



# Florida Department of Environmental Protection

Bob Martinez Center  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

Charlie Crist  
Governor

Jeff Kottkamp  
Lt. Governor

Michael W. Sole  
Secretary

February 14, 2008

Mr. Ron Parker  
Tampa Bay Water  
Lake Bridge Water Treatment Plant  
5825 County Line Road  
Wesley Chapel, Florida 33544

Dear Mr. Parker:

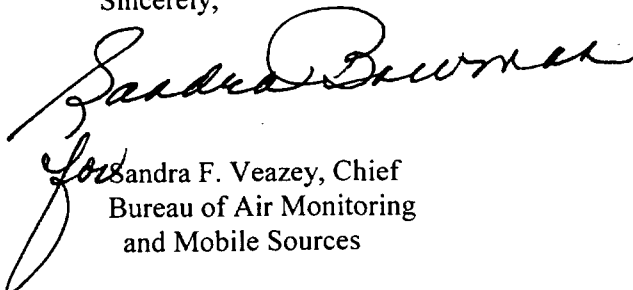
This is to acknowledge that your notification of intent to use the authority of Rule 62-210.310 to operate your facility was received on January 3, 2008. We have assigned ARMS Number 0571358-001 to this facility.

As you know, pursuant to Florida Statutes section 403.814, authority to operate under general permits commences thirty days after receipt of the registration form unless you have been notified by this office that your facility has not shown entitlement to operate pursuant to the rule provisions.

For your information, authority to operate pursuant to Rule 62-210.310 expires after 5 years. Therefore, a new registration form must be received no later than 5 years after the date your notice was received as indicated above. If your general permit rule conditions require testing, such testing must be completed within the time frame specified in the rule.

If you have any additional questions, please contact Dickson Dibble at 850/921-9586.

Sincerely,



Sandra F. Veazey, Chief  
Bureau of Air Monitoring  
and Mobile Sources

SFV/pg

cc: Mr. Lynn Robinson, Hillsborough County

## RECIPROCATING INTERNAL COMBUSTION ENGINES AIR GENERAL PERMIT REGISTRATION FORM

### 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)

0571358-001

#### 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.)

Tampa Bay Water

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.)

Lake Bridge Water Treatment Plant (LB WTP)

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

Street Address: 5825 County Line Road

City: Wesley Chapel

County: ~~Pinellas~~

*HILLSBOROUGH D.E.W.*

Zip Code: 33544

*D.E.W.*

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: Ken Herd, Director of Operations and Facilities

**Owner/Authorized Representative Mailing Address**

Organization/Firm: Tampa Bay Water

Street Address: 2575 Enterprise Road

City: Clearwater

County: Pinellas

Zip Code: 33763-1102

**Owner/Authorized Representative Telephone Numbers**

Telephone: 813-929-4550

Fax: 813-929-4519

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: Ron Parker, Senior Manager, Operations

**Facility Contact Mailing Address**

Organization/Firm: Tampa Bay Water

Street Address: 2575 Enterprise Road

City: Clearwater

County: Pinellas

Zip Code: 33763-1102

**Facility Contact Telephone Numbers**

Telephone: 813-929-4550

Fax: 813-929-4519

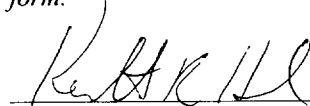
Cell phone (optional): 813-326-1778

**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

12/20/07

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

7,350 gallons of diesel maximum estimate (see below for details); actual will be much less if emergency operations are not required

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.

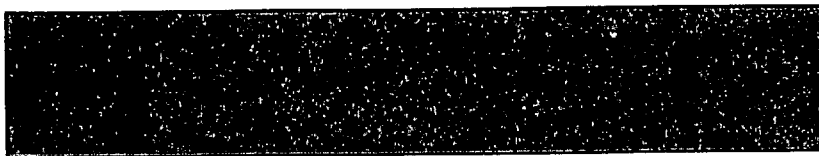
The facility operates one DMT WA504373-0696 (motor is a Cummins NT-855-G2) 275-kW diesel fired reciprocating internal combustion engine. There are no other fuel burning sources at the facility. The engine's fuel consumption rate is 12.5 gal/hr. Using EPA's AP-42 (Fifth Edition, October, 1996) oxides of nitrogen ("NOx") emission factor of 4.41 lb/mmBtu and a heat rate of 1.7 mmBtu/hr (based on 135,000 Btu/gal of fuel), the maximum hourly NOx is estimated to be 7.5 lb/hr.

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 for that facility has been rendered inoperable by an emergency situation." In addition Chapter 62-210.300(3)(a)20.b exempts the engines from a permit if one or more generators at the facility consume no more than 32,000 gallons per year of diesel fuel. For this facility, the 500 hour limit is more restrictive.

The facility wishes to enroll the engine in a utility-sponsored Demand Response ("DR") Program. The DR Program is currently designed to operate for no more than 88 hours per year with a daily limit of 1 hour if the DR Program is called and a daily maximum of no more than 8 hours. It is expected that the DR Program will be called about 40 to 50 hours per year. Using the 88 hour limit, the estimated additional fuel use is 1,100 gallons for the engine or a total of 7,350 gallons per year for 588 hours of operation, assuming 500 hours of emergency operation. Since the DR Program will be called before the primary power source is rendered inoperable, the facility is applying to operate the engine under the General Permit.

The total worst-case NOx emissions from the entire facility are estimated to be 2.2 tpy (see Table) assuming 588 hours of operation of both engines. This is well below the 100 tpy facility limit specified in Ruel 62-210.310(2), F.A.C., (2)(a)1. The facility will also not emit 10 tpy or more of any hazardous air pollutant or 25 tpy or more of any combination of hazardous air pollutants. Finally, using the 250,000 gallons fuel limit (assumes the engine operates 8,760 hours or 109,500 gallons of fuel) in the General Permit and the worst-case emissions from the 275-kW engine, the restricted potential to emit for NOx is 33 tpy; less than the 100 tpy potential limit.

The facility will closely monitor any future equipment or process changes at the facility. Any changes to the facility will be assessed to determine if the emergency engines can still operate under the General Permit. The facility will also monitor its hourly usage.



3755  
2223

## BLUE SKY ENVIRONMENTAL LLC

January 2, 2008

Mr. Dickson Dibble  
Florida DEP  
3800 Commonwealth Blvd.  
MS-77  
Tallahassee, FL 32315-3070

**Subject: RICE Air General Permit Registration  
Tampa Bay Water – Two Sites**

Dear Mr. Dribble:

Attached please find two Air General Permit Registrations for the reciprocating internal combustion engines ("RICE") located at Tampa Bay Water facilities at the following locations and a check for \$200.

Site Name	Address
Lake Bridge Water Treatment Plant (LB WTP)	5825 County Line Road Wesley Chapel, FL 33453
Cypress Bridge Wellfield Well #7 (CY-07)	CR 581 Wesley Chapel, FL 33543

The engines are currently operating as a emergency generators as per Chapter 62-210.200(116) which limits operation to no more than 500 hours per year "only when the primary power source for that facility has been rendered inoperable by an emergency situation." The facility wishes to enroll the engines in a utility-sponsored Demand Response ("DR") Program. Since the DR Program will be called before the primary power source is rendered inoperable, the facility is applying to operate the engines under this General Permit.

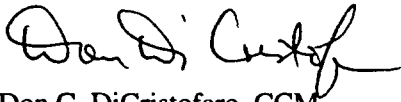
As per Rule 62-210.310(2)(c), unless the DEP denies use of the General Permit, the facility may use the Air General Permit 30 days after giving notice to the DEP with the proper registration form and fee. I estimate the date to be February 1, 2008.

Mr. Dickson Dibble  
FL DEP  
January 2, 2008

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If you have any questions or require additional information, please do not hesitate to contact me at 617-834-8408.

Sincerely,  
Blue Sky Environmental LLC

A handwritten signature in black ink, appearing to read "Don C. DiCristofaro". The signature is fluid and cursive, with the first name "Don" and last name "DiCristofaro" clearly distinguishable.

Don C. DiCristofaro, CCM  
President  
Attachments

Cc: A. Jenkins

**Dibble, Dickson**

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**From:** Dibble, Dickson  
**Sent:** Wednesday, January 16, 2008 7:31 AM  
**To:** 'Don DiCristofaro'  
**Cc:** Aaron Jenkins; Bowman, Sandy; Grant, Patricia; 'Lee, Diana'; 'campbell@epchc.org'  
**Subject:** RE: Tampa Bay Water – Lake Bridge Water Treatment Plant - Air General Permit Registration

Tracking:	Recipient	Delivery	Read
	'Don DiCristofaro'		
	Aaron Jenkins		
	Bowman, Sandy	Delivered: 1/16/2008 7:31 AM	Read: 1/16/2008 7:57 AM
	Grant, Patricia	Delivered: 1/16/2008 7:31 AM	
	'Lee, Diana'		
	'campbell@epchc.org'		

Don,

Thank you for bringing this matter to our attention.

I have located the RICE registration forms in questions and am preparing to process them as we speak. The thirty (30) day review period clock began on the January 3<sup>rd</sup>, 2008 date of receipt. If all information on the forms is correct the review process should be complete on February 3<sup>rd</sup>, 2008 and entitlement should therefore be effective on February 4<sup>th</sup>, 2008.

As I previously mentioned, I will process both applications and by copy of this correspondence will notify Hillsborough Co. EPC that I will go ahead and process the one that normally should have been submitted to their office. The application fee of \$100.00 for this registration has been applied accordingly.

Have a great day, but a SAFE one!

*Dick*

**Dickson E. Dibble**

FL Dept of Environmental Protection  
 Div. of Air Resource Management  
 Bureau of Air Monitoring & Mobile Sources  
 Air General Permit Program  
 (850) 921-9586  
 SunCom 291-9586  
 ICG-#345  
[Dickson.Dibble@dep.state.fl.us](mailto:Dickson.Dibble@dep.state.fl.us)



**Please note:** Florida has a very broad public records law. Most written communications to or from state officials regarding state business are public records available to the public and media upon request. Your e-mail

1/16/2008

communications may therefore be subject to public disclosure

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**From:** Don DiCristofaro [mailto:ddicristofaro@enernoc.com]

**Sent:** Tuesday, January 15, 2008 9:17 AM

**To:** Dibble, Dickson

**Cc:** Aaron Jenkins

**Subject:** Tampa Bay Water -- Lake Bridge Water Treatment Plant - Air General Permit Registration

Mr. Dibble,

On January 2, I submitted two RICE Air General Permit registrations for Tampa Bay Water facilities. I have just learned that one of the registrations is not in Pasco County. The zip code for the Lake Bridge Water Treatment Plant (5825 County Line Road in Wesley Chapel) should have been 33544. I understand that County Line Road is the dividing line for Pasco and Hillsborough County. With the correct zip code, it is our understanding that the facility is in Hillsborough County.

I understand that general permit registrations for facilities in Hillsborough County should be processed by the Hillsborough EPC. How do you suggest I handle this error? My cell phone number is 617-834-8408. Sorry for any inconvenience.

Thanks,  
Don DiCristofaro

1/16/2008