



Jeb Bush
Governor

Department of Environmental Protection

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

David B. Struhs
Secretary

April 3, 2000

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Mr. Jorge S. Rodriguez, P.E.
Asst. Director, Water
Miami-Dade Water and Sewer Department
4200 Salzedo Street
Coral Gables, Florida 33146-0316

Re: DEP File No. 0250281-007-AC, PSD-FL-248A
John E. Preston WTP
Additional (7th) Standby Diesel Engine Generator and Water Ozonation Systems

The applicant, Miami-Dade Water and Sewer Department, applied on January 24, 2000, to the Department for a modification to PSD permit number PSD-FL-248 (0250281-006-AC) for its John E. Preston Water Treatment Plant located at 1100 West 2nd Avenue, and its Hialeah Water Treatment Plant located at 700 West 2nd Avenue, Hialeah, Miami-Dade County. The modification is to allow the applicant to construct an additional (seventh) standby diesel generator to add redundancy to the six existing diesel engine generators which provide power generation capacity during periods of load-sharing with the local utility, during power failures and other circumstances including severe weather warnings and events of potential electric utility power losses or reductions. The generators serve both water treatment plants. This permit modification also provides for the construction of ozone generators and ozone water treatment basins for ozonation of water as part of the treatment system. These sources have negligible emissions of ozone and will be considered insignificant emissions units for purposes of Title V regulation. The Department has reviewed the modification request. The referenced permit is hereby modified as follows:

The following emissions units shall be added to Section I, Project Details and Section III:

EMISSIONS UNIT NO.	EMISSIONS UNIT DESCRIPTION
012	Standby Diesel Engine Generator #7, EMD model 20-645F4B
013	Water Ozonation Systems

Emissions unit 012 has a nominal base load rating of 2.865 megawatts (MW), driven by a 4,000 bhp prime mover. Emissions unit 012 shall be subject to all facility-wide and emissions units specific conditions of permit PSD-FL-248 (0250281-006-AC). Emissions unit 013 is considered insignificant for purposes of Title V regulation, and is therefore subject only to the facility-wide specific conditions of permit PSD-FL-248 (0250281-006-AC). The specific conditions of permit PSD-FL-248 (0250281-006-AC) are not modified by this order.

The expiration date of permit PSD-FL-248 (0250281-006-AC) shall be extended until June 30, 2003 to allow additional time for the construction of these emissions units.

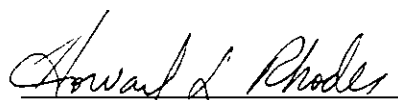
"More Protection, Less Process"

Printed on recycled paper.

A copy of this letter shall be filed with the referenced permit and shall become part of the permit. This PSD permit modification is issued pursuant to Chapter 403, Florida Statutes.

Any party to this order (PSD permit modification) has the right to seek judicial review of it under Section 120.68, F.S., 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.


Howard L. Rhodes, Director
Division of Air Resources
Management


CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this PSD permit modification was sent by certified mail (*) and copies were mailed by U.S. Mail before the close of business on 4-3-00 to the person(s) listed:

Mr. Jorge S. Rodriguez, P.E. *
Mr. Isidore Goldman, P.E., DEP SED
Mr. Patrick Wong, P.E., DERM
Mr. Gregg Worley, EPA
Mr. John Bunyak, NPS

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.

 4-3-00
(Clerk) (Date)

FINAL DETERMINATION

Miami-Dade Water and Sewer Department
John E. Preston WTP
7th Standby Diesel Engine Generator and Water Ozonation Systems
DEP File No. 0250281-007-AC, PSD-FL-248A

The Department distributed a public notice package on February 9, 2000 for a construction permit modification to allow the applicant to construct an additional (seventh) standby diesel generator to add redundancy to the six existing diesel engine generators at the Miami-Dade Water and Sewer Department's John E. Preston Water Treatment Plant located at 1100 West 2nd Avenue, and its Hialeah Water Treatment Plant located at 700 West 2nd Avenue, Hialeah, Miami-Dade County. This permit modification also provides for the construction of ozone generators and ozone water treatment basins for the ozonation of water. None of the existing permit limits on emissions or operation of PSD permit PSD-FL-248 will be changed as a result of this action. The Public Notice of Intent to Issue was published in the Miami-Daily Business Review on March 2, 2000.

COMMENTS/CHANGES

No comments were received by the Department from the public.

No comments were received from EPA or the National Park Service.

Comments were received from the applicant by e-mail dated March 7, 2000 that requested the reference to "raw" water be removed in the final permit modification because the ozonation systems will treat the water after certain other treatment steps. "Raw" was deleted in the emissions unit table for the ozonation systems and the description was changed to refer to "ozonation of water as part of the treatment system" rather than to raw water ozonation.

The Department changed "permit modification" in the text to "PSD permit modification" to clarify that this action is a modification to a PSD permit.

CONCLUSION

The final action of the Department is to issue the permit modification with the changes described above.

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
NOTICE OF FINAL PSD PERMIT MODIFICATION

In the Matter of an
Application for Permit by:


Mr. Jorge S. Rodriguez, P.E.
Asst. Director, Water
Miami-Dade Water and Sewer Department
4200 Salzedo Street
Coral Gables, Florida 33146-0316

DEP File No. 0250281-007-AC
PSD-FL-248A
7th Standby Diesel Engine Generator and
Raw Water Ozonation Systems
John E. Preston WTP, Miami-Dade County

Enclosed is final PSD permit modification number 0250281-007-AC, PSD-FL-248A. This permit authorizes Miami-Dade Water and Sewer Department to add a seventh standby diesel engine generator and ozone generators and ozone water treatment basins at its John E. Preston Water Treatment Plant located at 1100 West 2nd Avenue, and its Hialeah Water Treatment Plant located at 700 West 2nd Avenue, Hialeah, Miami-Dade County. This PSD permit modification 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.


for C. H. Fancy, P.E., Chief
Bureau of Air Regulation


CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this Notice of Final PSD Permit Modification (including the final PSD permit modification) was sent by certified mail (*) and copies were mailed by U.S. Mail before the close of business on 4-3-00 to the person(s) listed:

Mr. Jorge S. Rodriguez, P.E. *
Mr. Isidore Goldman, P.E., DEP SED
Mr. Patrick Wong, P.E., DERM
Mr. Gregg Worley, EPA
Mr. John Bunyak, NPS

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) 4-3-00
(Date)

Memorandum

Florida Department of Environmental Protection

TO: Howard L. Rhodes

THRU: Clair Fancy *may 1/3*
Al Linero

FROM: Joe Kahn *JK*

DATE: April 3, 2000

SUBJECT: Miami-Dade WASD Preston WTP
0250281-007-AC, PSD-FL-248A
Additional (7th) Standby Diesel Engine Generator and
Water Ozonation Systems

BAR

Attached for approval and signature is the final PSD permit modification for the construction of a seventh standby diesel generator and water ozonation systems at Miami-Dade Water and Sewer Department's Hialeah and Preston Water Treatment Plants. The additional standby diesel generator will add redundancy to the six existing diesel engine generators. The proposed generator will give the applicant the ability to power the proposed ozonation systems during power outages and will also provide firm backup (redundant) capacity in the event that one or more of the existing engines is out of service for repair or preventive maintenance. The generators serve both water treatment plants.

Although this project is a modification of an existing PSD permit, potential emissions will not be increased and actual emissions are not expected to increase, so the application was not subject to PSD review. The applicant agreed to continue to meet the existing fuel cap for the diesel generators and the new engine will be subject to the existing BACT limit for NOx. NOx emissions will be controlled by the use of fuel injection timing retardation and turbocharger aftercooling.

This permit modification also provides for the construction of ozone generators and ozone water treatment basins. These sources have negligible emissions of ozone and will be considered insignificant emissions units for purposes of Title V regulation. This permit modification provides for an extension of the permit expiration date until June 30, 2003 to allow additional time for the construction of these emissions units.

The Public Notice requirements have been met on March 2, 2000 by publishing in the Miami Daily Business Review.

I recommend your approval and signature.

Day 90 is June 11, 2000.

Attachments
/jk

BUREAU OF AIR REGULATION

APR 03 2000

RECEIVED

SE

- 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.

1. Article Addressed to:

Jorge Rodriguez, PE
Miami-Dade W-5 Dept.
4200 Salzedo St.
Coral Gables, FL
33146-0316

A. Received by (Please Print Clearly)

B. Date of Delivery

4/6/00

C. Signature

X

J Hall

☐ Agent

☐ Addressee

D. Is delivery address different from item 1? ☐ Yes

If YES, enter delivery address below:

☐ No

3. Service Type

☒ Certified Mail

☐ Express Mail

☐ Registered

☐ Return Receipt for Merchandise

☐ Insured Mail

☐ C.O.D.

4. Restricted Delivery? (Extra Fee)

☐ Yes

2. Article Number (Copy from service label)

Z 031 391 936

PS Form 3811, July 1999

Domestic Return Receipt

102595-99-M-1789

Z 031 391 936

US Postal Service

Receipt for Certified Mail

No Insurance Coverage Provided.

Do not use for International Mail (See reverse)

Sent to	Jorge Rodriguez
Street & Number	M.D. W-5 Dept
Post Office, State, & ZIP Code	Coral Gables FL
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date	4-3-00
	0250281-007-AC
	POD-FI-248A

PS Form 3800, April 1995