



HEATING UNITS AND GENERAL PURPOSE INTERNAL COMBUSTION ENGINES



COMPLIANCE INSPECTION CHECKLIST

INSPECTION TYPE: ANNUAL (INS1, INS2) COMPLAINT/DISCOVERY (CI)
 RE-INSPECTION (FUI) ARMS COMPLAINT NO:

AIRS ID#: 0990374 **DATE:** 10/06/2011 **ARRIVE:** 10:05 **DEPART:** 11:30

FACILITY NAME: PALM BCH CO WTR UTIL/SYSTEM 3

FACILITY LOCATION: 13026 jog road
 DELRAY BEACH 33484

OWNER/AUTHORIZED REPRESENTATIVE: BRIAN SHIELDS **PHONE:** (561)493-6039
Email: bshields@pbcwater.com **Mobile:**
CONTACT NAME: BEVIN BEAUDET **PHONE:** (561)493-6000
Email: www.pbcwater.com **Mobile:**
ENTITLEMENT PERIOD: 9/15/2007 / 9/15/2012
 (effective date) (end date)

PART I: INSPECTION COMPLIANCE STATUS (check only one box)

IN COMPLIANCE MINOR Non-COMPLIANCE SIGNIFICANT Non-COMPLIANCE

PART II: CONTROL TECHNOLOGY/RECORDKEEPING REQUIREMENTS – Rule 62-210.300, F.A.C.

(check appropriate box(es))

1. Does the facility operate any emissions units other than the heating units and general purpose internal combustion engines and emissions units which are exempt from permitting pursuant to the criteria of paragraph 62-210.300(3)(a), or (b), F.A.C., or have been exempted from permitting under Rule 62-4.040, F.A.C.? (Rule 62-210.300(3)(c)3.a., F.A.C.)----- Yes No
2. Are these heating units or general purpose internal combustion engines subject to the Federal Acid Rain Program as defined at Rule 62-210.200, F.A.C.? (Rule 62-210.300(3)(c)3.b., F.A.C.)----- Yes No
3. Were visible stack emissions tests conducted during this site visit according to EPA Method 9 (40 CFR 60, Appendix A)?----- Yes No
4. Pursuant to subparagraph 62-296.320(4)(b)1., F.A.C., are visible emissions from any heating unit(s) or general purpose internal combustion engine(s) equal to or greater than 20% percent opacity as designated as Number 1 on the Ringelmann Chart? (Rule 62-210.300(3)(c)3.c., F.A.C.)----- Yes No
5. What type of fuel is used by all heating units and general purpose internal combustion engines at this facility? (check only one box)
 - a) diesel fuel b) gasoline c) natural gas/propane d) multiple fuels
6. Is the total fuel consumption by all heating units and general purpose internal combustion engines within the facility limited to the following thresholds: (Chapter 62-210.300(3)(c)3.d., F.A.C.) (check only one box)
 - a) diesel fuel – 250,000 gallons/year (if diesel is the sole source of energy at this facility)?----- Yes No
 - b) gasoline – 22,000 gallons/year (if gasoline is the sole source of energy at this facility)?----- Yes No
 - c) natural gas/propane – 35m standard cubic feet (if gasoline is sole source of energy at this facility)?--- Yes No
 - d) multiple fuels – (equivalent prorated amount)?----- Yes No

PART II: CONTROL TECHNOLOGY/RECORDKEEPING REQUIREMENTS – Rule 62-210.300, F.A.C. (continued)

(check appropriate box(es))

- 7. Does the owner/operator of the facility maintain records to document the fuel consumption, by type, for each emissions unit? (Rule 62-210.300(3)(c)3.e., F.A.C.)----- Yes No
- 8. Does the owner/operator retain, and make available for Department inspection, these records for a period of at least five years? (Rule 62-210.300(3)(c)3.e., F.A.C.)----- Yes No
- 9. Does the owner or operator voluntarily encourage pollution prevention through such measures as: (Rule 62-210.300(4)(b)2.b., F.A.C.)
 - a) employing energy conservation measures to reduce the demand for heat from any heating units?----- Yes No
 - b) performing regular maintenance of heating units to ensure efficient heat recovery?----- Yes No
 - c) the use of, or considering the use of economizers to recycle waste heat back into the combustion air stream?----- Yes No
 - d) improved operating procedures to reduce the load on any internal combustion engines?----- Yes No
 - e) the use of, or considering the use of alternative fuels?----- Yes No

PART III: GENERAL CONDITIONS/MAINTENANCE REQUIREMENTS – Rule 62-210.300(4)(e)6., 8., & 12., F.A.C.

(check appropriate box(es))

- 1. Does the owner or operator make every reasonable effort to conduct the specific activity authorized by the general permit in a manner that minimizes adverse effects on adjacent property or on public use of the adjacent property, where applicable, and on the environment, including fish, wildlife, natural resources, water quality, or air quality?----- Yes No
- 2. Does the owner or operator maintain the permitted facility, emission unit, or activity in good condition? Yes No
- 3. Has the owner or operator allowed the circumvention of any applicable air pollution control devices?--- Yes No
- 4. Has the owner or operator allowed the emission of air pollutants as the result of the malfunction of, or inoperable condition of applicable air pollution control devices?----- Yes No

PART IV: SPECIAL CONDITIONS AND PROCEDURES – Rule 62-210.300(4)(d)4., F.A.C.

(check appropriate box(es))

A. New or Modified Process Equipment

1. Since the last inspection has there been
- a) installation of any new process equipment?----- Yes No
 - b) alterations to existing process equipment without replacement?----- Yes No
 - c) replacement of existing equipment substantially different than that noted on the most recent notification form?----- Yes No
 - d) If you answered **YES** to any of the above, did the owner submit a new and complete notification form and appropriate fee (Rule 62-4.050, F.A.C.) to the appropriate DEP or local program office?----- Yes No

Patricia Tampas

10/06/2011

Inspector's Name (Please Print)

Date of Inspection

Inspector's Signature

Approximate Date of Next Inspection

COMMENTS: A walk through inspection of the facility was conducted and fuel receipts were viewed. This facility doesn't track how much each unit uses. It appears that the only fuel logs are the delivery receipts. These Caterpillar Generators kick in during power outages and are run each month approximately 4 hours to keep in good working order. Unit #1 : 2000 KW, model # 3516, SN 4GN00941, has run for 604.7 hours since 2003, and uses 135 gallons per hour;
Unit # 2 : 2000 KW Caterpillar, model # 3516, SN 4GN00940 has run 675.9 hrs since 2003 , and uses 135 gallon/hr . Finally, Unit # 3: 1500 KW Caterpillar, model # SR4, SN 2ED01716 has 1291.1 hrs since it was purchased, and uses 110 gallons per hour.
The inspector requested that the facility keep better fuel logs.