

**RECIPROCATING INTERNAL COMBUSTION ENGINES  
AIR GENERAL PERMIT REGISTRATION FORM**

**RECEIVED**

SEP 20 2010

BUREAU OF  
AIR REGULATION

**Part II. Notification to Permitting Office**

(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)

**05/0020-003**

**Registration Type**

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.)

GLADES ELECTRIC COOPERATIVE, 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.)

SOUTHERN GARDENS GENERATING STATION - Facility No. 0510020

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

Street Address: 755 C.R. 833

City: Clewiston

County: Hendry

Zip Code: 33440-0000

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

N/A

**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: L. T. Todd, General Manager / CEO

Owner/Authorized Representative Mailing Address

Organization/Firm: Glades Electric Cooperative, Inc.  
Street Address: PO Box 519 1190 US Highway 27 East  
City: Moore Haven County: Glades Zip Code: 33471-0000

Owner/Authorized Representative Telephone Numbers

Telephone: (863) 946-6217 Fax: (863) 946-0824  
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: John Eisinger, Engineering Services Manager

Facility Contact Mailing Address

Organization/Firm: Glades Electric Cooperative, Inc.  
Street Address: 1190 US Highway 27 East  
City: Moore Haven County: Glades Zip Code: 33471-0000

Facility Contact Telephone Numbers


Telephone: (863) 946-6244 Fax: (863) 946-0824  
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

September 13, 2010  
\_\_\_\_\_  
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

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.

Fuel consumption for this site from February 2009 to January 2010 was 37,425 gallons. The average per each RICE generator set was 6,238 gallons over the time period.

**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 consists of six (6) Caterpillar G3516, Reciprocating Internal Combustion Engine (RICE) generator sets rated 2,280 horsepower (HP) each. These RICE generator sets are fired with diesel fuel and have a nominal generation capacity of 1,600 kilowatts (kW) per set. The units, on average, are used approximately 4-5 hours per month for peak shaving purposes. The units were put in service in 1998 and are factory stock. No additional pollution control measures or equipment has been installed. The units are on a 3 month schedule where an outside contractor comes in and performs a detailed maintenance service on the units including filter (fuel/oil) and oil changes when needed. The diesel fuel is treated and filtered regularly to prevent water, sediment and fungus/algae contamination.