and enclose the appropriate air general permit registration processing fee pursuant to Rule 62-4.050, F.A.C. (\$100 as of the effective date of this form)

Bureau of Air Monitoring

Registration Type

1030539-001

Check one:

INITIAL REGISTRATION - Notification of intent to:

- Construct and operate a proposed new facility.
- Operate an existing facility not currently using an air general permit (e.g., a facility proposing to go from an air operation permit to an air general permit).

RE-REGISTRATION (for facilities currently using an air general permit) - Notification of intent to:

- Continue operating the facility after expiration of the current term of air general permit use.
- Continue operating the facility after a change of ownership.
- Make an equipment change requiring re-registration pursuant to Rule 62-210.310(2)(e), F.A.C., or any other change not considered an administrative correction under Rule 62-210.310(2)(d), F.A.C.

Surrender of Existing Air Operation Permit(s) - For Initial Registrations Only

If the facility currently holds one or more air operation permits, such permit(s) must be surrendered by the owner or operator upon the effective date of this air general permit. In such case, check the first box, and indicate the operation permits being surrendered. If no air operation permits are held by the facility, check the second box.

- All existing air operation permits for this facility are hereby surrendered upon the effective date of this air general permit; specifically permit number(s): _____
- No air operation permits currently exist for this facility.

General Facility Information

Facility Owner/Company Name (Name of corporation, agency, or individual owner who or which owns, leases, operates, controls, or supervises the facility.)

Verizon Florida, Inc.

Site Name (Name, if any, of the facility site; e.g., Plant A, Metropolis Plant, etc. If more than one facility is owned, a registration form must be completed for each.)

Feathersound CO

Facility Location (Provide the physical location of the facility, not necessarily the mailing address.)

Street Address: 13000 34th St N

City: Clearwater

County: Pinellas

ZIP

33762-4239

Facility Start-Up Date (Estimated start-up date of proposed new facility.)(N/A for existing facility)

NA

Owner/Authorized Representative

Name and Position Title (Person who, by signing this form below, certifies that the facility is eligible to use this air general permit.)

Print Name and Title: Zach Feingold, Environmental Manager

Owner/Authorized Representative Mailing Address

Organization/Firm: Verizon Florida Inc.

Street Address: P.O. Box 725

City: Chino State: CA County: San Bernardino Zip Code: 91708

Owner/Authorized Representative Telephone Numbers

Telephone: (909) 620-5498

Fax: (909) 629-1080

Cell phone (optional):

Facility Contact (If different from Owner/Authorized Representative)

Name and Position Title (Plant manager or person to be contacted regarding day-to-day operations at the facility.)

Print Name and Title: Dean P. Fogo

Supervisor Verizon Facilities

Facility Contact Mailing Address

Organization/Firm: Verizon Florida Inc.

Street Address: P.O. Box 110

City: Tampa County: Hillsborough Zip Code: 33601

Facility Contact Telephone Numbers

Telephone: 727-443-9528

Fax: 727-447-3632


Cell phone (optional):

Owner/Authorized Representative Statement

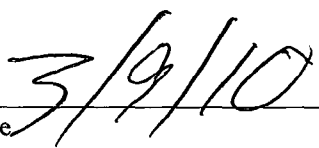
This statement must be signed and dated by the person named above as owner or authorized representative

I, the undersigned, am the owner or authorized representative of the owner or operator of the facility addressed in this Air General Permit Registration Form. I hereby certify, based on information and belief formed after reasonable inquiry, that the facility addressed in this registration form is eligible for use of this air general permit and that the statements made in this registration form are true, accurate and complete. Further, I agree to operate and maintain the facility described in this registration form so as to comply with all applicable standards for control of air pollutant emissions found in the statutes of the State of Florida and rules of the Department of Environmental Protection and revisions thereof.

I will promptly notify the Department of any changes to the information contained in this registration form.



Signature



Date

Fuel Consumption

If this is an **initial registration** for reciprocating internal combustion engine operations, provide an estimate of the total amount of fuel expected to be consumed over a 12-month period. Note: the general permit limits fuel consumption by all reciprocating internal combustion engines at the facility to 20,000 gallons per year of gasoline, 250,000 gallons per year of diesel fuel, 1.15 million gallons per year of propane, 40 million standard cubic feet per year of natural gas, or an equivalent prorated amount if multiple fuels are used

Assuming 588 hours per year of operation, the facility consumes approximately 33,600 gallons of diesel fuel. The fuel consumption rate is based upon engine data provided by the manufacturer. The actual consumption will be limited to the facility load (which is less than 1/3 of the engine capacity). In addition, actual fuel use would be further reduced if testing and emergency operation were less than 500 hours.

If this is a **re-registration** for reciprocating internal combustion engine operations, provide the highest 12-month total fuel consumption amount, in appropriate units, for the last five years. Indicate the 12-month period over which this fuel consumption occurred.

Description of Facility

Below, or as an attachment to this form, provide a description of the reciprocating internal combustion engine operations at the facility in sufficient detail to demonstrate the facility's eligibility for use of this air general permit and to provide a basis for tracking any future equipment or process changes at the facility. Describe all air pollutant-emitting processes and equipment at the facility, and identify any air pollution control measures or equipment used.

The facility operates one diesel-fired reciprocating internal combustion engine, as identified in the attached Table. There are no other fuel burning sources at the facility. Also provided are the fuel consumption rates and the NOx emission rates based on data provided by the manufacturer. The engine was manufactured in 2001, so it does not need to comply with 40 CFR 60 Subpart IIII, the New Source Standards for Compression Ignition Internal Combustion Engines.

The engine is currently operating as an emergency generator as per Chapter 62-210.200(116), which limits operation to no more than 500 hours per year "only when the primary power source has been rendered inoperable by an emergency situation." In addition, Chapter 62-210.300(3)(a)20.b exempts the engine from requiring a permit if one or more generators at the facility consume no more than 32,000 gallons per year of diesel fuel, which is the case.

The facility wishes to enroll the engine in a utility-sponsored demand response (DR) program. The DR Program is currently designed to operate no more than 88 hours per year. It is expected that the DR Program will be called no more than 40 to 50 hours per year. Using the 88 hours/year maximum, the estimated additional fuel use would be approximately 5,100 gallons per year for DR and a total of approximately 33,600 gallons per year based upon 588 hours of operation, including 500 hours of emergency use. Since the DR program, in general, will be called before the commercial power source is unavailable, the facility is applying to operate the engine under the General Permit.

The total worst case NOx emissions from the entire facility is estimated to be approximately 3.5 tons per year, assuming 588 hours per year at the rated output of the engine. This estimate is well below the allowed 100 ton/year facility specified in Rule 62-210.310(2), F.A.C.,(2)(a)1. The facility will not emit 10 tons/year of hazardous pollutants, or 25 tons/year of any combination of hazardous air pollutants.

Verizon - FEATHERSOUND CO

Engine Make/Model	Output (kW)	fuel (gals/hr)	NOx (lbs/hr)	Worst Case NOx (tpy) ¹
Detroit Diesel 16V2000	800	57	12	3.5

1. Assumes 588 hours per year.



Gen Set
12V2000 - R1237K35

Emission Data
06N04M1421

600ROZD4

Summary

Rated Engine Speed, r/min	1800
Certification Code (CWC)	5243
US Nonroad Certification	Yes
EURO Nonroad (Stage 1) Certification	No
TA LUFT Compliance	No
IMO MARPOL 73/78 Annex VI Compliance	
Comments	US Nonroad (Tier 1) certified

Test Conditions
Inquiries should be sent to: George.Polson@DetroitDiesel.com

Standby Power Limit: 910 bhp @ 1800 r/min

D2-Cycle Emissions

	Engine Load (g/hr)					Total (g/bhp-hr)
	10%	25%	50%	75%	100%	
NO _x	950	1,660	2,730	4,225	5,060	6.5
CO	137	107	98.0	79.3	103	0.242
HC	87.0	77.0	80.0	86.0	89.0	0.186
SO ₂ - with .3% sulfur content fuel	66.1	268	364	527	710	—
SO ₂ - with .05% sulfur content fuel	6.6	20.8	36.4	52.7	71.0	—
Particulates	25.1	23.9	24.8	26.6	29.0	0.056

Smoke Summary, Bosch No.

Smoke 0.2

Feather Co

Inquiries for certification information should be sent to: Joanna.Vardas@DetroitDiesel.com
Inquiries for emission data should be sent to: Andrew.Packer@DetroitDiesel.com

UNCONTROLLED COPY
Date Last Updated: 9/21/2001

Printed on:
3/24/2004

The user is advised to check the PowerEvolution Network for latest information.
©1999-2002 Detroit Diesel Corporation - A DaimlerChrysler Powersystems Company. All Rights Reserved.

Page 1 of 1



March 09, 2010

Mr. Dickson Dibble
FDEP
3800 Commonwealth Blvd., MS-77
Tallahassee, FL 32399

Subject: Registration of Verizon Florida Inc. Site

Mr. Dibble:

Please see the enclosed registration for an air general permit for Verizon Florida Inc. Feathersound CO (13000 34th Street N, Clearwater, FL) and a \$100 check for registration processing fee.

Should you have any questions please call me at (909) 620-5498.

Sincerely,



Zach Feingold
Environmental Manager

Enclosures