

**RECIPROCATING INTERNAL COMBUSTION ENGINES  
AIR GENERAL PERMIT EXAMPLE REGISTRATION WORKSHEET**

Facility Identification Number - If known (seven digit number)

0990374

**0990374-006 RECEIVED**

Registration Type

Check one:

**INITIAL REGISTRATION** - Notification of intent to:

- Construct and operate a proposed new facility.
- Operate an existing permitted 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). 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. (See "Surrender of Existing Air Operation Permit(s)" below.)
- Operates an existing facility not currently permitted or using 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.
- Any other change not considered an administrative correction under Rule 62-210.310(2)(d), F.A.C.

MAY 18 2012

**DIVISION OF AIR  
RESOURCE MANAGEMENT**

**Surrender of Existing Air Operation Permit(s) - For Initial Registrations Only, if Applicable**

All existing air operation permits for this facility are hereby surrendered upon the effective date of this air general permit; specifically permit number(s):

**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.)

PALM BEACH COUNTY WATER UTILITIES

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

WATER TREATMENT PLANT #3

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

Street Address: 13206 JOG ROAD

City: DELRAY BEACH

County: PALM BEACH

Zip Code: 33484 - 3801

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

N/A

**Facility Contact**

Name and Position Title (Plant manager or person to be contacted regarding day-to-day operations at the facility.)  
Print Name and Title: DENNIS FORD, PLANT SUPERINTENDENT

Facility Contact Telephone Numbers

Telephone: 561-818-7596 Fax: 561-638-6097  
Cell phone: 561-638-5085  
E-mail: DFORD@PBCWATER.COM

Facility Contact Mailing Address

Organization/Firm: PALM BEACH COUNTY WATER UTILITIES  
Mailing Address: 13205 JOG ROAD  
City: DELRAY BEACH County: PALM BEACH Zip Code: 33484 - 3801

**Correspondence Contact/Representative (to serve as additional Department contact)**

Name and Position Title  
Print Name and Title: KAREN LARSON, REGULATORY COMPLIANCE SPECIALIST

Correspondence Contact/Representative Telephone Numbers

Telephone: 561-493-6025 Fax: 561-493-6029  
Cell phone: 561-373-8976  
E-mail: KMLARSON@PBCWATER.COM

Correspondence Contact/Representative Mailing Address

Organization/Firm: PALM BEACH COUNTY WATER UTILITIES  
Mailing Address: 8100 FOREST HILL BLVD.  
City: WEST PALM BEACH County: PALM BEACH Zip Code: 33416

**Government Facility Code (check only one)**

- Facility not owned or operated by a federal, state, or local government.
- Facility owned or operated by the federal government.
- Facility owned or operated by the state.
- Facility owned or operated by the county.
- Facility owned or operated by the municipality.
- Facility owned or operated by a water management district.

*HASAAM (561) 493-6021*

**COMPRESSION IGNITION INTERNAL COMBUSTION ENGINES SUBJECT TO 40 CFR PART 60 SUBPART III:**

Stationary compression ignition internal combustion engines manufactured after April 1, 2006 and are not fire pump engines, or engines that are modified or reconstructed after July 11, 2005, may be subject to 40 CFR Part 60 Subpart III, Standards of Performance for Stationary Compression Ignition Internal Combustion Engines.

MANUFACTURER	SERIAL NUMBER/MODEL NUMBER	EMERGENCY ENGINE*	MANUFACTURER CERTIFICATION	DISPLACEMENT (liters per cylinder)
CATEPILLAR	46N00940	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	4.3157 PER 16 CYLINDERS
CATEPILLAR	4GN00941	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	4.3157 PER 16 "
CATEPILLAR	2E001716	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	<input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	4.3115 PER 16 "
		<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO	
		<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO	
		<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO	
		<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO	
		<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO	

\*Emergency engine as defined at 40 C.F.R. Part 60, Subpart III

**SPARK IGNITION INTERNAL COMBUSTION ENGINES SUBJECT TO 40 CFR PART 60 SUBPART JJJJ:**

Stationary spark ignition internal combustion engines, greater than or equal to 500 horsepower and manufactured on or after July 1, 2007, less than 500 horsepower and manufactured after July 1, 2008, or engines that begin modification or reconstruction after June 12, 2006 may be subject to 40 CFR Part 60 Subpart JJJJ, Standards of Performance for Stationary Spark Ignition Internal Combustion Engines.

MANUFACTURER	SERIAL NUMBER/MODEL NUMBER	EMERGENCY ENGINE**	MANUFACTURER CERTIFICATION	RATED CAPACITY (horsepower)
		<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO	
		<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO	
		<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO	
		<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO	
		<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO	
		<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO	
		<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO	
		<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO	

\*\*Emergency engine as defined at 40 C.F.R. Part 60, Subpart JJJJ

**COMPRESSION IGNITION INTERNAL COMBUSTION ENGINES SUBJECT TO 40 CFR PART 63  
SUBPART ZZZZ:**

Existing stationary compression ignition internal combustion engines may be subject to 40 CFR Part 63 Subpart ZZZZ, National Emission Standards for Hazardous Air Pollutants for Reciprocating Internal Combustion Engines.

MANUFACTURER	SERIAL NUMBER/MODEL NUMBER	EMERGENCY ENGINE***	LIMITED USE†	DISPLACEMENT (liters/cylinder)	RATED CAPACITY (horsepower)
		<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO		
		<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO		
		<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO		
		<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO		
		<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO		
		<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO		
		<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO		
		<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO		

\*\*\* Emergency engine as defined at 40 C.F.R. Part 63, Subpart ZZZZ

† Limited use stationary engine as defined at 40 C.F.R. Part 63, Subpart ZZZZ

**SPARK IGNITION INTERNAL COMBUSTION ENGINES SUBJECT TO 40 CFR PART 63 SUBPART ZZZZ:**

Existing stationary spark ignition internal combustion engines may be subject to 40 CFR Part 63 Subpart ZZZZ, National Emission Standards for Hazardous Air Pollutants for Reciprocating Internal Combustion Engines.

MANUFACTURER	SERIAL NUMBER/MODEL NUMBER	EMERGENCY ENGINE***	LIMITED USE†	ENGINE TYPE†† (2SLB, 4SLB, or 4SRB)	RATED CAPACITY (horsepower)
		<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO		
		<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO		
		<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO		
		<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO		
		<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO		
		<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO		
		<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO		
		<input type="checkbox"/> YES <input type="checkbox"/> NO	<input type="checkbox"/> YES <input type="checkbox"/> NO		

\*\*\* Emergency engine as defined at 40 C.F.R. Part 63, Subpart ZZZZ

† Limited use stationary engine as defined at 40 C.F.R. Part 63, Subpart ZZZZ

†† Two stroke lean burn (2SLB) or four stroke lean burn (4SLB) or four stroke rich burn (4SRB)

### **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. \*

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.

*See attached spreadsheet 2007 6,380 gallons*

**\*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

### **Helpful Definitions**

**“Department” or “DEP”** - The State of Florida Department of Environmental Protection.

**“Emissions Unit”** - Any part or activity of a facility that emits or has the potential to emit any air pollutant.

**“Facility”** - All of the emissions units which are located on one or more contiguous or adjacent properties, and which are under the control of the same person (or persons under common control).

**“Owner” or “Operator”** - Any person or entity who or which owns, leases, operates, controls or supervises an emissions unit or facility.

## Diesel Fuel Tanks

Gallons on hand

Date	Tank 1	Tank 2	Tank 3	
1/1/2007	6,807.73	7,829.59	8,452.15	15259.88
2/1/2007	6,764.65	7,722.17	8,427.73	15192.38
3/1/2007	6,480.66	7,470.70	8,325.20	14805.86
4/1/2007	6,149.68	7,211.91	8,208.01	14357.69
5/1/2007	5,979.29	7,189.94	8,088.38	14067.67
6/1/2007	5,779.52	7,141.11	7,966.31	13745.83
7/1/2007	7,246.44	9,045.41	9,248.05	16494.49
8/1/2007	7,628.34	8,999.02	9,243.16	16871.5
9/1/2007	7,289.52	8,813.48	8,969.73	16259.25
10/1/2007	6,794.02	8,786.62	8,764.65	15558.67
11/1/2007	6,500.25	8,784.18	8,620.61	15120.86
12/1/2007	6,186.89	8,620.61	8,459.47	14646.36
Deliveries				5767
Total used				6380.52
1/1/2008	5,885.28	8,410.64	8,330.08	14215.36
2/1/2008	5,720.77	8,156.74	8,178.71	13899.48
3/1/2008	5,434.83	7,658.69	8,029.79	13464.62
4/1/2008	5,135.18	7,465.82	7,897.95	13033.13
5/1/2008	5,007.87	7,246.09	7,749.02	12756.89
6/1/2008	5,011.79	7,214.36	7,766.11	12777.9
7/1/2008	4,488.87	6,677.25	7,473.14	11962.01
8/1/2008	4,349.82	6,396.48	7,341.31	11691.13
9/1/2008	4,175.51	6,191.41	7,172.85	11348.36
10/1/2008	6,126.18	8,693.85	7,973.63	14099.81
11/1/2008	5,824.57	8,352.05	7,800.29	13624.86
12/1/2008	5,677.68	8,139.65	7,648.93	13326.61
Deliveries				3500
Total used				4388.75
1/1/2009	5,521.00	7,939.45	7,524.41	13045.41
2/1/2009	5,221.35	7,756.35	7,377.93	12599.28
3/1/2009	4,731.73	7,436.52	7,253.42	11985.15
4/1/2009	4,888.41	7,287.60	7,163.09	12051.5
5/1/2009	4,768.94	7,087.40	7,006.84	11775.78
6/1/2009	4,375.28	6,857.91	6,767.58	11142.86
7/1/2009	3,815.15	6,616.21	6,599.12	10414.27
8/1/2009	3,613.43	6,428.22	6,442.87	10056.3
9/1/2009	5,597.38	7,998.05	8,000.49	13597.87
10/1/2009	4,943.24	7,236.33	7,834.47	12777.71
11/1/2009	4,800.27	6,958.01	7,683.11	12483.38
12/1/2009	4,320.44	6,408.69	7,475.59	11796.03

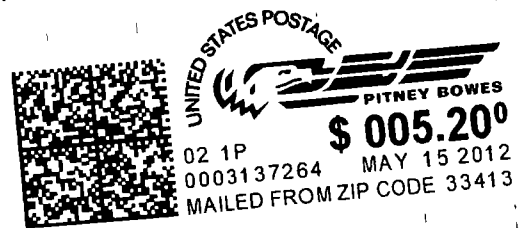
Deliveries				7502
Total used				8751.38

1/1/2010	3,474.37	5,415.04	7,326.66	10801.03
2/1/2010	5,699.22	7,976.07	8,430.18	14129.4
3/1/2010	5,548.42	7,756.35	8,271.48	13819.9
4/1/2010	5,264.44	7,460.94	8,188.48	13452.92
5/1/2010	4,849.24	7,099.61	8,073.73	12922.97
6/1/2010	4,637.72	6,926.27	7,949.22	12586.94
7/1/2010	5,475.96	7,675.78	7,687.99	13163.95
8/1/2010	5,166.51	7,465.82	7,504.88	12671.39
9/1/2010	4,870.78	7,214.36	7,314.45	12185.23
10/1/2010	4,586.80	6,994.63	7,153.32	11740.12
11/1/2010	4,410.53	6,745.61	6,992.19	11402.72
12/1/2010	4,167.68	6,472.17	6,831.05	10998.73
Deliveries				3000
Total used				2802.3

1/1/2011	4,020.79	6,154.79	6,652.83	10673.62
2/1/2011	3,742.69	5,634.77	6,525.88	10268.57
3/1/2011	3,550.75	5,354.00	6,420.90	9971.65
4/1/2011	2,957.33	4,763.18	6,252.44	9209.77
5/1/2011	8,020.04	6,733.40	8,637.70	16657.74
6/1/2011	8,021.53	6,157.23	8,447.27	16468.8
7/1/2011	8,021.53	5,637.21	8,305.66	16327.19
8/1/2011	8,021.53	5,153.81	8,176.27	16197.8
9/1/2011	7,825.04	8,889.16	8,012.70	15837.74
10/1/2011	7,665.48	7,424.32	7,861.17	15526.65
11/1/2011	7,140.89	6,899.41	7,670.90	14811.79
12/1/2011	6,702.37	9,993.00	7,023.93	13726.3
Deliveries				7500
Total used				4447.32



91 7199 9991 7030 8518 4077



UNITED STATES POSTAGE

02 1P  
0003137264

PITNEY BOWES  
\$ 005.20<sup>0</sup>

MAY 15 2012

MAILED FROM ZIP CODE 33413

Department of Environmental Protection  
Receipts  
Post Office Box 3070  
Tallahassee, FL 32315-3070



## Dibble, Dickson

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**From:** Dibble, Dickson  
**Sent:** Monday, June 11, 2012 3:22 PM  
**To:** 'hadjimiry@pbcwater.com'  
**Cc:** Arif, Syed  
**Subject:** ARMS ID# 0990374, PALM BEACH CO BOARD OF CO COMMISSIONERS dba PALM BCH CO WATER TREATMENT-PLANT #3, 13026 JOG RD, DELRAY BEACH, FL 33446-3801  
**Attachments:** 0990374-006-AG; PBCBOCCdbaPBCWaterUtilitiesWaterTreatmentPlant#3.pdf

Good afternoon Hassam!

I hope I have spelled your name correctly. Forgive me if I have not.

Attached is the form and "spreadsheet" that I was discussing with you during our earlier telephone conversation. I am have trouble understanding her calculations and am not comfortable with the numbers not adding up correctly and as the result I don't have the confidence that they are correct. See page six (6) of the registration to see what I am looking for.

If you have any questions, comments or concerns please e-mail or call.

Thank you and have a great day!

Regards,

*Dick*

**Dickson E. Dibble, ES III**

Air General Permit Program  
FDEP Division of Air Resource Management  
Office of Permitting & Compliance  
Minerals & Metals Section  
Tel. (850) 717-9071  
FAX (850) 717-9001  
GIC - #59571  
[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 communications may therefore be subject to public disclosure