



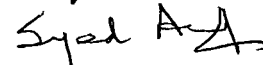
Memorandum

Florida Department of Environmental Protection

TO: Michael G. Cooke

THRU: Trina Vielhauer 

THRU: Al Linero  1/20

FROM: Syed Arif 

DATE: January 20, 2005

SUBJECT: Miami-Dade Water & Sewer Department
Central District Wastewater Treatment Plant
Diesel and Digester Gas Generators

Attached for approval and signature is the final construction permit for MDWASD's Central District Wastewater Treatment Plant. The permit is for installing two new 2.865 megawatt (MW) standby diesel generators, modify the three existing 2.5 MW standby diesel generators; and decrease operations for the existing standby diesel generators and the four existing 1.2 MW digester gas generators at the Central District Wastewater Treatment Plant in Virginia Key, Miami.

This construction permit was issued simultaneously with the Title V revision. The applicant waived the processing time requirements of the air construction permit to accommodate the processing time frames of the Title V air operation permit. The Title V permit is being handled by the Southeast District Office.

The applicant, in response to the public notice submitted comments, which were satisfactorily responded to in the final determination.

I recommend your approval and signature.

Attachments

/sa

FINAL DETERMINATION

Miami-Dade Water & Sewer Department Central District Wastewater Treatment Plant DEP File Number 0250476-004-AC

An Intent to Issue an Air Construction Permit Modification to Miami-Dade Water & Sewer Department (WASD) Central District Wastewater Treatment Plant, located at Virginia Key, Miami, Miami-Dade County, Florida, was distributed on December 23, 2004. The Public Notice of Intent to Issue Air Construction Permit was published in the Miami Daily Business Review on December 27, 2004. Copies of the draft air construction permit were available for public inspection at the Department offices in West Palm Beach and Tallahassee.

The applicant submitted a comment which was minor in nature and the Department will make the necessary change in Specific Condition B.8.b by adding an "Or" at the end of that condition to comply with the applicant's request.

The final action of the Department is to issue the permit with the change noted above.

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
NOTICE OF FINAL PERMIT

In the Matter of an
Application for Permit by:

Mr. John W. Chorlog, Jr., P.E., Deputy Director - Operations
Miami-Dade Water & Sewer Department
3071 SW 38th Avenue
Miami, Florida 33146-1520

DEP File No. 0250476-004-AC
Central District WWTP
Diesel and Digester Gas Generators
Miami-Dade County

Enclosed is Final Permit Number 0250476-004-AC. This permit authorizes Miami-Dade Water & Sewer Department to install two new 2.865 megawatt (MW) standby diesel generators, modify the three existing 2.5 MW standby diesel generators; and decrease operations for the existing standby diesel generators and the four existing 1.2 MW digester gas generators at the Central District Wastewater Treatment Plant. This permit is issued pursuant to Chapter 403, Florida Statutes.

Any party to this order has the right to seek judicial review of it under section 120.68 of the Florida Statutes, by filing a notice of appeal under rule 9.110 of the Florida Rules of Appellate Procedure with the clerk of the Department of Environmental Protection in the Office of General Counsel, Mail Station #35, 3900 Commonwealth Boulevard, Tallahassee, Florida, 32399-3000, and by filing a copy of the notice of appeal accompanied by the applicable filing fees with the appropriate District Court of Appeal. The notice must be filed within thirty days after this order is filed with the clerk of the Department.

Executed in Tallahassee, Florida.



Trina L. Vielhauer, Chief
Bureau of Air Regulation

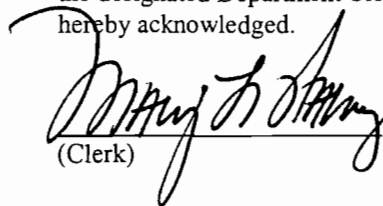
CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this Notice of Final Permit (including the Final permit) was sent by certified mail (*) and copies were mailed by U.S. Mail before the close of business on 1/28/05 to the person(s) listed:

Mr. John W. Chorlog, Jr., P.E., Miami-Dade WASD*
Mr. Richard O'Rourke, P.E., WASD (via e-mail)
Mr. Bruce Offord, DEP-SED
Mr. Patrick Wong, DERM

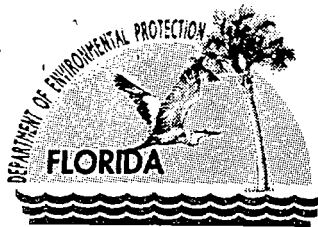
Clerk Stamp

FILING AND ACKNOWLEDGMENT FILED, on this date, pursuant to §120.52, Florida Statutes, with the designated Department Clerk, receipt of which is hereby acknowledged.



(Clerk)

1/28/05
(Date)



Jeb Bush
Governor

Department of Environmental Protection

Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Colleen M. Castille
Secretary

PERMITTEE:

Miami-Dade Water and Sewer Department

3071 SW 38 Avenue
Miami, Florida 33146

Authorized Representative:

John W. Chorlog, Jr., P.E.
Deputy Director, Operations

Permit No.	0250476-004-AC
SIC No.	4952
Project:	Diesel & Gas Generators
Expires:	December 31, 2006

PROJECT AND LOCATION:

Permit for installing two new 2.865 megawatt standby diesel generators, modify the three existing 2.5 megawatt standby diesel generators; and decrease operations for the existing standby diesel electric generators and the four existing 1.2 megawatt digester gas generators at the Central District Wastewater Treatment Plant, Virginia Key, Miami, Dade County. UTM coordinates are Zone 17; 585.2 km E; 2848.1 km N.

STATEMENT OF BASIS:

This construction permit is issued under the provisions of Chapter 403 of the Florida Statutes (F.S.), and the Florida Administrative Code (F.A.C.) Chapters 62-4, 62-204, 62-210, 62-212, 62-296, and 62-297. The above named permittee is authorized to modify the facility in accordance with the conditions of this permit and as described in the application, approved drawings, plans, and other documents on file with the Department of Environmental Protection (Department).

Attached appendices are made a part of this permit:

Appendix GC Construction Permit General Conditions

Michael G. Cooke, Director
Division of Air Resource
Management

AIR CONSTRUCTION PERMIT 0250476-004-AC
SECTION I. FACILITY INFORMATION

SUBSECTION A. FACILITY DESCRIPTION

The Miami-Dade Water and Sewer Department (WASD) Central District Wastewater Treatment Plant presently consists of three nominal 2.5 Megawatt (MW) diesel engine-driven generators, designated as Units 13 and 14 and 15; four nominal 1.2 MW digester gas engine-driven generators, designated as Units 7, 9, 10 and 11; and one wastewater treatment plant, designated as Unit 8. This permit is for installation of two generators (Units 19 and 20), to decrease the hours of operation for the four generators (Units 7, 9, 10, and 11) and to limit the potential-to-emit of units 13, 14, and 15.

SUBSECTION B. REGULATORY CLASSIFICATION

The Central District Wastewater Treatment is classified as a Major Source of Air Pollution or Title V Source because it emits or has the potential to emit at least 100 tons per year of nitrogen oxides (NO_x) and carbon monoxide (CO). It is a Minor Facility with respect to preconstruction review because it emits or has the potential to emit less than 250 tons per year of criteria pollutants.

SUBSECTION C. PERMIT SCHEDULE:

- 04-06-2004: Date of Receipt of Application
- 08-02-2004: Application deemed complete
- 12-23-2004: Intent issued
- 12-27-2004: Notice of Intent published in Miami Daily Business Review

SUBSECTION D. RELEVANT DOCUMENTS:

The documents listed form the basis of the permit. They are specifically related to this permitting action. These documents are on file with the Department.

- Application received 4-6-2004
- Department's letter dated 5-5-2004
- Company's letter dated 7-28-2004
- Technical Evaluation and Preliminary Determination dated 11-04-2004

AIR CONSTRUCTION PERMIT 0250476-004-AC

SECTION II. EMISSION UNIT(S) GENERAL REQUIREMENTS

ADMINISTRATIVE

1. Regulating Agencies: All documents related to applications for permits to construct, operate or modify an emissions unit should be submitted to the Bureau of Air Regulation (BAR), Florida Department of Environmental Protection at Mail Station #5505, 2600 Blair Stone Road, Tallahassee, Florida 32399-2400, phone number 850/488-0114. All documents related to reports, tests, minor modifications and notifications shall be submitted to the Department's Southeast District office at PO Box 15425, West Palm Beach, Florida, 33416-5425, and phone number 561/681-6600. Copies of all documents should be sent also to the Air Quality Management Division, Miami-Dade County Department of Environmental Resources Management, Suite 900 33 SW Second Avenue, Miami, Florida 33130-1540.
2. General Conditions: The owner and operator is subject to and shall operate under the attached General Permit Conditions G.1 through G.15 listed in Appendix GC of this permit. General Permit Conditions are binding and enforceable pursuant to Chapter 403 of the Florida Statutes. [**Rule 62-4.160, F.A.C.**]
3. Terminology: The terms used in this permit have specific meanings as defined in the corresponding chapters of the Florida Administrative Code.
4. Applicable Regulations, Forms and Application Procedures: Unless otherwise indicated in this permit, the construction and operation of the subject emissions unit shall be in accordance with the capacities and specifications stated in the application. The facility is subject to all applicable provisions of Chapter 403, F.S. and Florida Administrative Code Chapters 62-4, 62-110, 62-204, 62-212, 62-213, 62-296, 62-297 and the Code of Federal Regulations Title 40, Part 60, adopted by reference in the Florida Administrative Code (F.A.C.) regulations. The permittee shall use the applicable forms listed in Rule 62-210.900, F.A.C. and follow the application procedures in Chapter 62-4, F.A.C. Issuance of this permit does not relieve the facility owner or operator from compliance with any applicable federal, state, or local permitting or regulations. [**Rules 62-204.800, 62-210.300 and 62-210.900, F.A.C.**]
5. New or Additional Conditions: Pursuant to Rule 62-4.080, F.A.C., for good cause shown and after notice and an administrative hearing, if requested, the Department may require the permittee to conform to new or additional conditions. The Department shall allow the permittee a reasonable time to conform to the new or additional conditions, and on application of the permittee, the Department may grant additional time. [**Rule 62-4.080, F.A.C.**]
6. Expiration: This air construction permit shall expire on **December 31, 2006**. The permittee, for good cause, may request that this construction permit be extended. Such a request shall be submitted to the Department's Bureau of Air Regulation prior to 60 days before the expiration of the permit. However, the permittee shall promptly notify the permitting authority office of any delays in completion of the project which would affect the startup day by more than 90 days. [**Rules 62-210.300(1), 62-4.070(4), 62-4.080, and 62-4.210, F.A.C.**]
7. Modifications: No emissions unit or facility subject to this permit shall be constructed or modified without obtaining an air construction permit from the Department. Such permit must be obtained prior to the beginning of construction or modification. [**Rules 62-210.300(1) and 62-212.300(1)(a), F.A.C.**]

AIR CONSTRUCTION PERMIT 0250476-004-AC

SECTION II. EMISSION UNIT(S) GENERAL REQUIREMENTS

8. Title V Operation Permit Required: This permit authorizes construction and/or installation of the permitted emissions unit and initial operation to determine compliance with Department rules. A Title V operation permit is required for regular operation of the permitted emissions unit. The owner or operator shall apply for and receive a Title V operation permit prior to expiration of this permit. To apply for a Title V operation permit, the applicant shall submit the appropriate application form, compliance test results, and such additional information as the Department may by law require. The application shall be submitted to the Department's Southeast District office. [Rules 62-4.030, 62-4.050, 62-4.220, and Chapter 62-213, F.A.C.]

EMISSION LIMITING STANDARDS

9. General Visible Emissions Standard: Except for emissions units that are subject to a particulate matter or opacity limit set forth or established by rule and reflected by conditions in this permit, no person shall cause, let, permit, suffer, or allow to be discharged into the atmosphere the emissions of air pollutants from any activity, the density of which is equal to or greater than that designated as Number 1 on the Ringelmann Chart (20% opacity). The test method for visible emissions shall be EPA Method 9, incorporated and adopted by reference in Chapter 62-297, F.A.C. Test procedures shall meet all applicable requirements of Chapter 62-297, F.A.C.: [Rule 62-296.320(4)(b)1, F.A.C.]

10. General Pollutant Emission Limiting Standards: [Rule 62-296.320(2), F.A.C.]

No person shall cause, suffer, allow or permit the discharge of air pollutants which cause or contribute to an objectionable odor.

[Note: An objectionable odor is defined in Rule 62-210.200(198), F.A.C., as any odor present in the outdoor atmosphere which by itself or in combination with other odors, is or may be harmful or injurious to human health or welfare, which unreasonably interferes with the comfortable use and enjoyment of life or property, or which creates a nuisance.]

OPERATIONAL REQUIREMENTS

11. Plant Operation - Problems: If temporarily unable to comply with any of the conditions of the permit due to breakdown of equipment or destruction by hazard of fire, wind or by other cause, the permittee shall immediately notify the Department's district office and, if applicable, appropriate local program. The notification shall include pertinent information as to the cause of the problem, and what steps are being taken to correct the problem and to prevent its recurrence, and where applicable, the owner's intent toward reconstruction of destroyed facilities. Such notification does not release the permittee from any liability for failure to comply with Department rules. [Rule 62-4.130, F.A.C.]
12. Circumvention: No person shall circumvent any air pollution control device or allow the emission of air pollutants without the applicable air pollution control device operating properly. [Rule 62-210.650, F.A.C.]
13. Excess Emissions: [Rule 62-210.700(1), F.A.C.]
- (a) Excess emissions resulting from start-up, shutdown or malfunction of any emissions units shall be permitted providing (1) best operational practices to minimize emissions are adhered to and (2) the duration of excess emissions shall be minimized, but in no case exceed two

AIR CONSTRUCTION PERMIT 0250476-004-AC

SECTION II. EMISSION UNIT(S) GENERAL REQUIREMENTS

hours in any 24 hour period unless specifically authorized by the Department for longer duration.

- (b) Excess emissions which are caused entirely or in part by poor maintenance, poor operation, or any other equipment or process failure which may reasonably be prevented during start-up, shutdown, or malfunction shall be prohibited.

COMPLIANCE MONITORING AND TESTING REQUIREMENTS

14. Required Number of Test Runs: For mass emission limitations, a compliance test shall consist of three complete and separate determinations of the total air pollutant emission rate through the test section of the stack or duct and three complete and separate determinations of any applicable process variables corresponding to the three distinct time periods during which the stack emission rate was measured; provided, however, that three complete and separate determinations shall not be required if the process variables are not subject to variation during a compliance test, or if three determinations are not necessary in order to calculate the unit's emission rate. The three required test runs shall be completed within one consecutive five-day period. In the event that sample is lost or one of the three runs must be discontinued because of circumstances beyond the control of the owner or operator, and a valid third run cannot be obtained within the five-day period allowed for the test, the Secretary or his or her designee may accept the results of two complete runs as proof of compliance, provided that the arithmetic mean of the two complete runs is at least 20 percent below the allowable emission limiting standards. **[Rule 62-297.310(1), F.A.C.]**
15. Operating Rate During Testing: Unless otherwise stated in the applicable emission limiting standard rule, testing of emission shall be conducted with the emission unit operation at permitted capacity. Permitted capacity is defined as 90 to 100 percent of the maximum operation rate allowed by the permit. If it is impractical to test at permitted capacity, an emission unit may be tested at less than the minimum permitted capacity; in this case, subsequent emission unit operation is limited to 110 percent of the test load until a new test is conducted. Once the unit is so limited, operation at higher capacities is allowed for no more than 15 consecutive days for the purpose of additional compliance testing to regain the authority to operate at the permitted capacity. **[Rule 62-297.310(2), F.A.C.]**
16. Calculation of Emission Rate: The indicated emission rate or concentration shall be the arithmetic average of the emission rate or concentration determined by each of the three separate test runs unless otherwise specified in a particular test method or applicable rule.
17. Test Procedures shall meet all applicable requirements of Rule 62-297.310(4), F.A.C. **[Rule 62-297.310(4), F.A.C.]**
18. Special Compliance Tests: When the Department, after investigation, has good reason (such as complaints, increased visible emissions or questionable maintenance of control equipment) to believe that any applicable emission standard contained in a Department rule or in a permit issued pursuant to those rules is being violated, it shall require the owner or operator of the facility to conduct compliance tests which identify the nature and quantity of pollutant emissions from the emissions units and to provide a report on the results of said tests to the Department. **[Rule 62-297.310(7)(b), F.A.C.]**

AIR CONSTRUCTION PERMIT 0250476-004-AC

SECTION II. EMISSION UNIT(S) GENERAL REQUIREMENTS

19. Determination of Process Variables: [Rule 62-297.310(5), F.A.C.]
- (a) Required Equipment. The owner or operator of an emission unit for which compliance tests are required shall install, operate, and maintain equipment or instruments necessary to determine process variables, such as process weight input or heat input, when such data are needed in conjunction with emission data to determine the compliance of the emission unit with applicable emission limiting standards.
- (b) Accuracy of Equipment: Equipment or instruments used to directly or indirectly determine process variables, including devices such as belt scales, weight hoppers, flow meters, and tank scales, shall be calibrated and adjusted to indicate the true value of the parameter being measured with sufficient accuracy to allow the applicable process variable to be determined within 10% of its true value.
20. Required Stack Sampling Facilities: Sampling facilities include sampling ports, work platforms, access to work platforms, electrical power, and sampling equipment support. All stack sampling facilities must meet any Occupational Safety and Health Administration (OSHA) Safety and Health Standards described in 29 CFR Part 1910, Subparts D and E. Sampling facilities shall also conform to the requirements of Rule 62-297.310(6), F.A.C. See Appendix SS-1, Stack Sampling Facilities. [Rule 62-297.310(6), F.A.C.]

REPORTING AND RECORD KEEPING REQUIREMENTS

21. Test Notification: The owner or operator shall notify the Department's Southeast District office, Air Program and, if applicable, appropriate local program, at least 15 days prior to the date on which each formal compliance test is to begin. Notification shall include the date, time, and place of each such test, and the test contact person who will be responsible for coordinating and having such test conducted for the owner or operator. [Rule 62-297.310(7)(a)9, F.A.C.]
22. Duration of Record Keeping: Upon request, the permittee shall furnish all records and plans required under Department rules. During enforcement actions, the retention period for all records will be extended automatically unless otherwise stipulated by the Department. The permittee shall hold at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation) required by the permit, copies of all reports required by this permit, and records of all data used to complete the application for this permit. These materials shall be retained at least five years from the date of the sample, measurement, report, or application unless otherwise specified by Department rule. [Rules 62-4.160(14)(a)&(b) and 62-213.440(1)(b)2.b., F.A.C.]
23. Test Reports: The owner or operator of an emission unit for which a compliance test is required shall file a report with the Department on the results of each such test. The required test report shall be filed with the Department as soon as practical but no later than 45 days after the last sampling run of each test is completed. The test report shall provide sufficient detail on the emission unit tested and the test procedures used to allow the Department to determine if the test was properly conducted and the test results properly computed. As a minimum, the test report, other than for an EPA or DEP Method 9

AIR CONSTRUCTION PERMIT 0250476-004-AC

SECTION II. EMISSION UNIT(S) GENERAL REQUIREMENTS

test, shall provide the applicable information listed in Rule 62-297.310(8)(c), F.A.C. [Rule 62-297.310(8), F.A.C.]

24. Excess Emissions Report: If excess emissions occur, the owner or operator shall notify the Department within one working day of: the nature, extent, and duration of the excess emissions; the cause of the excess emissions; and the actions taken to correct the problem. In addition, the Department may request a written summary report of the incident. Pursuant to the New Source Performance Standards, excess emissions shall also be reported in accordance with 40 CFR 60.7, Subpart A. [Rule 62-4.130, F.A.C.]
25. Excess Emissions Report - Malfunctions: In case of excess emissions resulting from malfunctions, each owner or operator shall notify the Department or the appropriate local program in accordance with Rule 62-4.130, F.A.C. A full written report on the malfunctions shall be submitted in a quarterly report if requested by the Department. [Rule 62-210.700(6), F.A.C.]
26. Annual Operating Report for Air Pollutant Emitting Facility: The Annual Operating Report for Air Pollutant Emitting Facility shall be completed each year and shall be submitted to the Department's Southeast District office and, if applicable, the appropriate local program by March 1 of the following year. [Rule 62-210.370(3), F.A.C.]

AIR CONSTRUCTION PERMIT 0250476-004-AC
SECTION III. EMISSION UNIT(S) SPECIFIC CONDITIONS

SUBSECTION A. FACILITY-WIDE CONDITION

This permit addresses the following emission units.

EMISSIONS UNIT NO.	SYSTEM	EMISSIONS UNITS DESCRIPTION
007	Power	1.2 MW Digester Gas Electric Generator
009	Power	1.2 MW Digester Gas Electric Generator
010	Power	1.2 MW Digester Gas Electric Generator
011	Power	1.2 MW Digester Gas Electric Generator
013	Power	2.5 MW Diesel Electric Generator
014	Power	2.5 MW Diesel Electric Generator
015	Power	2.5 MW Diesel Electric Generator
019	Power	2.865 MW Diesel Electric Generator
020	Power	2.865 MW Diesel Electric Generator

EMISSION LIMITATION

- A.1 Emission of NO_x and other criteria pollutants shall be less than 250 tons per year for the facility. [Rule 62-212.400(6), F.A.C.]

SUBSECTION B. SPECIFIC CONDITIONS (UNITS 013, 014, 015, 019 AND 020):

The following Specific Conditions apply to the following emission unit:

EMISSION UNIT NO.	SYSTEM	EMISSION UNIT DESCRIPTION
013	Power	2.5 MW Diesel Electric Generator
014	Power	2.5 MW Diesel Electric Generator
015	Power	2.5 MW Diesel Electric Generator
019	Power	2.865 MW Diesel Electric Generator
020	Power	2.865 MW Diesel Electric Generator

EMISSION LIMITATIONS

- B.1 Emission of NO_x from each of the model 20-645E4 engines (emission units 013, 014, 015) shall not exceed 2.15 lb/MMBtu. Emission of NO_x from each of the model 20-645F4B engines (emission units 019, 020) shall not exceed 2.75 lb/MMBtu. Emission of NO_x is limited to 137.6 tons per year combined. [Rule 62-212.400(6), F.A.C.]
- B.2 Visible emissions shall be less than 20% opacity. [Rule 62-296.320, F.A.C.]
- B.3 In order to minimize excess emissions during startup/shutdown/malfunction this emission unit shall adhere to best operational practices. [Rule 62-210.700, F.A.C.]

AIR CONSTRUCTION PERMIT 0250476-004-AC
SECTION III. EMISSION UNIT(S) SPECIFIC CONDITIONS

OPERATIONAL LIMITATIONS

- B.4 The emission units are allowed to operate continuously (8760 hours/year). [Rule 62-210.200, F.A.C., Definitions: Potential-to-Emit].
- B.5 Only No. 2 fuel oil can be fired in the diesel generators. The maximum sulfur content of the No. 2 fuel oil shall not exceed 0.05 percent, by weight. [Rule 62-210.200, F.A.C., Definitions: Potential-to-Emit].
- B.6 The maximum fuel consumption of No. 2 fuel oil consumption allowed to be burned in Units No. 013, 014, 015, 019, and 020 combined shall not exceed 725,000 gallons of diesel fuel in any consecutive 12-month period. *{Permitting note: At 100% engine load, each model 20-645E4 engine has a fuel consumption of approximately 196.4 gallons per hour, and each model 20-645F4B engine has a fuel consumption of approximately 197.1 gallons per hour, based on a heat input of 27.1 MMBtu/hr and 27.2 MMBtu/hr, respectively, and a 36-degree API diesel fuel higher heating value of 19,640 Btu/lb. and density of 7.034 lb./gal.}* [Rule 62-210.200, F.A.C., Definitions: Potential-to-Emit]

TEST METHODS AND PROCEDURES

- B.7 Compliance with the allowable emission limiting standards for NOx in B.1 shall be demonstrated each federal fiscal year (Oct.1-Sept. 30), if applicable, by using EPA Method 7 or 7E, as described in 40 CFR 60, Appendix A, adopted by reference in Rule 62-204.800, F.A.C., and adopted in Rule 62-297.401, F.A.C. [Rules 62-4.070(3), 62-204.800, 62-297.310, and 62-297.401, F.A.C.]
- B.8 The fuel oil shall be monitored for the sulfur content using ASTM D4294 Method (or equivalent), or by maintaining records of fuel oil sulfur content certifications, as provided by the fuel supplier. For each load of fuel oil delivered to the facility, the permittee shall either:
- a. Obtain a copy of the fuel analysis from the supplier. Methods for determining the fuel sulfur content of the distillate oil shall be ASTM Method D 129-91, D 1552-95, D 2622-94, D 4294-98 or comparable Department approved method. Records shall specify the test method used. Or
 - b. Collect a fuel sample to be sent for laboratory analysis based on one of the following method: ASTM Method D 129-91, D 1552-95, D 2622-94, D 4294-98 or comparable Department approved method. Or
 - c. Records from the fuel supplier that indicates the fuel delivered is Low Sulfur No. 2 Diesel fuel oil by ASTM Method 975-98b, or current version. Specification for Diesel Fuel Oils provides for this classification of diesel fuel oils as having no more than 0.05 percent sulfur content by weight. [Rule 62-297.440, F.A.C.]
- B.9 The permittee shall maintain daily records of fuel oil consumption for the emission unit. [Rule 62-210.200, F.A.C.]
- B.10 Compliance with the visible emission limitation shall be determined each federal fiscal year (Oct.1-Sept.30) using EPA Method 9 contained in 40 CFR 60, Appendix A and adopted by reference in Rule 62-297, F.A.C. The minimum requirements for stationary point sources emission test procedures and reporting shall be in accordance with Rule 62-297, F.A.C. and 40 CFR 60 Appendix A. [Rule 62-297, F.A.C.]

AIR CONSTRUCTION PERMIT 0250476-004-AC
SECTION III. EMISSION UNIT(S) SPECIFIC CONDITIONS

RECORDKEEPING AND REPORTING REQUIREMENTS

- B.11 All measurements, records, and other data required to be maintained by this facility shall be retained for at least five (5) years following the data on which such measurements, records, or data are recorded. These data shall be made available to the Department upon request. [Rule 62-4.070(3), F.A.C.]
- B.12 Two copies of the results of the emission tests for the pollutant listed in Condition B.1 for Units No. 13, 14, 15, 19 and 20 shall be submitted within forty-five days of the last sampling run to the Southeast District office in West Palm Beach. All reports shall be in a format consistent with and shall include the information in accordance with Rule 62-297.310 (8), F.A.C. [Rule 62-297.310(8), F.A.C.]

AIR CONSTRUCTION PERMIT 0250476-004-AC
SECTION III. EMISSION UNIT(S) SPECIFIC CONDITIONS

SUBSECTION C. SPECIFIC CONDITIONS (UNITS 007, 009, 010 AND 011)

The following Specific Conditions apply to the following emission units:

EMISSIONS UNIT NO.	SYSTEM	EMISSIONS UNITS DESCRIPTION
007	Power	1.2 MW Digester Gas Electric Generator
009	Power	1.2 MW Digester Gas Electric Generator
010	Power	1.2 MW Digester Gas Electric Generator
011	Power	1.2 MW Digester Gas Electric Generator

EMISSION LIMITATIONS

- C.1 The maximum allowable emission rates for NO_x for Units No. 007, 009, 010, and 011 shall not exceed 7.6 pounds per hour (lb/hr) each and 99.9 tons per year (TPY) combined. [Rule 62-210.200, F.A.C., Definitions: Potential-to-Emit.]
- C.2 Visible emissions shall be less than 20% opacity. [Rule 62-296.320, F.A.C.]
- C.3 In order to minimize excess emissions during startup/shutdown/malfunction this emission unit shall adhere to best operational practices. [Rule 62-210.700, F.A.C.]

OPERATIONAL LIMITATIONS

- C.4 The combined hours of operation for existing Units No. 007, 009, 010, and 011 shall not exceed 26,280 hours in any consecutive 12-month period. [Rule 62-210.200, F.A.C., Definitions: Potential-to-Emit]
- C.5 Only digester gas can be fired in the diesel generators 007, 009, 010, and 011. [Rule 62-210.200, F.A.C., Definitions: Potential-to-Emit]

TEST METHODS AND COMPLIANCE PROCEDURES

- C.6 Compliance with the allowable emission limiting standards for NO_x in C.1 shall be demonstrated each federal fiscal year (Oct.1-Sept. 30), if applicable, by using EPA Method 7 or 7E, as described in 40 CFR 60, Appendix A, adopted by reference in Rule 62-204.800, F.A.C., and adopted in Rule 62-297.401, F.A.C. [Rules 62-4.070(3), 62-204.800, 62-297.310, and 62-297.401, F.A.C.]
- C.7 Compliance with the visible emission limitation shall be determined each federal fiscal year (Oct.1-Sept.30) using EPA Method 9 contained in 40 CFR 60, Appendix A and adopted by reference in Rule 62-297, F.A.C. The minimum requirements for stationary point sources emission test procedures and reporting shall be in accordance with Rule 62-297, F.A.C. and 40 CFR 60 Appendix A. [Rule 62-297, F.A.C.]

RECORDKEEPING AND REPORTING REQUIREMENTS

- C.8 All measurements, records, and other data required to be maintained by this facility shall be retained for at least five (5) years following the data on which such measurements, records, or data are recorded. These data shall be made available to the Department upon request. [Rule 62-4.070(3), F.A.C.]

AIR CONSTRUCTION PERMIT 0250476-004-AC
SECTION III. EMISSION UNIT(S) SPECIFIC CONDITIONS

- C.9 Two copies of the results of the emission tests for the pollutant listed in Condition C.1 for Units No. 7, 9, 10, and 11 shall be submitted within forty-five days of the last sampling run to the Southeast District office in West Palm Beach. All reports shall be in a format consistent with and shall include the information in accordance with Rule 62-297.310 (8), F.A.C. [**Rule 62-297.310(8), F.A.C.**]

APPENDIX GC
GENERAL PERMIT CONDITIONS [RULE 62-4.160, F.A.C.]

- G.1 The terms, conditions, requirements, limitations, and restrictions set forth in this permit are "Permit Conditions" and are binding and enforceable pursuant to Sections 403.161, 403.727, or 403.859 through 403.861, Florida Statutes. The permittee is placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of these conditions.
- G.2 This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings or exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the Department.
- G.3 As provided in Subsections 403.087(6) and 403.722(5), Florida Statutes, the issuance of this permit does not convey and vested rights or any exclusive privileges. Neither does it authorize any injury to public or private property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations. This permit is not a waiver or approval of any other Department permit that may be required for other aspects of the total project which are not addressed in the permit.
- G.4 This permit conveys no title to land or water, does not constitute State recognition or acknowledgment of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the State. Only the Trustees of the Internal Improvement Trust Fund may express State opinion as to title.
- G.5 This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, or plant life, or property caused by the construction or operation of this permitted source, or from penalties therefore; nor does it allow the permittee to cause pollution in contravention of Florida Statutes and Department rules, unless specifically authorized by an order from the Department.
- G.6 The permittee shall properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed or used by the permittee to achieve compliance with the conditions of this permit, as required by Department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by Department rules.
- G.7 The permittee, by accepting this permit, specifically agrees to allow authorized Department personnel, upon presentation of credentials or other documents as may be required by law and at a reasonable time, access to the premises, where the permitted activity is located or conducted to:
- (a) Have access to and copy and records that must be kept under the conditions of the permit;
 - (b) Inspect the facility, equipment, practices, or operations regulated or required under this permit, and,
 - (c) Sample or monitor any substances or parameters at any location reasonably necessary to assure compliance with this permit or Department rules.

Reasonable time may depend on the nature of the concern being investigated.

- G.8 If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, the permittee shall immediately provide the Department with the following information:
- (a) A description of and cause of non-compliance; and
 - (b) The period of noncompliance, including dates and times; or, if not corrected, the anticipated time the non-compliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the non-compliance.

The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the Department for penalties or for revocation of this permit.

APPENDIX GC
GENERAL PERMIT CONDITIONS [RULE 62-4.160, F.A.C.]

- G.9 In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source which are submitted to the Department may be used by the Department as evidence in any enforcement case involving the permitted source arising under the Florida Statutes or Department rules, except where such use is prescribed by Sections 403.73 and 403.111, Florida Statutes. Such evidence shall only be used to the extent it is consistent with the Florida Rules of Civil Procedure and appropriate evidentiary rules.
- G.10 The permittee agrees to comply with changes in Department rules and Florida Statutes after a reasonable time for compliance, provided, however, the permittee does not waive any other rights granted by Florida Statutes or Department rules.
- G.11 This permit is transferable only upon Department approval in accordance with Florida Administrative Code Rules 62-4.120 and 62-730.300, F.A.C., as applicable. The permittee shall be liable for any non-compliance of the permitted activity until the transfer is approved by the Department.
- G.12 This permit or a copy thereof shall be kept at the work site of the permitted activity.
- G.13 This permit also constitutes:
- (a) Determination of Best Available Control Technology ();
 - (b) Determination of Prevention of Significant Deterioration (); and
 - (c) Compliance with New Source Performance Standards ().
- G.14 The permittee shall comply with the following:
- (a) Upon request, the permittee shall furnish all records and plans required under Department rules. During enforcement actions, the retention period for all records will be extended automatically unless otherwise stipulated by the Department.
 - (b) The permittee shall hold at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation) required by the permit, copies of all reports required by this permit, and records of all data used to complete the application or this permit. These materials shall be retained at least three years from the date of the sample, measurement, report, or application unless otherwise specified by Department rule.
 - (c) Records of monitoring information shall include:
 - 1. The date, exact place, and time of sampling or measurements;
 - 2. The person responsible for performing the sampling or measurements;
 - 3. The dates analyses were performed;
 - 4. The person responsible for performing the analyses;
 - 5. The analytical techniques or methods used; and
 - 6. The results of such analyses.
- G.15 When requested by the Department, the permittee shall within a reasonable time furnish any information required by law which is needed to determine compliance with the permit. If the permittee becomes aware that relevant facts were not submitted or were incorrect in the permit application or in any report to the Department, such facts or information shall be corrected promptly.

SENDER: COMPLETE THIS SECTION	COMPLETE THIS SECTION ON DELIVERY
<ul style="list-style-type: none"> Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired. Print your name and address on the reverse so that we can return the card to you. Attach this card to the back of the mailpiece, or on the front if space permits. 	<p>A. Signature <input type="checkbox"/> Agent <input checked="" type="checkbox"/> Addressee</p> <p>B. Received by (Printed Name) <input type="checkbox"/> Agent <input checked="" type="checkbox"/> Addressee</p> <p>C. Date of Delivery</p>
<p>1. Article Addressed to:</p> <div style="border: 1px dashed black; padding: 5px;"> <p>Mr. John W. Chorlog, Jr., P.E. Deputy Director – Operations Miami-Dade Water & Sewer Department 3071 SW 38th Avenue Miami, Florida 33146-1520</p> </div>	<p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If YES, enter delivery address below: <input type="checkbox"/> No</p> <p>3. Service Type <input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.</p> <p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p>
<p>2. Article Number (Transfer from service label)</p>	<p>7000 1670 0013 3109 8857</p>

PS Form 3811, August 2001

Domestic Return Receipt

102595-02-M-1540

U.S. Postal Service
CERTIFIED MAIL RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)

OFFICIAL USE

Postage	\$	Postmark Here
Certified Fee		
Return Receipt Fee <small>(Endorsement Required)</small>		
Restricted Delivery Fee <small>(Endorsement Required)</small>		

Mr. John W. Chorlog, Jr., P.E.
Deputy Director – Operations
Miami-Dade Water & Sewer Department
3071 SW 38th Avenue
Miami, Florida 33146-1520

PS Form 3800, May 2000 See Reverse for Instructions

7000 1670 0013 3109 8857

In the Matter of an
Application for Permits by:

Miami-Dade Water and Sewer Department
P.O BOX 330316
Central District Wastewater Treatment Plant
Miami-Dade County

Draft Air Construction Permit No.: 0250476-004-AC
Draft Title V Air Operation Permit Revision No.: 0250476-007-AV

INTENT TO ISSUE AN AIR CONSTRUCTION PERMIT AND A TITLE V AIR OPERATION PERMIT REVISION

The Department of Environmental Protection Southeast District Office (permitting authority) gives notice of its intent to issue an Air Construction Permit and a Title V Air Operation Permit Revision (copies of the Draft Air Construction Permit and DRAFT Title V Air Operation Permit Revision attached) for the Title V source detailed in the application specified above and the attached Technical Evaluation and Preliminary Determination, for the reasons stated below. The revision is a change to the Title V Air Operation Permit No. 0250476-006-AV.

The applicant, Miami-Dade Water and Sewer Department, applied on April 16, 2004, to the permitting authority for an Air Construction Permit and a Title V Air Operation Permit Revision for the Central District Wastewater Treatment Plant located at 3869 Rickenbacker Causeway, Miami, Miami-Dade County.

The construction permit consist of the installation of two new 2.865 megawatt standby diesel electric generators, modify the three existing 2.5 megawatt standby diesel electric generators; and decrease operations for the proposed and existing standby diesel electric generators and the four existing 1.2 megawatt digester gas electric generators. The subject of this permit revision is to incorporate the terms and conditions of the construction permit 0250476-004-AC in the Title V Air Operation Permit.

The permitting authority has permitting jurisdiction under the provisions of Chapter 403, Florida Statutes (F.S.), and Florida Administrative Code (F.A.C.) Chapters 62-4, 62-210, 62-212 and 62-213. This source is not exempt from construction and Title V permitting procedures. The permitting authority has determined that an Air Construction Permit and a Title V Air Operation Permit Revision are required to construct and to commence or continue operations at the described facility.

The permitting authority intends to issue the Air Construction Permit and the Title V Air Operation Permit Revision based on the belief that reasonable assurances have been provided to indicate that the construction activity and operation of the source will not adversely impact air quality, and the source will comply with all appropriate provisions of Chapters 62-4, 62-204, 62-210, 62-212, 62-213, 62-256, 62-257, 62-281, 62-296, and 62-297, F.A.C.

Pursuant to Sections 403.815 and 403.087, F.S., and Rules 62-110.106 and 62-210.350(3), F.A.C., you (the applicant) are required to publish at your own expense the enclosed "PUBLIC NOTICE OF INTENT TO ISSUE AN AIR CONSTRUCTION PERMIT AND A TITLE V AIR OPERATION PERMIT REVISION." The notice shall be published one time only as soon as possible in the legal advertisement section of a newspaper of general circulation in the area affected. For the purpose of these rules, "publication in a newspaper of general circulation in the area affected" means publication in a newspaper meeting the requirements of Sections 50.011 and 50.031, F.S., in the county where the activity is to take place. If you are uncertain that a newspaper meets these requirements, please contact the permitting authority at the address or telephone number listed below. The applicant shall provide proof of publication to the Department's Southeast District Office, 400 N. Congress Avenue, Suite 200, West Palm Beach, Florida 33401 (Telephone: 561/681-6600; Fax: 561/681-6790), **and to the Department's Bureau of Air Regulation at 2600 Blair Stone Road, Mail Station #5505, Tallahassee, FL 32399-2400**, within 7 (seven) days of publication pursuant to Rule 62-110.106(5), F.A.C. Failure to publish the notice and provide proof of publication may result in the denial of the permits pursuant to Rule 62-110.106(11), F.A.C.

The permitting authority will issue the Air Construction Permit and the PROPOSED Title V Air Operation Permit Revision and subsequent FINAL Title V Air Operation Permit Revision, in accordance with the conditions of the attached Draft Air Construction Permit and the DRAFT Title V Air Operation Permit Revision unless a response received in accordance with the following procedures results in a different decision or significant change of terms or conditions.

The permitting authority will accept written comments concerning the proposed Air Construction Permit issuance action for a period of 14 (fourteen) days from the date of publication of the "PUBLIC NOTICE OF INTENT TO ISSUE AN AIR CONSTRUCTION PERMIT AND A TITLE V AIR OPERATION PERMIT REVISION." Written comments should be provided to the permitting authority office. Any written comments filed shall be made available for public inspection. If

written comments received result in a significant change in this Draft Air Construction Permit, the permitting authority shall issue a Revised Draft Air Construction Permit and require, if applicable, another Public Notice.

The permitting authority will accept written comments concerning the proposed Title V Air Operation Permit Revision issuance action for a period of 30 (thirty) days from the date of publication of the "PUBLIC NOTICE OF INTENT TO ISSUE AN AIR CONSTRUCTION PERMIT AND A TITLE V AIR OPERATION PERMIT REVISION." Written comments should be provided to the permitting authority office. Any written comments filed shall be made available for public inspection. If written comments received result in a significant change in this DRAFT Title V Air Operation Permit Revision, the permitting authority shall issue a Revised DRAFT Title V Air Operation Permit Revision and require, if applicable, another Public Notice.

A person whose substantial interests are affected by the proposed permitting decision may petition for an administrative hearing in accordance with Sections 120.569 and 120.57, F.S. The petition must contain the information set forth below and must be filed (received) in the Department's Southeast District Office, 400 N. Congress Avenue, Suite 200, West Palm Beach, Florida 33401 (Telephone: 561/681-6600; Fax: 561/681-6790). Petitions filed by the permits's (construction and revision) applicant or any of the parties listed below must be filed within 14 (fourteen) days of receipt of this notice of intent. Petitions filed by any persons other than those entitled to written notice under Section 120.60(3), F.S., must be filed within 14 (fourteen) days of publication of the public notice or within 14 (fourteen) days of receipt of this notice of intent, whichever occurs first. Under Section 120.60(3), F.S., however, any person who asked the permitting authority for notice of agency action may file a petition within 14 (fourteen) days of receipt of that notice, regardless of the date of publication. A petitioner shall mail a copy of the petition to the applicant at the address indicated above, at the time of filing. The failure of any person to file a petition within the appropriate time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under Sections 120.569 and 120.57, F.S., or to intervene in this proceeding and participate as a party to it. Any subsequent intervention will be only at the approval of the presiding officer upon the filing of a motion in compliance with Rule 28-106.205, F.A.C.

A petition that disputes the material facts on which the permitting authority's action is based must contain the following information:

- (a) The name and address of each agency affected and each agency's file or identification number, if known;
- (b) The name, address, and telephone number of the petitioner; the name, address and telephone number of the petitioner's representative, if any, which shall be the address for service purposes during the course of the proceeding; and an explanation of how the petitioner's substantial interests will be affected by the agency determination;
- (c) A statement of how and when each petitioner received notice of the agency action or proposed action;
- (d) A statement of all disputed issues of material fact. If there are none, the petition must so indicate;
- (e) A concise statement of the ultimate facts alleged, as well as the rules and statutes which entitle the petitioner to relief;
- (f) A statement of the specific rules or statutes the petitioner contends require reversal or modification of the agency's proposed action; and,
- (g) A statement of the relief sought by the petitioner, stating precisely the action petitioner wishes the agency to take with respect to the agency's proposed action.

A petition that does not dispute the material facts upon which the permitting authority's action is based shall state that no such facts are in dispute and otherwise shall contain the same information as set forth above, as required by Rule 28-106.301, F.A.C.

Because the administrative hearing process is designed to formulate final agency action, the filing of a petition means that the permitting authority's final action may be different from the position taken by it in this notice of intent. Persons whose substantial interests will be affected by any such final decision of the permitting authority on the application(s) have the right to petition to become a party to the proceeding, in accordance with the requirements set forth above.

Mediation will not be available in this proceeding.

In addition to the above, a person subject to regulation has a right to apply to the Department of Environmental Protection for a variance from or waiver of the requirements of particular rules, on certain conditions, under Section 120.542, F.S. The relief provided by this state statute applies only to state rules, not statutes, and not to any federal regulatory requirements. Applying for a variance or waiver does not substitute or extend the time for filing a petition for an administrative hearing or exercising any other right that a person may have in relation to the action proposed in this notice of intent.

The application for a variance or waiver is made by filing a petition with the Office of General Counsel of the Department of Environmental Protection, 3900 Commonwealth Boulevard, Mail Station #35, Tallahassee, Florida 32399-3000. (Telephone: 850/245-2242; Fax: 850/245-2303)

The petition must specify the following information:

- (a) The name, address, and telephone number of the petitioner;
- (b) The name, address, and telephone number of the attorney or qualified representative of the petitioner, if any;
- (c) Each rule or portion of a rule from which a variance or waiver is requested;
- (d) The citation to the statute underlying (implemented by) the rule identified in (c) above;
- (e) The type of action requested;
- (f) The specific facts that would justify a variance or waiver for the petitioner;
- (g) The reason why the variance or waiver would serve the purposes of the underlying statute (implemented by the rule); and,
- (h) A statement whether the variance or waiver is permanent or temporary and, if temporary, a statement of the dates showing the duration of the variance or waiver requested.

The Department will grant a variance or waiver when the petition demonstrates both that the application of the rule would create a substantial hardship or violate principles of fairness, as each of those terms is defined in Section 120.542(2), F.S., and that the purpose of the underlying statute will be or has been achieved by other means by the petitioner.

Persons subject to regulation pursuant to any federally delegated or approved air program should be aware that Florida is specifically not authorized to issue variances or waivers from any requirements of any such federally delegated or approved program. The requirements of the program remain fully enforceable by the Administrator of the United States Environmental Protection Agency and by any person under the Clean Air Act unless and until the Administrator separately approves any variance or waiver in accordance with the procedures of the federal program.

Finally, pursuant to 42 United States Code (U.S.C.) Section 7661d(b)(2), any person may petition the Administrator of the EPA within 60 (sixty) days of the expiration of the Administrator's 45 (forty-five) day review period as established at 42 U.S.C. Section 7661d(b)(1), to object to issuance of any permit revision. Any petition shall be based only on objections to the permit revision that were raised with reasonable specificity during the 30 (thirty) day public comment period provided in this notice, unless the petitioner demonstrates to the Administrator of the EPA that it was impracticable to raise such objections within the comment period or unless the grounds for such objection arose after the comment period. Filing of a petition with the Administrator of the EPA does not stay the effective date of any permit properly issued pursuant to the provisions of Chapter 62-213, F.A.C. Petitions filed with the Administrator of EPA must meet the requirements of 42 U.S.C. Section 7661d(b)(2) and must be filed with the Administrator of the EPA at: U.S. EPA, 401 M Street, S.W., Washington, D.C. 20460.

Executed in West Palm Beach, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION

Kevin R. Neal
District Director
Southeast District

date

KRN/TT/LT/md

CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this INTENT TO ISSUE AN AIR CONSTRUCTION PERMIT AND A TITLE V AIR OPERATION PERMIT REVISION (including the combined PUBLIC NOTICE, the Draft Air Construction Permit and the DRAFT Title V Air Operation Permit Revision) and all copies were sent by electronic correspondence before the close of business on _____ to the person(s) listed:

John W. Chorlog Jr., P.E., Miami e-mail { **HYPERLINK "jwcho01@miamidade.gov"** }

In addition, the undersigned duly designated deputy agency clerk hereby certifies that copies of this INTENT TO ISSUE AN AIR CONSTRUCTION PERMIT AND A TITLE V AIR OPERATION PERMIT REVISION (including the combined PUBLIC NOTICE, the Draft Air Construction Permit and the DRAFT Title V Air Operation Permit Revision) were sent by electronic correspondence on the same date to the person(s) listed or as otherwise noted:

Richard M. O'Rourke, PE e-mail e-mail { **HYPERLINK "rorou01@miamidade.gov"** }
Alvaro Linero, PE, DARM Tallahassee e-mail { **HYPERLINK "Alvaro.Linero@dep.state.fl.us"** }
Patrick Wong, Miami-Dade, DERM e-mail { **HYPERLINK "wongp@miamidade.gov"** }
Syed Arif, P.E.,DARM { **HYPERLINK "Syed.Arif@dep.state.fl.us"** }

In addition, the undersigned duly designated deputy agency clerk hereby certifies that copies of this INTENT TO ISSUE AN AIR CONSTRUCTION PERMIT AND A TITLE V AIR OPERATION PERMIT REVISION (including the combined PUBLIC NOTICE, the Draft Air Construction Permit and the DRAFT Title V Air Operation Permit Revision) were sent by INTERNET E-mail on the same date to the person(s) listed:

Gracy Danois, U.S. EPA, Region 4 (INTERNET e-mail Memorandum)

Clerk Stamp
FILING AND ACKNOWLEDGMENT FILED, on
this date, pursuant to Section 120.52(7), Florida Statutes,
with the designated agency Clerk, receipt of which is hereby acknowledged.

(Clerk)

(Date)

PUBLIC NOTICE OF INTENT TO ISSUE AN AIR CONSTRUCTION PERMIT AND A TITLE V AIR OPERATION PERMIT REVISION

Department of Environmental Protection
Southeast District
Draft Air Construction Permit No.: 0250476-004-AC
DRAFT Permit Project No.: 0250476-007-AV
Central District Wastewater Treatment Plant
Miami-Dade County

Draft Air Construction Permit No.: 0250476-004-AC
DRAFT Title V Air Operation Permit Revision Project No.: 0250476-007-AV
Revision to Title V Air Operation Permit No.: 0250476-006-AV
Central District Wastewater Treatment Plant
Miami-Dade County

The Department of Environmental Protection, Southeast District Office (permitting authority) gives notice of its intent to issue an Air Construction Permit and a Title V Air Operation Permit Revision to Miami-Dade Water and Sewer Department for the Central District Wastewater Treatment Plant located at 3071 SW, 38 Avenue, Miami, Miami-Dade County Florida 33146. The revision is a change to Title V Air Operation Permit No. 0250476-006-AV. The applicant's name and address are: Mr. John W. Chorlog, P.E. 3071 SW 38 Avenue, Miami, Miami-Dade County, Florida 33146

Permit for installing two new 2.865 megawatt standby diesel electric generators, modify the three existing 2.5 megawatt standby diesel electric generators; and decrease operations for the proposed and existing standby diesel electric generators and the four existing 1.2 megawatt digester gas electric generators. This project is not subject to review under Rule 62-212.400, Prevention of Significant Deterioration as the proposed changes makes the facility a Minor Facility. The subject of this permit revision is to incorporate the terms and conditions of the construction permit 0250476-004-AC in the Title V Air Operation Permit.

The permitting authority will issue the Air Construction Permit and the PROPOSED Title V Air Operation Permit Revision and subsequent FINAL Title V Air Operation Permit Revision, in accordance with the conditions of the Draft Air Construction Permit and the DRAFT Title V Air Operation Permit Revision unless a response received in accordance with the following procedures results in a different decision or significant change of terms or conditions.

The permitting authority will accept written comments concerning the proposed Draft Air Construction Permit issuance action for a period of 14 (fourteen) days from the date of publication of this Notice. Written comments should be provided to the Department's Southeast District Office, 400 N Congress Avenue, Suite 200, West Palm Beach, Florida 33401, **and to the Department's Bureau of Air Regulation at 2600 Blair Stone Road, Mail Station #5505, Tallahassee, FL 32399-2400.** Any written comments filed shall be made available for public inspection. If written comments received result in a significant change in this Draft Air Construction Permit, the permitting authority shall issue a Revised Draft Air Construction Permit and require, if applicable, another Public Notice.

The permitting authority will accept written comments concerning the proposed DRAFT Title V Air Operation Permit Revision issuance action for a period of 30 (thirty) days from the date of publication of this Notice. Written comments should be provided to the Department's Southeast District Office, 400 N Congress Avenue, Suite 200, West Palm Beach, Florida 33401. Any written comments filed shall be made available for public inspection. If written comments received result in a significant change in this DRAFT Title V Air Operation Permit Revision, the permitting authority shall issue a Revised DRAFT Title V Air Operation Permit Revision and require, if applicable, another Public Notice.

A person whose substantial interests are affected by the proposed permitting decision may petition for an administrative hearing in accordance with Sections 120.569 and 120.57 of the Florida Statutes (F.S.). The petition must contain the information set forth below and must be filed (received) in the Department's Southeast District Office, 400 N Congress Avenue, Suite 200, West Palm Beach, Florida 33401. (Telephone: 561/681-6600, Fax: 561/681-6790), **and to the Department's Bureau of Air Regulation at 2600 Blair Stone Road, Mail Station #5505, Tallahassee, FL 32399-2400.** Petitions filed by any persons other than those entitled to written notice under Section 120.60(3), F.S., must be filed within 14 (fourteen) days of publication of the public notice or within 14 (fourteen) days of receipt of the notice of intent, whichever occurs first. Under Section 120.60(3), F.S., however, any person who asked the permitting authority for notice of agency action may file a petition within 14 (fourteen) days of receipt of that notice, regardless of the date of publication. A petitioner shall mail a copy of the petition to the applicant at the address indicated

above, at the time of filing. The failure of any person to file a petition within the applicable time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under Sections 120.569 and 120.57, F.S., or to intervene in this proceeding and participate as a party to it. Any subsequent intervention will be only at the approval of the presiding officer upon the filing of a motion in compliance with Rule 28-106.205 of the Florida Administrative Code (F.A.C.).

A petition that disputes the material facts on which the permitting authority's action is based must contain the following information:

- (a) The name and address of each agency affected and each agency's file or identification number, if known;
- (b) The name, address and telephone number of the petitioner; name address and telephone number of the petitioner's representative, if any, which shall be the address for service purposes during the course of the proceeding; and an explanation of how petitioner's substantial rights will be affected by the agency determination;
- (c) A statement of how and when the petitioner received notice of the agency action or proposed action;
- (d) A statement of all disputed issues of material fact. If there are none, the petition must so state;
- (e) A concise statement of the ultimate facts alleged, as well as the rules and statutes which entitle petitioner to relief;
- (f) A statement of the specific rules or statutes the petitioner contends require reversal or modification of the agency's proposed action; and,
- (g) A statement of the relief sought by the petitioner, stating precisely the action petitioner wishes the agency to take with respect to the agency's proposed action.

A petition that does not dispute the material facts upon which the permitting authority's action is based shall state that no such facts are in dispute and otherwise shall contain the same information as set forth above, as required by Rule 28-106.301, F.A.C.

Because the administrative hearing process is designed to formulate final agency action, the filing of a petition means that the permitting authority's final action may be different from the position taken by it in this notice of intent. Persons whose substantial interests will be affected by any such final decision of the permitting authority on the application(s) have the right to petition to become a party to the proceeding, in accordance with the requirements set forth above.

Mediation is not available for this proceeding.

In addition to the above, pursuant to 42 United States Code (U.S.C.) Section 7661d(b)(2), any person may petition the Administrator of the EPA within 60 (sixty) days of the expiration of the Administrator's 45 (forty-five) day review period as established at 42 U.S.C. Section 7661d(b)(1), to object to issuance of any permit revision. Any petition shall be based only on objections to the permit revision that were raised with reasonable specificity during the 30 (thirty) day public comment period provided in this notice, unless the petitioner demonstrates to the Administrator of the EPA that it was impracticable to raise such objections within the comment period or unless the grounds for such objection arose after the comment period. Filing of a petition with the Administrator of the EPA does not stay the effective date of any permit properly issued pursuant to the provisions of Chapter 62-213, F.A.C. Petitions filed with the Administrator of EPA must meet the requirements of 42 U.S.C. Section 7661d(b)(2) and must be filed with the Administrator of the EPA at: U.S. EPA, 401 M Street, S.W., Washington, D.C. 20460.

A complete project file is available for public inspection during normal business hours, 8:00 a.m. to 5:00 p.m., Monday through Friday, except legal holidays, at:

Permitting Authority:

Department of Environmental Protection
Southeast District Office
400 N. Congress Avenue, Suite 200
West Palm Beach, Florida 33401
Telephone: 561/681-6600
Fax: 561/681-6790

Affected Local Program:

Miami-Dade County Department of Environmental Resources Management
33 Southwest Second Avenue, Suite 900
Miami, Florida 33130-1540
Telephone: 305/372-6925
Fax: 305/372-6954



Jeb Bush
Governor

Department of Environmental Protection

Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Colleen M. Castille
Secretary

May 5, 2004

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Mr. John W. Chorlog, P.E.
Assistant Director Wastewater
Miami-Dade Water & Sewer Department
3071 S.W. 38 Avenue
Miami, Florida 33146

Re: DRAFT Permit No. 0250476-004-AC
Central District Wastewater Treatment Plant

Dear Mr. Chorlog:

The Department has received your application for an air construction/operation permit for the modification of the existing standby generators and the installation of two additional standby generators for your Central District Wastewater Treatment Plant in Dade County. The application was received on April 6, 2004. We need the additional information listed below in order to continue processing this request.

1. Please provide actual emissions of NO_x for the last two years for the 4 digester gas-fired cogeneration engines (E.U. Nos. 007,009,010 and 011) as well as 3 standby generator sets (E.U Nos. 013,014 and 015).
2. Table 4-1 on Page 4-2 of the application indicates the hours of operation for the three existing standby generators and the two new standby generators as 52,560. Please indicate how this number was arrived at.
3. The application indicates restricting the fuel usage for the five standby generators to 725,000 gallons per year. Please indicate how the facility will show compliance with fuel usage. Will the facility have a totalizer for fuel usage for all five standby generators? Is it possible to have hours of operation limit as well that conforms to total fuel usage.
4. The application request external radiators for the three existing standby generators. Please indicate if this will reduce NO_x emissions from the engines. If it does, quantify the decrease in NO_x emissions.
5. Table 4-2 on Page 4-3 of the application lists NO_x emission factor as 3.75 lbs/MMBtu. Where was this number derived from?

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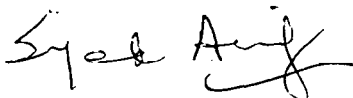
6. Page 10 of the Application Long Form list NOx Annual Cap in TPY as 112 for the five standby generators. Please indicate how this number was arrived at.

The Department will resume processing this application after receipt of the requested information. Rule 62-4.050(3), F.A.C. requires that all applications for a Department permit must be certified by a professional engineer registered in the State of Florida. This requirement also applies to responses to Department requests for additional information of an engineering nature. A new certification statement by the authorized representative or responsible official must accompany any material changes to the application. Rule 62-4.055(1), F.A.C. now requires applicants to respond to requests for information within 90 days.

Please note that in accordance with Rule 62-4.055(1), "The applicant shall have **ninety days** after the Department mails a timely request for additional information to submit that information to the Department..... Failure of an applicant to provide the timely requested information by the applicable date **shall** result in denial of the application."

We will be happy to meet and discuss the details with you and your staff. Mr. Syed Arif, P.E. is responsible for the technical review of the application. He may be contacted at 850/921-9528.

Sincerely,



Syed Arif, P.E.
Permit Engineer
Permitting South Section

cc: R. O'Rourke, P.E., MD-WASD
L. Tallum, DEP-SED
M. Muthiah, DERM

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<p>1. Article Addressed to:</p> <p>Mr. John W. Chorlog, P.E. Assistant Director Wastewater Miami-Dade Water & Sewer Department 3071 S.W. 38 Avenue Miami, Florida 33146</p>	<p>D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input checked="" type="checkbox"/> No</p> <p>3. Service Type <input checked="" type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input type="checkbox"/> Registered <input type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.</p> <p>4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes</p>
<p>2. Article Number (Transfer from service label) 7001 0320 0001 3692 6655</p>	
<p>PS Form 3811, August 2001 Domestic Return Receipt 102595-02-M-1540</p>	

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<p>PS Form 3800, January 2001 See Reverse for Instructions</p>											

5599 269E 1000 0220 7001 0320 0001 3692 6655



Jeb Bush
Governor

Department of Environmental Protection

Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Colleen M. Castille
Secretary

May 28, 2004

CERTIFIED MAIL – Return Receipt Requested

Mr. Vicente Castro, Assistant Director
Miami-Dade County Department of Solid Waste Management
8675 NW 53rd Street, Suite 201
Miami, FL 33166-4598

Re: Opening for Cause - Applicable Requirements
Title V Air Operation Permit No. 0250348-004-AV
Miami-Dade County Resource Recovery Facility

Dear Mr. Castro:

This letter is to advise you that we will be opening for cause the Title V Operation Permit 0250348-004-AC issued on October 12, 2000. The purpose is to make a number of changes based on applicable requirements from underlying state construction permits and federal New Source Performance Standards. These include:

- Correcting the allowable number of hours for which carbon monoxide (CO) excess emissions can be excluded under 40 CFR 60, Subpart Cb. (Reference Specific Conditions B.44 - 45)
- Deleting the control device inlet temperature monitoring requirement no longer applicable pursuant to a previous permit revision. (Reference Specific Condition B.17)
- Incorporating a recent provision in 40 CFR Subpart Cb that addresses allows excess CO emissions when related to loss of boiler water control when determined to be a malfunction.

Since the CO excess emissions provisions of Subpart Cb are applicable requirements, the Department is required to open your Title V Permit for cause and include them in accordance with Rules 62-4.080(1), 62-213.430(4) and 62-213.440(1), F.A.C., and 40 CFR 70.7(f)(1)(iii). Please note that the adjustment to the Subpart Cb CO excess emissions provision does not affect the applicable state excess emission rule that is already in the permit. We expect to prepare and send you a draft revision of the Title V Permit for review and comment within the next month. If there are any questions, please call Teresa Heron at 850-921-9529.

Sincerely,

A. A. Linero, Program Administrator
South Permitting Section
Bureau of Air Regulation

AAL/th

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1. Article Addressed to:
 Mr. Vicente Castro, Assistant Director
 Miami-Dade County Department of Solid Waste Management
 8675 NW 53rd Street, Suite 201
 Miami, Florida 33166-4598

2. Article Number 7000 1670 0013 3109 8642
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 Addressee

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 Mr. Vicente Castro, Assistant Director
 Street, Apt. No. or PO Box No.
 8675 NW 53rd Street, Suite 201
 City, State ZIP+4
 Miami, Florida 33166-4598