



Department of Environmental Protection

FILE
P182-709.073

Lawton Chiles
Governor

Southeast District
P.O. Box 15425
West Palm Beach, Florida 33416

Virginia B. Wetherell
Secretary

JUN 25 1997
CERTIFIED MAIL

Consolidated Permit

In the matter of an Application
for a Wastewater permit by

DEP Permit No. FL0032182-001

Mr. William Brant
Miami Dade Water and Sewer Department
4200 Salzedo Street
Coral Gables, Florida 33146

Dade County

NOTICE OF AGENCY ACTION

On May 1, 1995, the Florida Department of Environmental Protection (Department) was granted authority by the U.S. Environmental Protection Agency to administer the National Pollutant Discharge Elimination System (NPDES) permitting program. Effective April 4, 1997, the Department assumed permitting and enforcement authority for the NPDES permit issued by EPA for point source discharges from your wastewater facility to waters of the United States. Also on May 1, 1995, the new wastewater permitting rule, Chapter 62-620, Florida Administrative Code (F.A.C.), became effective. The rule applies to all state wastewater permitting and supersedes previous rule provisions.

This Order consolidates the Environmental Protection Agency issued NPDES permit and the State issued permits for the North District Wastewater Treatment Facility, into one document (Order). The Miami Dade Water and Sewer Department applied to the Environmental Protection Agency (EPA) on March 27, 1997 to renew the subject NPDES permit. On April 4, 1997 the regulatory jurisdiction of the subject facility was delegated to the State of Florida Department of Environmental Protection (Department). The Department will begin processing the renewal application and issue a wastewater permit.

Pursuant to Rule 62-620.105(10), F.A.C., this Order constitutes issuance of Wastewater Permit Number FL0032182-001 to Miami Dade Water and Sewer Department. Wastewater permit Number FL0032182-001 combines NPDES permit FL0032182 (Section I), State permit DT 13-234453 (Section II), State permit DT 13-265111 (Section III), State permit FLA032183-001 (Section IV), State permit DC 13-207137 (Section V), and State permit DC 13-263958 (Section VI). The NPDES permit in Section I is adopted under Section 403.085, Florida Statutes (F.S.). The state permits in Sections II, III, IV, V, and VI remain in effect under Sections 403.087 and 403.088, F.S. All permit conditions of both sections remain in effect and are unchanged. All of the conditions in Section I, II, III, IV, V, and VI are enforceable under Chapter 403, F.S. In addition, the conditions in Section I are enforceable under the Federal Clean Water Act by the Environmental Protection Agency. Duplicate permit conditions will be addressed upon renewal of the NPDES permit or, in the interim, upon a request by the permittee for a substantial revision under Rule 62-620.325, F.A.C.

Pursuant to Chapter 403.087, Florida Statutes, and Rule 62-4.052, F.A.C., an initial pro-rated regulatory program and surveillance fee is due July 11, 1997, for the facility referenced above. Each year thereafter, the annual regulatory program and surveillance fee will be due January 15. Enclosed is a work sheet identifying the annual fee applicable to your facility according to information on file at our office. If you have questions about these fees, please contact this office by July 3, 1997. Invoices for the initial annual fees will be mailed after that date.

"Protect, Conserve and Manage Florida's Environment and Natural Resources"

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

Any person may elect to pursue mediation by reaching a mediation agreement with all parties to the proceeding (which includes the Department and any person who has filed a timely and sufficient petition for a hearing) and by showing how the substantial interests of each mediating party are affected by the Department's action or proposed action. The agreement must be filed in (received by) the Department of Environmental Protection, Office of General Counsel, Mail Station 35, 3900 Commonwealth Boulevard, Tallahassee, Florida 32399-3000, by the same deadline as set forth above for the filing of a petition.

The agreement to mediate must include the following:

- (a) The names, addresses, and telephone numbers of any persons who may attend the mediation;
- (b) The name, address, and telephone number of the mediator selected by the parties, or a provision for selecting a mediator within a specified time;
- (c) The agreed allocation of the costs and fees associated with the mediation;
- (d) The agreement of the parties on the confidentiality of discussions and documents introduced during mediation;
- (e) The date, time, and place of the first mediation session, or a deadline for holding the first session, if no mediator has yet been chosen;
- (f) The name of each party's representative who shall have authority to settle or recommend settlement;
- (g) Either an explanation of how the substantial interests of each mediating party will be affected by the action or proposed action addressed in this action or a statement clearly identifying the petition for hearing that each party has already filed, and incorporating it by reference; and
- (h) The signatures of all parties or their authorized representatives.

As provided in section 120.573 of the Florida Statutes, the timely agreement of all parties to mediate will toll the time limitations imposed by section 120.569 and 120.57 for requesting and holding an administrative hearing. Unless otherwise agreed by the parties, the mediation must be concluded within sixty days of the execution of the agreement. If mediation results in settlement of the administrative dispute, the Department must enter a final order incorporating the agreement of the parties. Persons whose substantial interests will be affected by such a modified final decision of the Department have a right to petition for a hearing only in accordance with the requirements for such petitions set forth above, and must therefore file their petitions within fourteen days of receipt of this notice. If mediation terminates without settlement of the dispute, the Department shall notify all parties in writing that the administrative hearing processes under section 120.569 and 120.57 remain available for disposition of the dispute, and the notice will specify the deadlines that then will apply for challenging the agency action and electing remedies under those two statutes.

This action is final and effective on the date filed with the Clerk of the Department unless a petition (or request for mediation) is filed in accordance with the above. Upon the timely filing of a petition (or request for mediation) this order will not be effective until further order of the Department.

Any party to the order has the right to seek judicial review of the order under section 120.68 of the Florida Statutes, by the filing of a notice of appeal under rule 9.110 of the Florida Rules of Appellate Procedure with the Clerk of the Department of Environmental Protection, 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 of appeal must be filed within 30 days from the date when the final order is filed with the Clerk of the Department.

Metropolitan Dade County, Miami Dade Water and Sewer Department shall submit to the Department along with the annual fee mentioned above, a check in the amount of \$3,000 for the continued processing of the NPDES permit renewal, in accordance with 62-620.105(12)(a) F.A.C.

Metropolitan Dade County, Miami Dade Water and Sewer Department shall comply with the schedules contained in the Settlement Agreement Systemwide, executed July 27, 1993, and the schedules contained in DEP Permit Number DT 13-234453, incorporated in Section II. The schedules contained in the Department issued construction permits attached as Section V and VI above, will now be considered construction schedules in accordance with 62-620 F.A.C. and are incorporated by reference as part of this Order.

Metropolitan Dade County, Miami Dade Water and Sewer Department shall maintain and operate its facilities in compliance with all other conditions of DEP Permit No. FL0032182-001.

The permittee shall continue all monitoring required by all sections of this Order. Monitoring required under all Sections shall be submitted to the Florida Department of Environmental Protection, Wastewater Facilities Regulation Section, Mail Station 3551, Twin Towers Office Building, 2600 Blairstone Road Tallahassee, Florida 32399-2400.

Failure to comply with the requirements of this Order shall constitute a violation of this order and DEP Permit No. FL0032182-001, and may subject the permittee to penalties as provided in section 403.161 of the Florida Statutes.

Please note that the Department did not request authorization for the federal sewage sludge management program. The EPA may issue sludge only permits for facilities with NPDES permits containing sludge management related permit conditions.

A person whose substantial interests are affected by the Department action may petition for an administrative hearing in accordance with sections 120.569 and 120.57 of the Florida Statutes, or all parties may reach a written agreement on mediation as an alternative remedy under section 120.573 before the deadline for filing a petition. Choosing mediation will not adversely affect the right to a hearing if mediation does not result in a settlement. The procedures for petitioning for a hearing are set forth below, followed by the procedures for pursuing mediation.

The petition must contain the information set forth below and must be filed (received) in the Department of Environmental Protection, Office of General Counsel, Mail Station 35, 3900 Commonwealth Boulevard, Tallahassee, Florida, 32399-3000. Petitions filed by the applicant or any of the parties listed below must be filed within fourteen days of receipt of this notice of intent. Petitions filed by any other person must be filed within fourteen days of publication of the public notice or within fourteen days of receipt of this notice of intent, whichever occurs first. A petitioner must 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 (or a request for mediation, as discussed below) 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 of the Florida Statutes, or to intervene in this proceeding and participate as a party to it. Any subsequent intervention will be only at the discretion of the presiding officer upon the filing of a motion in compliance with rule 28-5.207 of the Florida Administrative Code.

A petition must contain the following information:

- (a) The name, address, and telephone number of each petitioner; the Department case identification number and the county in which the subject matter or activity is located;
- (b) A statement of how and when each petitioner received notice of the Department action;
- (c) A statement of how each petitioner's substantial interests are affected by the Department action;
- (d) A statement of the material facts disputed by the petitioner, if any;
- (e) A statement of facts that the petitioner contends warrant reversal or modification of the Department action;
- (f) A statement of which rules or statutes the petitioner contends require reversal or modification of the Department action; and
- (g) A statement of the relief sought by the petitioner, stating precisely the action that the petitioner wants the Department to take.

ANNUAL FEE WORKSHEET

Domestic Wastewater

Facility Name: Miami Dade Water and Sewer Department North District Wastewater Treatment Plant
I.D. #: FLOO32182 DEP District: SOUTHEAST DISTRICT

PART I. Regular Surface Water Discharge

Scenario A:

- | | |
|---|------------------|
| 1. Permitted Capacity of Surface Water Discharge (MGD): | <u>112.4</u> |
| 2. Permitted Reuse Capacity for which surface water discharge serves as back-up: | <u>3.035</u> |
| 3. 70% of Permitted Reuse Capacity from 2. | <u>2.12</u> |
| 4. Adjusted Surface Water Discharge Permitted Capacity (Item 1 minus Item 3). | <u>110.3</u> |
| 5. Annual Fee for the capacity in item 4.
* Prorated amount for the calendar year 1997 | <u>\$ 5197 *</u> |

Scenario B:

- | | |
|--|------------|
| 1. UIC disposal with discharge authorized during Mechanical Integrity Test only, or percolation pond disposal with discharge authorized after specified storm events only, enter \$200 | <u>N/A</u> |
|--|------------|

PART II. Pretreatment

If this facility has an approved pretreatment program enter \$500.	<u>\$ 500</u>
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PART III. Stormwater-only Outfalls

Number of Stormwater-Only outfalls regulated in the NPDES permit.	<u>0</u>
Enter the amount equal to the number of Stormwater-Only Outfalls times \$200.	<u>0</u>

PART IV. Total Calculated Fee

TOTAL ANNUAL FEE (Sum of PART I fee from Scenario A or B, plus Parts II and III.)	<u>\$ 5697</u>
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Note: The annual fee will be the lesser of the amount in Part IV or the Statutory Cap of \$7,500.

PERMIT NO. FL0032182
Major POTW

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION IV

AUTHORIZATION TO DISCHARGE UNDER THE
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM

In compliance with the provisions of the Clean Water Act, as amended (33 U.S.C. 1251 et seq.; the "Act"),

Miami-Dade Water and Sewer Authority
P.O. Box 330316
Miami, Florida 33233-0316

is authorized to discharge from a facility located at

North District Wastewater Treatment Plant
2575 N.E. 151st Street
North Miami, Florida

to receiving waters named

The Atlantic Ocean

in accordance with effluent limitations, monitoring requirements and other conditions set forth herein. The permit consists of this cover sheet, Part I 4 pages, Part II 16 pages, Part III 5 pages, and Part IV 2 pages.

This permit became effective on September 15, 1987.

This modification will delete the mass limitations for BOD5 and TSS on Pg. I-1, will add monitoring requirements for total nitrogen and phosphorus on Pg. I-1, and will clarify items on Pg. I-2, I-3, and III-1.

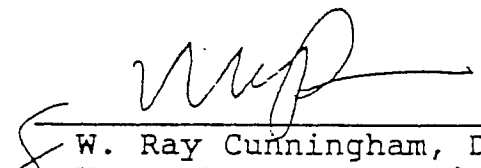
This modification shall become effective on June 1, 1991.

Only the modified pages are enclosed.

This permit and the authorization to discharge shall expire at midnight, September 14, 1992.

August 10, 1987
Date Issued

May 1, 1991
Date Modified


W. Ray Cunningham, Director
Water Management Division

PART I

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS - Final

1. These limitations are to be achieved by the effective date of the permit, and shall remain in effect until permit expiration for outfall Serial Number 001.

Such discharges shall be limited and monitored by the permittee as specified below:

<u>PARAMETERS</u>	<u>DISCHARGE LIMITATIONS</u>		<u>MONITORING REQUIREMENTS</u>		
	Other Units (Specify)		Measurement Frequency	Sample Type	Sampling Point
Flow, MGD	Annual Average	Monthly Average	Weekly Average		
	Report	Report	Report		
Biochemical Oxygen Demand (5 day)	30.0 mg/l	30.0 mg/l	45.0 mg/l	Continuous	Effluent
Total Suspended Solids	30.0 mg/l	30.0 mg/l	45.0 mg/l	24-hr. Composite	Effluent
Fecal Coliform Bacteria (#/100 ml)	See Item 2 on Page I-2			7 days/week	Effluent
pH	See Item 3 on Page I-2			7 days/week	Effluent
Total Residual Chlorine (report daily maximum - mg/l)				7 days/week	Effluent
Acute Whole Effluent Toxicity	See Item 7 on Page I-2			See Part IV	Effluent
Total Nitrogen, as N (mg/l)	--	Report	--	1/month	Effluent
Total Phosphorus, as P (mg/l)	--	Report	--	24-hr. Composite	Effluent

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location: nearest accessible point after final treatment but prior to discharge to the receiving water.

PART I (CONTINUATION)
EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

2. The permittee shall monitor the effluent for fecal coliform bacteria via grab sample, 7 days/week, and shall report the geometric mean of the samples collected in a given month as well the daily maximum value in a given month (#/100 ml).
3. The pH of the effluent shall not be less than 6.0 standard units nor greater than 8.5 standard units. If hourly grab samples are collected, such samples will be collected during the period of required operator attendance.
4. There shall be no discharge of floating solids or visible foam in other than trace amounts.
5. The effluent shall not cause a visible sheen on the receiving water.
6. Any bypass of the treatment facility which is not included in the effluent monitored above, is to be monitored for flow and all other parameters. For parameters other than flow, at least one grab sample per day shall be monitored. Daily flow shall be monitored or estimated, as appropriate, to obtain reportable data. All monitoring results shall be reported on a Discharge Monitoring Report (DMR) Form (3320-1).
7. The effluent collected at serial Outfall 001, when diluted to 30% full strength, shall not be lethal to more than 50% of appropriate test organisms in 96 hours (96 hr LC₅₀). The testing necessary to demonstrate compliance with this requirement is specified in Part IV of this permit. Failure to demonstrate compliance with this requirement will constitute a violation of Florida Administrative Code 17-4.244(4)(c) and the terms of this permit.
8. The excessive inflow/infiltration reduction project shall be completed by December 1, 1991.

- a. The discharge of pollutants from Outfall 001 shall not exceed the limiting permissible concentration for the liquid and suspended particulate phases of the waste material as described in Section 227.27(a)(2) and (3), Section 227.27(b), and Section 227.27(c) of the Ocean Dumping Criteria following dilution as measured at the edge of any regulatory mixing zone.
 - b. The discharge of pollutants from outfall 001 shall not exceed the limiting permissible concentration for the solid phase of the waste material or cause an accumulation of toxic materials in the human food chain as described in Section 227.27(b) and (d) of the Ocean Dumping Criteria.
10. The permittee shall develop and submit, for EPA review and approval within 90 days of the effective date of this permit, a monitoring program that will assess the initial dilution, mixing zone characteristics, and fecal coliform levels of the discharge from Outfall 001. EPA will review this monitoring program for consistency with the requirements of §125.123(d)(2). Upon EPA approval, the monitoring program and accompanying implementation schedule will become a part of this permit. If EPA concludes the monitoring program to be ineffective in evaluating the factors stated above, the permit shall be subject to modification, pursuant to 40 CFR §122.62 to incorporate revised requirements. Quarterly reports of progress regarding the monitoring program, its implementation, and resulting data shall be submitted to EPA concurrent with the DMR reports.
11. If the results for a given sample analysis are such that any parameter (other than fecal coliform) is not detected at or above the minimum level for the test method used, a value of zero will be used for that sample in calculating an arithmetic effluent mean value for the parameter. (In the case of fecal coliform, a value of 1.0 shall be used in calculating the geometric mean.)

B. SCHEDULE OF COMPLIANCE

1. The permittee shall achieve compliance with the effluent limitations specified for discharges in accordance with the following schedule:

Discharge 001:

Operational Level Attained.....Effective Date of Permit

2. No later than 14 calendar days following a date identified in the above schedule of compliance, the permittee shall submit either a report of progress or, in the case of specific actions being required by identified dates, a written notice of compliance or noncompliance. In the latter case, the notice shall include the cause of noncompliance, any remedial actions taken, and the probability of meeting the next scheduled requirement.

PART II

STANDARD CONDITIONS FOR NPDES PERMITS

SECTION A. GENERAL CONDITIONS

1. Duty to Comply

The permittee must comply with all conditions of this permit. Any permit noncompliance constitutes a violation of the Clean Water Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application.

2. Penalties for Violations of Permit Conditions

Any person who violates a permit condition is subject to a civil penalty not exceed \$10,000 per day of such violation. Any person who willfully or negligently violates permit conditions is subject to a fine of not less than \$2,500 nor more than \$25,000 per day of violation, or by imprisonment for not more than 1 year, or both.

3. Duty to Mitigate

The permittee shall take all reasonable steps to minimize or prevent any discharge in violation of this permit which has a reasonable likelihood of adversely affecting human health or the environment.

4. Permit Modification

After notice and opportunity for a hearing, this permit may be modified, terminated or revoked for cause (as described in 40 CFR 122.62 et seq) including, but not limited to, the following:

- a. Violation of any terms or conditions of this permit;
- b. Obtaining this permit by misrepresentation or failure to disclose fully all relevant facts;
- c. A change in any conditions that requires either temporary interruption or elimination of the permitted discharge; or
- d. Information newly acquired by the Agency indicating the discharge poses a threat to human health or welfare.

If the permittee believes that any past or planned activity would be cause for modification or revocation and reissuance under 40 CFR 122.62, the permittee must report such information to the Permit Issuing Authority. The submittal of a new application may be required of the permittee. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance, does not stay any permit condition.

5. Toxic Pollutants

Notwithstanding Paragraph A-4, above, if a toxic effluent standard or prohibition (including any schedule of compliance specified in such effluent standard or prohibition) is established under Section 307(a) of the Act for a toxic pollutant which is present in the discharge and such standard or prohibition is more stringent than any limitation for such pollutant in this permit, this permit shall be modified or revoked and reissued to conform to the toxic effluent standard or prohibition and the permittee so notified.

The permittee shall comply with effluent standards or prohibitions established under Section 307(a) of the Clean Water Act for toxic pollutants within the time provided in the regulations that establish those standards or prohibitions, even if the permit has not yet been modified to incorporate the requirement.

6. Civil and Criminal Liability

Except as provided in permit conditions on "Bypassing" Section B, Paragraph B-3, nothing in this permit shall be construed to relieve the permittee from civil or criminal penalties for noncompliance.

7. Oil and Hazardous Substance Liability

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities, or penalties to which the permittee is or may be subject under Section 311 of the Act.

8. State Laws

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities, or penalties established pursuant to any applicable State law or regulation under authority preserved by Section 510 of the Act.

9. Property Rights

The issuance of this permit does not convey any property rights of any sort, any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

10. Onshore or Offshore Construction

This permit does not authorize or approve the construction of any onshore or offshore physical structures or facilities or the undertaking of any work in any waters of the United States.

11. Severability

The provisions of this permit are severable, and if any provision of this permit, or the application of any provision of this permit to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby.

12. Duty to Provide Information

The permittee shall furnish to the Permit Issuing Authority, within a reasonable time, any information which the Permit Issuing Authority may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit or to determine compliance with this permit. The permittee shall also furnish to the Permit Issuing Authority upon request, copies of records required to be kept by this permit.

SECTION B. OPERATION AND MAINTENANCE OF POLLUTION CONTROLS

1. Proper Operation and Maintenance

The permittee shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the permittee to achieve compliance with the conditions of this permit. Proper operation and maintenance also includes adequate laboratory controls and appropriate quality assurance procedures. This provision requires the operation of back-up or auxiliary facilities or similar systems which are installed by a permittee only when the operation is necessary to achieve compliance with the conditions of the permit.

2. Need to Halt or Reduce not a Defense

It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the condition of this permit.

3. Bypass of Treatment Facilities

a. Definitions

- (1) "Bypass" means the intentional diversion of waste streams from any portion of a treatment facility, which is not a designed or established operating mode for the facility.

- (2) "Severe property damage" means substantial physical damage to property, damage to the treatment facilities which causes them to become inoperable, or substantial and permanent loss of natural resources which can reasonably be expected to occur in the absence of a bypass. Severe property damage does not mean economic loss caused by delays in production.

b. Bypass not exceeding limitations.

The permittee may allow any bypass to occur which does not cause effluent limitations to be exceeded, but only if it also is for essential maintenance to assure efficient operation. These bypasses are not subject to the provisions of Paragraphs c. and d. of this section.

c. Notice

- (1) Anticipated bypass. If the permittee knows in advance of the need for a bypass, it shall submit prior notice, if possible at least ten days before the date of the bypass, including an evaluation of the anticipated quality and effect of the bypass.
- (2) Unanticipated bypass. The permittee shall submit notice of an unanticipated bypass as required in Section D, Paragraph D-8 (24-hour notice).

d. Prohibition of bypass.

- (1) Bypass is prohibited and the Permit Issuing Authority may take enforcement action against a permittee for bypass, unless:
- (a) Bypass was unavoidable to prevent loss of life, personal injury, or severe property damage;
- (b) There were no feasible alternatives to the bypass, such as the use of auxiliary treatment facilities, retention of untreated wastes, or maintenance during normal periods of equipment downtime. This condition is not satisfied if adequate back-up equipment should have been installed in the exercise of reasonable engineering judgment to prevent a bypass which occurred during normal periods of equipment downtime or preventive maintenance; and
- (c) The permittee submitted notices as required under Paragraph c. of this section.
- (2) The Permit Issuing Authority may approve an anticipated bypass, after considering its adverse effects, if the Permit Issuing Authority determines that it will meet the three conditions listed above in Paragraph d.(1) of this section.

Upsets

"Upset" means an exceptional incident in which there is unintentional and temporary noncompliance with technology based permit effluent limitations because of factors beyond the reasonable control of the permittee. An upset does not include noncompliance to the extent caused by operational error, improperly designed treatment facilities, inadequate treatment facilities, lack of preventive maintenance, or careless or improper operation. An upset constitutes an affirmative defense to an action brought for non-compliance with such technology based permit limitation if the requirements of 40 CFR 122.41(n) (3) are met.

5. Removed Substances

This permit does not authorize discharge of solids, sludge, filter backwash, or other pollutants removed in the course of treatment or control of wastewaters to waters of the United States unless specifically limited in Part 1.

SECTION C. MONITORING AND RECORDS

1. Representative Sampling

Samples and measurements taken as required herein shall be representative of the volume and nature of the monitored discharge. All samples shall be taken at the monitoring points specified in this permit and, unless otherwise specified, before the effluent joins or is diluted by any other wastestream, body of water, or substance. Monitoring points shall not be changed without notification to and the approval of the Permit Issuing Authority.

2. Flow Measurements

Appropriate flow measurement devices and methods consistent with accepted scientific practices shall be selected and used to insure the accuracy and reliability of measurements of the volume of monitored discharges. The devices shall be installed, calibrated and maintained to insure that the accuracy of the measurements are consistent with the accepted capability of that type of device. Devices selected shall be capable of measuring flows with a maximum deviation of less than $\pm 10\%$ from the true discharge rates throughout the range of expected discharge volumes. Once-through condenser cooling water flow which is monitored by pump logs, or pump hour meters as specified in Part I of this permit and based on the manufacturer's pump curves shall not be subject to this requirement. Guidance in selection, installation, calibration and operation of acceptable flow measurement devices can be obtained from the following references:

1. "A Guide of Methods and Standards for the Measurement of Water Flow", U.S. Department of Commerce, National Bureau of Standards, NBS Special Publication 421, May 1975, 97 pp. (Available from the U.S. Government Printing Office, Washington, D.C. 20402. Order by SD catalog No. C13.10:421.)
2. "Water Measurement Manual", U.S. Department of Interior, Bureau of Reclamation, Second Edition, Revised Reprint, 1974, 327 pp.

- (3) "Flow Measurement in Open Channels and Closed Conduits", U.S. Department of Commerce, National Bureau of Standards, NBS Special Publication 484, October 1977, 982 pp. (Available in paper copy or microfiche from National Technical Information Service (NTIS), Springfield, VA 22151. Order by NTIS No. PB-273 535/5ST.)
- (4) "NPDES Compliance Flow Measurement Manual", U.S. Environmental Protection Agency, Office of Water Enforcement, Publication MCD-77, September 1981, 135 pp. (Available from the General Services Administration (GSA), Centralized Mailing Lists Service, Building 41, Denver Federal Center, Denver, CO 80225.)

3. Monitoring Procedures

Monitoring must be conducted according to test procedures approved under 40 CFR Part 136, unless other test procedures have been specified in this permit.

4. Penalties for Tampering

The Clean Water Act provides that any person who falsifies, tampers with, or knowingly renders inaccurate, any monitoring device or method required to be maintained under this permit shall, upon conviction, be punished by a fine of not more than \$10,000 per violation, or by imprisonment for not more than 6 months per violation, or by both.

5. Retention of Records

The permittee shall retain records of all monitoring information, including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation, copies of all reports required by this permit, and records of all data used to complete the application for this permit, for a period of at least 3 years from the date of the sample, measurement, report or application. This period may be extended by the Permit Issuing Authority at any time.

6. Record Contents

Records of monitoring information shall include:

- a. The date, exact place, and time of sampling or measurements;
- b. The individual(s) who performed the sampling or measurements;
- c. The date(s) analyses were performed;
- d. The individual(s) who performed the analyses;
- e. The analytical techniques or methods used; and
- f. The results of such analyses.

Inspection and Entry

Permittee shall allow the Permit Issuing Authority, or an authorized representative, upon the presentation of credentials and other documents as required by law, to:

- a. Enter upon the permittee's premises where a regulated facility or activity is located or conducted, or where records must be kept under the conditions of this permit;
- b. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;
- c. Inspect at reasonable time any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this permit; and
- d. Sample or monitor at reasonable times, for the purposes of assuring permit compliance or as otherwise authorized by the Clean Water Act, any substances or parameters at any location.

SECTION D. REPORTING REQUIREMENTS

1. Change in Discharge

The permittee shall give notice to the Permit Issuing Authority as soon as possible of any planned physical alterations or additions to the permitted facility. Notice is required only when:

- a. The alteration or addition to a permitted facility may meet one of the criteria for determining whether a facility is a new source; or
- b. The alteration or addition could significantly change the nature or increase the quantity of pollutants discharged. This notification applies to pollutants which are subject neither to effluent limitations in the permit, nor to notification requirements under Section D, Paragraph D-10(a).

2. Anticipated Noncompliance

The permittee shall give advance notice to the Permit Issuing Authority of any planned change in the permitted facility or activity which may result in noncompliance with permit requirements. Any maintenance of facilities, which might necessitate unavoidable interruption of operation and degradation of effluent quality, shall be scheduled during noncritical water quality periods and carried out in a manner approved by the Permit Issuing Authority.

3. Transfer of Ownership or Control

A permit may be automatically transferred to another party if:

- a. The permittee notifies the Permit Issuing Authority of the proposed transfer at least 30 days in advance of the proposed transfer date;
- b. The notice includes a written agreement between the existing and new permittees containing a specific date for transfer of permit responsibility, coverage, and liability between them; and
- c. The Permit Issuing Authority does not notify the existing permittee of his or her intent to modify or revoke and reissue the permit. If this notice is not received, the transfer is effective on the date specified in the agreement mentioned in paragraph b.

4. Monitoring Reports

See Part III of this permit.

5. Additional Monitoring by the Permittee

If the permittee monitors any pollutant more frequently than required by this permit, using test procedures approved under 40 CFR 136 or as specified in this permit, the results of this monitoring shall be included in the calculation and reporting of the data submitted in the Discharge Monitoring Report (DMR). Such increased frequency shall also be indicated.

6. Averaging of Measurements

Calculations for limitations which require averaging of measurements shall utilize an arithmetic mean unless otherwise specified by the Permit Issuing Authority in the permit.

7. Compliance Schedules

Reports of compliance or noncompliance with, or any progress reports on, interim and final requirements contained in any compliance schedule of this permit shall be submitted no later than 14 days following each schedule date. Any reports of noncompliance shall include the cause of noncompliance, any remedial actions taken, and the probability of meeting the next scheduled requirement.

8. Twenty-Four Hour Reporting

The permittee shall orally report any noncompliance which may endanger health or the environment, within 24 hours from the time the permittee becomes aware of the circumstances. A written submission shall also be provided within 5 days of the time the permittee becomes aware of the circumstances. The written submission shall contain a description of the noncompliance and its cause, the period of noncompliance, including exact dates and times; and if the noncompliance has not been corrected, the anticipated time it is expected to continue, and steps taken or planned to reduce, eliminate, and prevent recurrence of the noncompliance. The Permit Issuing Authority may verbally waive the written report, on a case-by-case basis, when the oral report is made.

The following violations shall be included in the 24 hour report when they might endanger health or the environment:

- a. An unanticipated bypass which exceeds any effluent limitation in the permit.
- b. Any upset which exceeds any effluent limitation in the permit.

9. Other Noncompliance

The permittee shall report in narrative form, all instances of noncompliance not previously reported under Section D, Paragraphs D-2, D-4, D-7, and D-8 at the time monitoring reports are submitted. The reports shall contain the information listed in Paragraph D-8.

10. Changes in Discharges of Toxic Substances

The permittee shall notify the Permit Issuing Authority as soon as it knows or has reason to believe:

- a. That any activity has occurred or will occur which would result in the discharge, on a routine or frequent basis, of any toxic substance(s) (listed at 40 CFR 122, Appendix D, Table II and III) which is not limited in the permit, if that discharge will exceed the highest of the following "notification levels":
 - (1) One hundred micrograms per liter (100 ug/l);
 - (2) Two hundred micrograms per liter (200 ug/l) for acrolein and acrylonitrile; five hundred micrograms per liter (500 ug/l) for 2,4-dinitrophenol and for 2-methyl-4,6-dinitrophenol; and one milligram per liter (1 mg/l) for antimony; or
 - (3) Five (5) times the maximum concentration value reported for that pollutant(s) in the permit application.

- b. That any activity has occurred or will occur which would result in any discharge, on a non-routine or infrequent basis, of a toxic pollutant (listed at 40 CFR 122, Appendix D, Table II and III) which is not limited in the permit, if that discharge will exceed the highest of the following "notification levels":

- (1) Five hundred micrograms per liter (500 ug/l);
- (2) One milligram per liter (1 mg/l) for antimony; or
- (3) Ten (10) times the maximum concentration value reported for that pollutant(s) in the permit application.

11. Duty to Reapply

If the permittee wishes to continue an activity regulated by this permit after the expiration date of this permit, the permittee must apply for and obtain a new permit. The application should be submitted at least 180 days before the expiration date of this permit. The Permit Issuing Authority may grant permission to submit an application less than 180 days in advance but not later than the permit expiration date.

Where EPA is the Permit Issuing Authority, the terms and conditions of this permit are automatically continued in accordance with 40 CFR 122.6, only where the permittee has submitted a timely and sufficient application for a renewal permit and the Permit Issuing Authority is unable through no fault of the permittee to issue a new permit before the expiration date.

12. Signatory Requirements

All applications, reports, or information submitted to the Permit Issuing Authority shall be signed and certified.

- a. All permit applications shall be signed as follows:

- (1) For a corporation: by a responsible corporate officer. For the purpose of this Section, a responsible corporate officer means: (1) a president, secretary, treasurer or vice president of the corporation in charge of a principal business function, or any other person who performs similar policy - or decision-making functions for the corporation, or (2) the manager of one or more manufacturing production or operating facilities employing more than 250 persons or having gross annual sales or expenditures exceeding 25 million (in second quarter 1980 dollars), if authority to sign documents has been assigned or delegated to the manager in accordance with corporate procedures.
- (2) For a partnership or sole proprietorship: by a general partner or the proprietor, respectively; or
- (3) For a municipality, State, Federal, or other public agency: by either a principal executive officer or ranking elected official.

- b. All reports required by the permit and other information requested by the Permit Issuing Authority shall be signed by a person described above or by a duly authorized representative of that person. A person is a duly authorized representative only if:

- (1) The authorization is made in writing by a person described above;
- (2) The authorization specifies either an individual or a position having responsibility for the overall operation of the regulated facility or activity, such as the position of plant manager, operator of a well or a well field, superintendent, position of equivalent responsibility, or an individual of position having overall responsibility for environmental matters for the company. (A duly authorized representative may thus be either a named individual or any individual occupying a named position.); and
- (3) The written authorization is submitted to the Permit Issuing Authority.

c. Certification. Any person signing a document under paragraphs (a) or (b) of this section shall make the following certification:

"I certify under penalty of law that this document and all attachments were prepared under the direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

13. Availability of Reports

Except for data determined to be confidential under 40 CFR Part 2, all reports prepared in accordance with the terms of this permit shall be available for public inspection at the offices of the Permit Issuing Authority. As required by the Act, permit applications, permits and effluent data shall not be considered confidential.

14. Penalties for Falsification of Reports

The Clean Water Act provides that any person who knowingly makes any false statement, representation, or certification in any record or other document submitted or required to be maintained under this permit, including monitoring reports or reports of compliance or noncompliance shall, upon conviction, be punished by a fine of not more than \$10,000 per violation, or by imprisonment for not more than 6 months per violation, or by both.

SECTION E. DEFINITIONS

Permit Issuing Authority

The Regional Administrator of EPA Region IV or his designee, unless at some time in the future the State receives authority to administer the NPDES program and assumes jurisdiction over the permit; at which time, the Director

2. Act

"Act" means the Clean Water Act (formerly referred to as the Federal Water Pollution Control Act) Public Law 92-500, as amended by Public Law 95-217 and Public Law 95-576, 33 U.S.C. 1251 et seq.

3. Mass/Day Measurements

- a. The "average monthly discharge" is defined as the total mass of all daily discharges sampled and/or measured during a calendar month on which daily discharges are sampled and measured, divided by the number of daily discharges sampled and/or measured during such month. It is therefore, an arithmetic mean found by adding the weights of the pollutant found each day of the month and then dividing this sum by the number of days the tests were reported. The limitation is identified as "Daily Average" or "Monthly Average" in Part I of the permit and the average monthly discharge value is reported in the "Average" column under "Quantity" on the Discharge Monitoring Report (DMR).
- b. The "average weekly discharge" is defined as the total mass of all daily discharges sampled and/or measured during the calendar week on which daily discharges are sampled and measured, divided by the number of daily discharges sampled and/or measured during such week. It is, therefore, an arithmetic mean found by adding the weights of pollutants found each day of the week and then dividing this sum by the number of days the tests were reported. This limitation is identified as "Weekly Average" in Part I of the permit and the average weekly discharge value is reported in the "Maximum" column under "Quantity" on the DMR.
- c. The "maximum daily discharge" is the total mass (weight) of a pollutant discharged during a calendar day. If only one sample is taken during any calendar day the weight of pollutant calculated from it is the "maximum daily discharge". This limitation is identified as "Daily Maximum", in Part I of the permit and the highest such value recorded during the reporting period is reported in the "Maximum" column under "Quantity" on the DMR.
- d. The "average annual discharge" is defined as the total mass of all daily discharges sampled and/or measured during the calendar year on which daily discharges are sampled and measured, divided by the number of daily discharges sampled and/or measured during such year. It is, therefore, an arithmetic mean found by adding the weights of pollutants found each day of the year and then dividing this sum by the number of days the tests were reported. This limitation is defined as "Annual Average" in Part I of the permit and the average annual discharge value is reported in the "Average" column under "Quantity" on the DMR. The DMR for this report shall be submitted in January for the previous reporting calendar year.

4. Concentration Measurements

- a. The "average monthly concentration", other than for fecal coliform bacteria, is the sum of the concentrations of all daily discharges sampled and/or measured during a calendar month on which daily discharges are sampled and measured, divided by the number of daily discharges sampled and/or measured during such month (arithmetic mean of the daily concentration values). The daily concentration value is equal to the concentration of a composite sample or in the case of grab samples is the arithmetic mean (weighted by flow value) of all the samples collected during that calendar day. The average monthly count for fecal coliform bacteria is the geometric mean of the counts for samples collected during a calendar month. This limitation is identified as "Monthly Average" or "Daily Average" under "Other Limits" in Part I of the permit and the average monthly concentration value is reported under the "Average" column under "Quality" on the DMR.

The "average weekly concentration", other than for fecal coliform bacteria, is the sum of the concentrations of all daily discharges sampled and/or measured during a calendar week on which daily discharges are sampled and measured divided by the number of daily discharges sampled and/or measured during such week (arithmetic mean of the daily concentration values). The daily concentration value is equal to the concentration of a composite sample or in the case of grab samples is the arithmetic mean (weighted by flow value) of all the samples collected during that calendar day. The average weekly count for fecal coliform bacteria is the geometric mean of the counts for samples collected during a calendar week. This limitation is identified as "Weekly Average" under "Other Limits" in Part I of the permit and the average weekly concentration value is reported under the "Maximum" column under "Quality" on the DMR.

- c. The "maximum daily concentration" is the concentration of a pollutant discharge during a calendar day. It is identified as "Daily Maximum" under "Other Limits" in Part I of the permit and the highest such value recorded during the reporting period is reported under the "Maximum" column under "Quality" on the DMR.

- d. The "average annual concentration", other than for fecal coliform bacteria, is the sum of the concentrations of all daily discharges sampled and/or measured during a calendar year on which daily discharges are sampled and measured divided by the number of daily discharges sampled and/or measured during such year (arithmetic mean of the daily concentration values). The daily concentration value is equal to the concentration of a composite sample or in the case of grab samples is the arithmetic mean (weighted by flow value) of all the samples collected during that calendar day. The average yearly count for fecal coliform bacteria is the geometric mean of the counts

for samples collected during a calendar year. This limitation is identified as "Annual Average" under "Other Limits" in Part I of the permit and the average annual concentration value is reported under the "Average" column under "Quality" on the DMR. The DMR for this report shall be submitted in January for the previous reporting year.

5. Other Measurements

- a. The effluent flow expressed as M^3/day (MGD) is the 24 hour average flow averaged monthly. It is the arithmetic mean of the total daily flows recorded during the calendar month. Where monitoring requirements for flow are specified in Part I of the permit the flow rate values are reported in the "Average" column under "Quantity" on the DMR.
- b. An "instantaneous flow measurement" is a measure of flow taken at the time of sampling, when both the sample and flow will be representative of the total discharge.
- c. Where monitoring requirements for pH, dissolved oxygen or fecal coliform bacteria are specified in Part I of the permit, the values are generally reported in the "Quality or Concentration" column on the DMR.

6. Types of Samples

- a. Composite Sample: A "composite sample" is a combination of not less than 8 influent or effluent portions, of at least 100 ml, collected over the full time period specified in Part I.A. The composite sample must be flow proportioned by either time interval between each aliquot or by volume as it relates to effluent flow at the time of sampling or total flow since collection of the previous aliquot. Aliquots may be collected manually or automatically.
- b. Grab Sample: A "grab sample" is a single influent or effluent portion which is not a composite sample. The sample(s) shall be collected at the period(s) most representative of the total discharge.

7. Calculation of Means

- a. Arithmetic Mean: The arithmetic mean of any set of values is the summation of the individual values divided by the number of individual values.
- b. Geometric Mean: The geometric mean of any set of values is the N th root of the product of the individual values where N is equal to the number of individual values. The geometric mean is equivalent to the antilog of the arithmetic mean of the logarithms of the individual values. For purposes of calculating the geometric mean, values of zero (0) shall be considered to be one (1).

- c. Weighted by Flow Value: Weighted by flow value means the summation of each concentration times its respective flow divided by the summation of the respective flows.

8. Calendar Day

A calendar day is defined as the period from midnight of one day until midnight of the next day. However, for purposes of this permit, any consecutive 24-hour period that reasonably represents the calendar day may be used for sampling.

9. Hazardous Substance

A hazardous substance means any substance designated under 40 CFR Part 116 pursuant to Section 311 of the Clean Water Act.

10. Toxic Pollutant

A toxic pollutant is any pollutant listed as toxic under Section 307(a)(1) of the Clean Water Act.

Part III

Other Requirements

A. Reporting of Monitoring Results

Monitoring results obtained for each calendar month shall be summarized for that month and reported on a Discharge Monitoring Report Form (EPA No. 3320-1), postmarked no later than the 28th day of the month following the completed calendar month. (For example, data for January shall be submitted by February 28.) Duplicate signed copies of these, and all other reports required by Section D of Part II, Reporting Requirements, shall be submitted to the Permit Issuing Authority at the following address:

Environmental Protection Agency
Region IV
Compliance Section
Facilities Performance Branch
Water Management Division
345 Courtland Street, N.E.
Atlanta, GA 30365

If no discharge occurs during the reporting period, sampling requirements of this permit do not apply. The statement "No Discharge" shall be written on the DMR form. If, during the term of this permit, the facility ceases discharge to surface waters, the Permit Issuing Authority and the State shall be notified immediately upon cessation of discharge. This notification shall be in writing.

B. Reopener Clause

This permit shall be modified, or alternatively, revoked and reissued, to comply with any applicable effluent standard or limitation issued or approved under Sections 301(b)(2)(C) and (D), 307(a)(2), and 405(d)(2)(D) of the Clean Water Act, as amended, if the effluent standard, limitation, or sludge disposal requirement so issued or approved:

- a. Contains different conditions or is otherwise more stringent than any condition in the permit; or
- b. Controls any pollutant or disposal method not addressed in the permit.

The permit as modified or reissued under this paragraph shall also contain any other requirements of the Act then applicable.

In accordance with regulations promulgated under Section 403 (40 CFR Part 125.123(d)(4)) of the Clean Water Act, this permit shall also be modified or revoked at any time if, on the basis of any new data or information, the Regional Administrator determines that continued discharges may cause unreasonable degradation of the marine environment.

PRETREATMENT

1. Program Requirements

- a. The permittee shall be responsible for the performance of all pretreatment requirements contained in 40 CFR Part 403 and shall be subject to enforcement actions, penalties, fines and other remedies by the U.S. Environmental Protection Agency (EPA), or other appropriate parties, as provided in the Clean Water Act, as amended (33 USC 1351 et seq.) (hereafter "Act"). The permittee shall implement and enforce its Approved POTW Pretreatment Program. The permittee's Approved POTW Pretreatment Program is hereby made an enforceable condition of this permit. EPA may initiate enforcement action against an industrial user for noncompliance with applicable standards and requirements as provided in the Act.
- b. The permittee shall enforce the requirements promulgated under sections 307(b), 307(c), 307(d) and 402(b) of the Act. The permittee shall cause industrial users subject to Federal Categorical Standards to achieve compliance no later than the date specified in those requirements or, in the case of a new industrial user, upon commencement of the discharge.
- c. The permittee shall perform the pretreatment functions as required in 40 CFR Part 403 including, but not limited to:
 - (1) Implement the necessary legal authorities as provided in 40 CFR 403.8(f)(1). This includes, among other things, the authority to:
 - a. Deny or condition new or increased contributions of pollutants, or changes in the nature of pollutants [403.8(f)(1)(i)];
 - b. Require compliance with applicable pretreatment standards [403.8(f)(1)(ii)]. This includes general prohibitions [403.5(a)], specific prohibitions [403.5(b)], locally developed limits [403.5(c) and (d)], and national categorical limits [403.6];
 - c. Control through permit, contract, order, or similar means, to ensure compliance [403.8(f)(1)(iii)];
 - d. Require development of compliance schedules and submission of reports [403.8(f)(1)(iv)];
 - e. Carry out inspection, surveillance, and monitoring procedures [403.8(f)(1)(v)]; and
 - f. Obtain remedies for noncompliance by industrial users [403.8(f)(1)(vi)].

- (2) Implement the programmatic functions as provided in 40 CFR 403.8(f)(2). This includes:
 - a. An industrial waste survey [403.8(f)(2)(i) and (ii)];
 - b. Notification of appropriate Federal, State and/or Local Standards or Limitations [403.8(f)(2)(iii)];
 - c. Receipt and analysis of self-monitoring reports and other notices [403.8(f)(2)(iv)];
 - d. POTW compliance sampling and analysis [403.8(f)(2)(v)];
 - e. Noncompliance investigations and enforcement [403.8(f)(2)(vi)]; and
 - f. Public participation [403.8(f)(2)(vii) and 403.5(c)(3)].
- (3) Provide the required funding, equipment, and personnel to implement the pretreatment program as provided in 40 CFR 403.8(f)(3) and 403.9(b)(3).

Annual Reporting

- a. The permittee shall submit annually a report to EPA Region IV and the State describing the permittee's pretreatment activities over the previous twelve months. In the event that the permittee is not in compliance with any conditions or requirements of this permit, then the permittee shall also include the reasons for noncompliance and state how and when the permittee shall comply with such conditions and requirements. This annual report is due on _____ of each year and shall contain, but not be limited to, the following information:
 - (1) A summary of analytical results of the POTW's influent, effluent, and sludge for those pollutants EPA has identified under Section 307(a) of the Act which are known or suspected to be discharged by industrial users, and for any nonpriority pollutants which the permittee believes may be causing or contributing to Interference, Pass Through or adversely impacting sludge quality.
 - (2) A discussion of Upset, Interference, or Pass Through incidents, if any, at the POTW treatment plant which the permittee knows or suspects were caused by industrial users of the POTW system. The discussion shall include the reasons why the incidents occurred, the corrective actions taken and, if known, the name and address of the industrial user(s) responsible.

- (3) The cumulative number of industrial users that the permittee has notified regarding Baseline Monitoring Reports and the cumulative number of industrial user responses.
- (4) An updated list of the permittee's industrial users including their names and addresses, or a list of deletions and additions keyed to a previously submitted list. The permittee shall provide a brief explanation for each deletion. The list shall identify the industrial users subject to Federal Categorical Standards and which set(s) of standards are applicable. The permittee shall characterize the compliance status of each industrial user by employing the following descriptions:
 - a. In compliance with Baseline Monitoring Report requirements (where applicable);
 - b. Consistently achieving compliance;
 - c. Inconsistently achieving compliance;
 - d. Significantly violated applicable pretreatment requirements as defined by 40 CFR 403.8(f)(2)(vii);
 - e. On a compliance schedule to achieve compliance (include the date final compliance is required);
 - f. Not achieving compliance and not on a compliance schedule;
 - g. The permittee does not know the industrial user's compliance status.
- (5) A summary of the inspection and sampling activities conducted by the permittee during the past year to gather information and data regarding industrial users. The summary shall include:
 - a. The names and addresses of the industrial users subject to surveillance by the permittee and an indication of whether they were inspected, sampled, or both and the frequency of these activities at each user; and
 - b. The conclusions or results from the inspection or sampling of each industrial user.
- (6) A summary of the compliance and enforcement activities during the past year. The summary shall include the names and addresses of the industrial users affected by the following actions:
 - a. Warning letters or notices of violation;

- b. Administrative Orders;
 - c. Civil actions;
 - d. Criminal actions;
 - e. Assessment of monetary penalties. For each industrial user identify the amount of the penalties;
 - f. Restriction of flow to the POTW; or
 - g. Disconnection from discharge to the POTW.
- (7) A description of any significant changes in operating the pretreatment program which differ from the information in the permittee's Approved POTW Pretreatment Program including, but not limited to changes concerning: the program's administrative structure; local industrial discharge limitations; monitoring program or monitoring frequencies; legal authority or enforcement policy; funding mechanisms; resource requirements; or staffing levels.
 - (8) A summary of the annual pretreatment budget, including the cost of pretreatment program functions and equipment purchases.
 - (9) A summary of public participation activities to involve and inform the public. This shall include a copy of the annual publication of significant violations, if such publication was needed to comply with 403.8(f)(2)(vii)
 - (10) A description of any changes in sludge disposal methods and a discussion of any concerns not described elsewhere in the report.
- b. Duplicate signed copies of these reports shall be submitted to the EPA and the State at the addresses shown in Part III.A.

C. Reopener Clauses

1. In accordance with regulations promulgated under Section 403 (40 CFR Part 125.123(d)(4)) of the Clean Water Act, in addition to any other grounds specified in 40 CFR Part 125, this permit shall be modified or revoked at any time if, on the basis of any new data or information, the Regional Administrator determines that continued discharges may cause unreasonable degradation of the marine environment.

Part IV
Biomonitoring Program

In accordance with Part I of this permit, the permittee shall initiate the series of tests described below within 90 days of the effective date of this Part to evaluate wastewater toxicity of the discharge from outfall 001.

1. The permittee shall conduct 48-hour static renewal toxicity tests using the Mysid shrimp (Mysidopsis bahia) and the inland silverside (Menidia beryllina) or any other species approved by EPA. Tests shall be conducted once every two months for a period of one year following the initiation of the tests and once every six months thereafter for the duration of the permit using samples of post-chlorinated effluent. Four separate grab samples shall be collected at evenly-spaced (6 hr.) intervals over a 24-hour period and used in four separate tests in order to catch any peaks of toxicity and to account for daily variations in effluent quality. Concurrent total residual chlorine measurements on post-chlorinated effluent shall be conducted. Results of all tests conducted with any species shall be reported according to EPA/600/4-85/013, Section 13, Report Preparation and Data Utilization, and shall be submitted to EPA with the monthly discharge monitoring report.
2. If lethality (less than 50% survival of test organisms in 30% effluent) is found in any test of final effluent, this will constitute a violation of this permit. The permittee will then be subject to the enforcement provisions of the Clean Water Act. In the event a violation of toxicity limits results in an enforcement action, any different or more stringent monitoring requirements imposed in that enforcement action shall apply in lieu of the requirements of this permit condition for whatever period of time is specified by EPA in the enforcement action.
3. All test organisms, procedures, and quality assurance criteria used shall be in accordance with Methods for Measuring the Acute Toxicity of Effluents to Freshwater and Marine Organisms, EPA-600/4-85-013. A standard reference toxicant quality assurance test shall be conducted concurrently with each set of toxicity tests and its results submitted with the monthly discharge monitoring report.



Environmental Protection

SECTION II

Lawton Chiles
Governor

Southeast District
P.O. Box 15425
West Palm Beach, Florida 33416
NOTICE OF PERMIT

Telephone: 407/433-2650

Virginia B. Wetherell
Secretary

OCT 30 1995

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. Anthony J. Clemente, Director
Miami Dade Water And Sewer Department
3575 S. LeJeune Road
Miami, Florida 33146

Dade County
DW - Miami Dade Water and Sewer Department
(MDWASD) North District Wastewater Treatment
Facility (WWTF)

Dear Mr. Clemente:

Enclosed is Permit Number DT 13-234453; to temporarily operate the subject WWTF, issued pursuant to Sections 403.087 and 403.088, Florida Statutes (F.S.).

Any party to this Order (permit) has the right to seek judicial review of the permit pursuant to Section 120.68, F.S., by the filing of a Notice of Appeal pursuant to Rule 9.110, Florida Rules of Appellate Procedure, with the Clerk of the Department in the Office of General Counsel, 2600 Blair Stone Road, Tallahassee, Florida 32399-2400; 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 of Appeal must be filed within 30 days from the date this Notice is filed with the Clerk of the Department.

If you have any questions please contact Michael W. Bechtold at telephone number (407) 433-2650, ext. 162.

Executed in West Palm Beach, Florida.

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Carlos Rivero-deAguilar

10/30/95

Carlos Rivero-deAguilar
Director of District Management
Post Office Box 15425
West Palm Beach, FL 33416

Date

MVT 10 JPM
CRA/AM/MVT/MWB/JPM/234453

cc: Lynette Ciardulli, DEP/Tallahassee
John Petronio, Compliance/Enforcement, DEP/WPB
Elsa Potts, DEP/Tallahassee

Jose Lopez, DERM
William Brant, MDWASD

CERTIFICATE OF SERVICE

This is to certify that this NOTICE OF PERMIT and all copies were mailed before close of business on OCT 30 1995 to the listed persons.
Clerk Stamp

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

Linda Schappat

Clerk

OCT 30 1995

Date

"Protect, Conserve and Manage Florida's Environment and Natural Resources"



Department of Environmental Protection

Lawton Chiles
Governor

Southeast District
P.O. Box 15425
West Palm Beach, Florida 33416
Telephone: 407/433-2650

Virginia B. Wetherell
Secretary

PERMITTEE:

Miami Dade Water And Sewer Department
CO: Mr. Anthony J. Clemente, Director
3575 S. LeJeune Road
Miami, Florida 33146

I.D. NUMBER: 5013M02271

PERMIT/CERTIFICATION NUMBERS: DT 13-234453

DATE OF ISSUE: OCT 30 1995

EXPIRATION DATE: OCT 30 2000

COUNTY: Dade

LATITUDE/LONGITUDE: 25°55'04"N/80°09'12"W

SECTION/TOWNSHIP/RANGE: 16/52S/42E

PROJECT: Miami Dade Water and Sewer Department (MDWASD)
North District Wastewater Treatment Facility (WWTF)

This permit is issued under the provisions of Sections 403.087 and 403.088, Florida Statutes, and Florida Administrative Code (F.A.C.) Chapters 62-4, 62-600, 62-610, 62-302, 62-601, 62-640, 62-699 and 62-602. The above named permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans, and other documents attached hereto or on file with the Department and made a part hereof and specifically described as follows:

TO TEMPORARILY OPERATE: A pure oxygen activated sludge WWTF. Treatment components include:

1. Three (3) aerated grit chambers each with an average water depth of 13 feet (ft.), a width of 22.67 ft. and a length of 64 ft.
2. Nine (9) screens each with a width of six (6) ft.
3. Five (5) primary settling tanks each having a diameter of 160 ft., a weir length of 500 ft., and a side water depth (SWD) of 12 ft. There are two (2) primary sludge pumps for each tank with each pump having a capacity of 350 gallons per minute (gpm). There are six (6) primary tank scum pumps each having a capacity of 100 gpm.
4. Five (5) oxygenation tanks each having a capacity of 1.56 million gallons (MG) .
5. Ten (10) secondary clarifiers each having a diameter of 160 ft., a SWD of 12 ft., a surface area of 20,100 square feet (sq. ft.) and a weir length of 500 ft. There are eight (8) return activated sludge pumps each with a capacity of 10 million gallons per day (MGD) at 40 ft. total dynamic head (TDH). There are three (3) variable speed waste activated sludge pumps each having a capacity, at maximum speed, of 150 gpm at a TDH of 29 ft. There are six (6) constant speed waste activated sludge pumps each having a capacity of 550 gpm at a TDH of 60 ft. There are six (6) secondary clarifier scum pumps each having a capacity of 80 gpm at a TDH of 44 ft.
6. Four (4) sludge transfer pumps each having a capacity of 3 MGD at a TDH of 300 ft.
7. Two (2) oxygen generation facilities each having a capacity of 50 tons per day and an oxygen purity of 95 percent. Also included is one (1) oxygen storage tank with a capacity of 300 tons.
8. Nine (9) chlorinators and nine (9) evaporators.
9. An outfall pipe that is 90 inches in diameter and discharges approximately 11,000 off shore at a water depth of approximately 108 ft. Also included are six (6) variable speed effluent pumps each rated at a capacity of 75 MGD at a TDH of 47 feet.
10. Five (5) emergency power generators each rated at 2,750 kilowatts.

"Protect, Conserve and Manage Florida's Environment and Natural Resources"

Page 1 of 12

Printed on recycled paper.

PERMITTEE:
Miami Dade Water And Sewer Department
Mr. Anthony J. Clemente, Director

I.D. NUMBER: 5013M02271
PERMIT/CERTIFICATION NUMBERS: DT 13-234453
DATE OF ISSUE: OCT 30 1995
EXPIRATION DATE: OCT 30 2000

* Based on the components listed above, the rated capacity of the wastewater treatment plant (WWTP) is 112.5 MGD. This permit allows a temporary increase in discharge to the Atlantic Ocean up to 112.5 MGD annual average daily flow for a maximum of three (3) years (see Specific Conditions).

A 20 MGD expansion of the WWTP has been authorized by permit number DC 13-207137. Effluent disposal for the expansion is to be by deep well injection. Permit number DC 13-207137 authorized construction of the following:

1. One (1) domed primary clarifier, 160 ft. in diameter with a SWD of 12 ft., a surface area of 20,100 sq. ft. and a weir length of 500 ft.
2. One (1) oxygenation tank.
3. Two (2) domed clarifiers each 160 ft. in diameter with a SWD of 12 ft., a surface area of 20,100 sq. ft. and a weir length of 500 ft.
4. A 2,750 kilowatt stand-by power generator.
5. Two (2) effluent pumps each rated for 75 MGD at a TDH of 47 ft.
6. One (1) residual transfer pump with a capacity of 3 MGD at a TDH of 300 ft.
7. Two (2) chlorine evaporators.
8. Three (3) odor control scrubbers; one (1) for the primary clarifier and two (2) for the secondary clarifiers.
9. Three flow meters, one for each of the following; plant influent, primary sludge and return sludge.

IN ACCORDANCE WITH: The application, DER Form 62-600.910(1), and supporting documentation received July 12, 1993, and additional information received September 16, 20, 24 and 27, November 22, December 1, 1993, and January 21 and 26, 1994. The public notice was published in the Miami Daily Business Review on March 3, 1994.

LOCATED AT: 2575 Northeast 151st Street (Biscayne Boulevard and Northeast 151st Street), North Miami, Dade County.

TO SERVE: The North District service area and flows routed to the WWTF from the other service areas.

SUBJECT TO: General Conditions 1 - 15 and Specific Conditions 1 - 17

GENERAL CONDITIONS:

1. The terms, conditions, requirements, limitations and restrictions set forth in this permit, are "permit conditions" and are binding and enforceable pursuant to Sections 403.141, 403.727, or 403.859 through 403.861, Florida Statutes (F.S.). 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.
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, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the Department.
3. As provided in subsections 403.087(6) and 403.722(5), F.S., the issuance of this permit does not convey any 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 of or approval of any other Department permit that may be required for other aspects of the total project which are not addressed in this permit.
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.
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.
6. The permittee shall properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed and used by the permittee to achieve compliance with the conditions of the permit, and are 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.
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 reasonable times, access to the premises where the permitted activity is located or conducted to:
 - (a) Have access to and copy any records that must be kept under 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.
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 noncompliance; and
 - (b) The period of noncompliance, including dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance. 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.

GENERAL CONDITIONS:

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 Section 403.111 and 403.73, F.S. Such evidence shall only be used to the extent it is consistent with the Florida Rules of Civil Procedure and appropriate evidentiary rules.
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.
11. This permit is transferable only upon Department approval in accordance with Rules 62-4.120 and 62-30.300, Florida Administrative Code (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.
12. This permit or a copy thereof shall be kept at the work site of the permitted activity.
13. This permit also constitutes:
- () Determination of Best Available Control Technology (BACT).
 - () Determination of Prevention of Significant Deterioration (PSD).
 - () Certification of compliance with State Water Quality Standards (Section 401, PL 92-500).
 - () Compliance with New Source Performance Standards.
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 for this permit. These materials shall be retained at least three (3) 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;
 - 6. the results of such analyses.
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 the relevant facts which 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.

SPECIFIC CONDITIONS:

1. This permit is issued to allow temporary operation of the subject facility and reasonable time for the permittee to evaluate the facility and upgrade and/or modify the facility so as to achieve compliance with all applicable Florida Department of Environmental Protection (DEP) rules and regulations regarding effluent disposal criteria of Chapters 62-3, 62-302, 62-4, 62-610 and 62-600 Florida Administrative Code (F.A.C.). Failure to complete any task by the date shown will be a violation of this permit. The schedule for achieving compliance must be adhered to and is as follows:

ITEM	DESCRIPTION	COMPLIANCE DATE
(a)	Conduct 96-hour static renewal definitive bioassays on chlorinated effluent. Submit test reports to the DEP Southeast District Office and the Biology Section in the Tallahassee DEP. 96-hour static renewal definitive acute toxicity bioassays that include 100 percent (%) and 30% effluent concentrations shall be conducted every two (2) months by a laboratory with a DEP approved comprehensive quality assurance (QA) plan for bioassay testing and test reports shall be submitted to the DEP. All test species, procedures and quality assurance criteria used shall be in accordance with Methods for Measuring the Acute Toxicity of Effluents to Freshwater and Marine Organisms, EPA/600/4-90/027, or the most current edition. A standard reference toxicant quality assurance test shall be conducted concurrently with each species used in the toxicity tests and the results submitted with the concomitant monthly operating report. DEP recommended species significant to the indigenous aquatic community shall be used. Specifically for a brackish effluent (1 to 5 parts per thousand (ppt) salinity) species should include <i>Mysidopsis bahia</i> and <i>Menidia beryllina</i>. <i>Mysidopsis bahia</i> (mysid or possum shrimp) bioassays shall use effluent salinity adjusted to 5 to 7 ppt for the 100% effluent concentration test. (Crystalline salt shall be used for the adjustment of the salinity in the 100% effluent concentration for the test using <i>Mysidopsis bahia</i>.) For the other concentrations using <i>Mysidopsis bahia</i> the salinity shall be adjusted to 20 to 25 ppt. <i>Menidia beryllina</i> (inland silverside) shall be used in effluent of unadjusted salinity at a 100% effluent concentration for testing. For other concentrations using <i>Menidia beryllina</i> the salinity shall be adjusted to 20 to 25 ppt. (The adjustment to 20 to 25 ppt salinity for both species shall not be performed by the addition of crystalline salt.) In all cases the control shall have the same salinity as the test solution. Other organisms the utility so desires may be used for additional testing. Deviations from the above shall have prior written approval from the DEP's Biology Section in Tallahassee. Salinity of the discharge prior to mixing with the receiving water body shall be reported with the bioassay reports. Samples shall be tested for toxicity as soon as possible after collection. The time from collection of sample to introduction of organisms shall not exceed 36 hours. All tests will be conducted on four (4) separate grab samples collected at evenly-spaced (6-hour) intervals in order to account for daily variations in effluent quality. If a bioassay exhibits greater than 50% mortality at the 30% effluent concentration then the permittee shall, within seven (7) days of learning that a biomonitoring test was failed, initiate two (2) weeks of sampling to identify when toxicity is occurring. Additionally, the permittee is to notify the DEP pursuant to F.A.C. Rule 62-600.750.	Bimonthly (Every Two (2) Months)

SPECIFIC CONDITIONS:

ITEM	DESCRIPTION	COMPLIANCE DATE
(a) cont'd	The intensive survey shall include 96-hour static renewal definitive, acute toxicity tests, using all test organisms that gave an indication of toxicity in the failed test. If any species exhibits greater than 50% mortality in the 30% effluent concentration, then the species shall be re-tested as defined below. If only one species exhibits greater than 50% mortality at the 30% effluent concentration, the other species shall be used in the follow-up testing as specified below if the second species has greater than 20% mortality at the 100% effluent concentration. These tests are to be performed on four (4) grab samples taken at 6-hour intervals (diel testing). Three (3) additional 96-hour static renewal definitive, acute toxicity tests will be performed on three (3) grab samples taken at four (4) day intervals following the preliminary results of the diel tests, and sampled at the time at which the diel tests indicated the most toxicity. {On the first day [day one (1)] of additional testing, grab samples are to be collected and tested following the same procedures and sample times as described above. On days five (5), nine (9), and 13, thereafter, a single grab sample shall be collected and tested at the time(s) the diel tests indicated the greatest amount of toxicity}. The concentration series used in the tests will reflect the amount of toxicity in the failed biomonitoring test(s), distributed appropriately with at least two (2) concentrations above and two (2) concentrations below the LC50 of the biomonitoring test(s). If the follow-up testing exhibits compliance, testing shall resume at the previously specified testing frequency. Chemical analysis for each grab sample shall include; the initial total residual chlorine and ionized and unionized ammonia for the 100% sample; the salinity of each concentration measured at the beginning and end of the tests; and pH, dissolved oxygen (DO), and temperature for each replicate taken at 24-hour intervals for each test species. If control mortality in any test exceeds 10%, the test is invalidated and must be immediately repeated. Results of all testing shall be forwarded to the Southeast District Office (DEP) and the Tallahassee Biology Section of the DEP within 45 days of sampling.	
(b) (i)	Complete construction authorized by permit number DC 13-207137.	By July 1, 1997
(ii)	Date by which the Department shall receive a completed DER Form 62-600.910(3) for the construction authorized by DC 13-207137.	By July 1, 1997
(c)	Complete construction of four (4) deep injection wells and associated appurtenances.	By July 1, 1996
(d) (i)	Initiate construction of compost facilities at the Central District WWTF.	By June 30, 1994
(ii)	Complete construction of compost facilities at the Central District WWTF.	By March 31, 1994
(e)	Complete construction of Na-24	By March 31, 1994

SPECIFIC CONDITIONS:

ITEM	DESCRIPTION	COMPLIANCE DATE
(f) (i)	Submit a construction permit application, supporting documentation and appropriate permit processing fee for 12.5 MGD of reuse of reclaimed water for either the North or South service areas.	By January 1, 1995
(ii)	Complete construction of the 12.5 MGD of reuse of reclaimed water in item 1 (f) (i) and submit appropriate documentation with a certification of completion of construction.	By June 1, 1998
(g)	Cease discharge to the ocean of 12.5 MGD of effluent associated with the re-rating of the North District WWTF authorized by this permit.	Within three (3) years of the issuance date of this permit or as soon as it is feasible to divert the effluent to the South District Phase I expansion or to an underground injection well at the North District WWTF, which ever occurs first.*
(h) (i)	Submit a Plan of Study to conduct further investigation on the chlorine residual at the end of pipe and to determine the required chlorine dosage to meet basic level disinfection requirements.	Within 60 days of the issuance date of this permit
(ii)	Submit the results and a report from the completed chlorine study referenced in item 1 (h) (i).	Within 120 days of DEP acceptance of the Plan of Study
(iii)	If the results indicate that the chlorine dosage required to meet basic level disinfection (including a chlorine residual of a least 0.5 milligrams per liter (mg/L) after at least 15 minutes contact time at peak hourly flow) results in an end of pipe total residual chlorine (TRC) or greater than 0.01 mg/L then submit an application for a mixing zone to achieve Class III microbiological standards at the edge of the mixing zone.	Within 90 days of the DEP's acceptance of item 1 (h) (ii)
(iv)	If the mixing zone is not granted, submit an application for construction of dechlorination facilities or an alternate method of disinfection to meet basic level disinfection with an end of pipe TRC of 0.01 mg/L or less and meeting all other DEP regulations.	Within 270 days of DEP's decision on the mixing zone requested in item 1 (h) (iii)

SPECIFIC CONDITIONS:

ITEM	DESCRIPTION	COMPLIANCE DATE
(v)	Initiate construction of the facilities required to meet the basic level disinfection criteria with an end of pipe TRC of 0.01 mg/L or less as indicated in item 1 (h) (iv).	Within 180 days issuance of the construction permit
(vi)	Complete construction and submits certification of completion of construction for the facilities required to meet the basic level disinfection criteria with an end of pipe TRC of 0.01 mg/L or less as indicated in item 1 (h) (iv) and 1 (h) (v).	Within 33 months of issuance of the construction permit
(i) (i)	Submit a Plan of Study to conduct further testing of water quality criteria and standards.	Within 60 days of the issuance date of this permit
(ii)	Submit the results and a report from the completed study referenced in item 1 (i) (i) .	Within 120 days of DEP acceptance of the Plan of Study
(iii)	If the results from the study indicate any parameter does not meet the water quality standards or criteria, submit an application for a mixing zone to achieve Class III water quality standards or criteria at the edge of the mixing zone.	Within 90 days of the DEP's acceptance of item 1 (h) (ii)
(iv)	If the mixing zone is not granted, submit an application for construction of treatment facilities to meet Class III water quality standards and criteria and meeting all other DEP regulations.	Within 270 days of DEP's decision on the mixing zone requested in item 1 (h) (iii)
(v)	Initiate construction of the facilities required to meet Class III water quality standards and criteria and all other DEP regulations.	Within 180 days of issuance of the construction permit.
(vi)	Complete construction and submit certification of completion of construction for the facilities required to meet Class III water quality standards and criteria and all other DEP regulations.	Within 33 months of issuance of the construction permit.
(j)	Submittal of a revised Facilities Plan to the DEP.	By December 1, 1994
(k)	Submittal of an operation permit application with supporting documentation and appropriate permit processing fee shall be done at least 60 days prior to the expiration date of this permit.	

* If the 12.5 MGD of flow is not ceased within three (3) years then 15.63 MGD shall be removed from the discharge to the ocean by June 1, 1998.

SPECIFIC CONDITIONS:

2. Sampling, reporting and effluent limitations for this Wastewater Treatment Facility (WWTF) for the period allowed to operate under this permit shall be in accordance with F.A.C. Chapters 62-601 and 62-600 and are as follows:

PARAMETER	EFFLUENT LIMIT	MINIMUM FREQUENCY	SAMPLE TYPE	SAMPLE LOCATION
Flow	(b) MGD	daily, seven (7) days per week	continuous	Wastewater Plant Influent
CBOD ₅	(a) mg/L	daily, seven (7) days per week	24 hour composite	WWTF Effluent after disinfection
TSS	(a) mg/L	daily, seven (7) days per week	24 hour composite	WWTF Effluent after disinfection
pH units	6.5 to 8.5 (f)	daily, seven (7) days per week	continuous	WWTF Effluent after disinfection
Chlorine Residual	(c) Min. 0.5 mg/L	daily, seven (7) days per week	continuous	WWTF Effluent after disinfection
Fecal Coliforms	Avg. 200/100 ml Max. 800/100 ml	daily, seven (7) days per week	(d) grab	WWTF Effluent after disinfection
Dissolved Oxygen	(e)	daily, seven (7) days per week	(d) Grab	WWTF Effluent after disinfection
Total Nitrogen as "N"	Monitor	Weekly	24 hour composite	WWTF Effluent after disinfection
Total Phosphorous as "P"	Monitor	Weekly	24 hour composite	WWTF Effluent after disinfection
Ammonia as "N"	Monitor	Weekly	24 hour composite	WWTF Effluent after disinfection
Nitrate as "N"	Monitor	Weekly	24 hour composite	WWTF Effluent after disinfection
Orthophosphate as "P"	Monitor	Weekly	24 hour composite	WWTF Effluent after disinfection

(a) Limits, Maximum (mg/L).

	annual	monthly	weekly	24 hour composite and/or one time grab
CBOD ₅	30	30	45	60
TSS	30	30	45	60

(b) Annual average flow shall not exceed 112.5 MGD. Up to 112.5 MGD (annual average daily flow) of effluent may be discharged to the ocean from the wastewater treatment plant for a maximum of three (3) years. After the three (3) years period, the discharge to the ocean shall be limited to 100 MGD or 96.87 MGD annual average daily flow (see Specific Condition #1).

PERMITTEE:

Miami Dade Water And Sewer Department
Mr. Anthony J. Clemente, Director

I.D. NUMBER: 5013M02271

PERMIT/CERTIFICATION NUMBERS: DT 13-234453

DATE OF ISSUE: 001 3 0 1995

EXPIRATION DATE: 001 3 0 2000

SPECIFIC CONDITIONS:

- (c) This minimum total chlorine residual shall be maintained after 15 minutes contact time at peak hourly flow or after 30 minutes contact time at average daily flow pursuant to F.A.C. Rule 62-600.440.
 - (d) Grab samples will be collected during periods of peak hydraulic and/or organic loading.
 - (e) The concentration shall not average less than 5.0 mg/L in a 24 hour period and shall never be less than 4.0 mg/L.
3. The permittee shall retain the engineer of record or other qualified professional engineer to provide resident inspection of construction and to assure conformance with approved engineering plans and specifications and certify completion of construction on DER Form 62-600.910(3) and availability of record drawings with the additional documentation required by F.A.C. Rule 62-600.730.
4. The owner shall employ certified operators in accordance with the provisions of F.A.C. Chapter 62-602 and Rule 62-699.310. This facility is Category II, Class A, and requires at a minimum a Class A, lead/chief operator with staffing by Class C or higher operator on-site 24 hours per day, 7 days per week. The lead/chief operator shall be on duty for one full shift each duty day.
5. All equipment of the facility shall be operated and maintained so as to function consistently as designed in removing pollutants and not cause a sanitary nuisance or potential health hazard. In the event that the treatment facilities or equipment no longer function as intended, are no longer safe in terms of public health and safety, or odor, noise, aerosol drift, or lighting adversely affect neighboring developed areas at the levels prohibited by Rule 62-600.400(2)(a), F.A.C., corrective action (which may include additional maintenance or modifications of the treatment plant) shall be taken by the permittee. Other corrective action may be required to ensure compliance with rules of the Department.
6. The Operation and Maintenance (O&M) manual for this facility covering both the treatment plant and effluent disposal systems shall be made available for the use of operating personnel.
7. The permittee shall insure that all waste residuals are disposed in accordance with F.A.C. Chapter 62-640, and shall comply with the following:
- (a) Quarterly analysis of the residuals shall be conducted each January, April, July, and October as specified in F.A.C. Rule 62-640.700, the results submitted to West Palm Beach DEP office and the Dade County Department of Environmental Resource Management (DERM).
 - (b) Residuals volume added to the digesters shall be recorded daily on the monthly operating reports (MORs).
 - (c) If off-site residuals stabilization is utilized, a log shall be maintained at the WWTF and copies submitted with the MOR to the West Palm Beach DEP and the DERM office documenting the method of residuals stabilization (e.g. lime) and where, when, and the quantity of residuals transported off-site.
 - (d) If on-site residuals stabilization is utilized:
 - I. A log shall be maintained at the WWTF that indicates compliance with Class A, B or C stabilization criteria of F.A.C. Rule 62-640.600. Pathogen reduction analysis of the digested residuals may be required to verify compliance with Title 40 Code of Federal Regulations (CFR) Part 257, Appendix II.

PERMITTEE:

Miami Dade Water And Sewer Department
Mr. Anthony J. Clemente, Director

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SPECIFIC CONDITIONS:

- CLASS A** Class A stabilization will be met if one of the Process to Further Reduce Pathogens methods under the specified operational conditions as described in Title 40 CFR Part 257 is used and met (EPA, 1979, Criteria For Classification of Solid Waste Disposal Facilities and Practices). These standards are adopted by reference. Other methods or operating conditions may be acceptable if pathogens are reduced to an extent equivalent to the approved methods. The alternate process shall be submitted to the Department for approval as A Process to Further Reduce Pathogens. The residuals may qualify for Class AA residuals if compliance with F.A.C. Rule 62-640.850 is documented and accepted. For residuals that meet the Class AA designation a copy of the analysis and distribution records shall also be submitted to the domestic wastewater section in the DEP's Tallahassee office.
- CLASS B** A log shall be maintained at the WWTF that indicates aerobic conditions have been maintained at solids residence times ranging from 60 days at 15° C to 40 days at 20° C with a volatile solids reduction of at least 38 percent prior to removing residuals from this site for land application or anaerobic sludge digestion conditions at solids residence times ranging from 60 days at 20° C to 15 days at 35° to 55° C, with a volatile solids reduction of at least 38 percent prior to removing sludge from this site for a land application. Documentation of percentage volatile solids reduction shall include a copy of the lab analysis and subsequent volatile solids reduction calculations. Pathogen reduction analysis of the digested residuals may be required to verify compliance with Title 40 CFR Part 257, Appendix II. If lime stabilization is utilized, a log shall be maintained at the WWTF that indicates stabilization conditions by addition of sufficient lime to produce a pH of 12 after 2 hours of contact.
- CLASS C** Class C stabilization standards will be achieved if one of the domestic wastewater residuals stabilization processes identified as a Process to Significantly Reduce Pathogens is utilized but the design or operational characteristics do not meet the minimum standards of Title 40 CFR Part 257. However, the design or operational characteristics must as a minimum comply with conventional design standards. F.A.C. Rule 62-640.600(3)(a). For aerobic digestion Section 74.32, "Solids Retention Time," of the Recommended Standards of Sewage Works states "Normally, a minimum of 15 days retention should be provided for waste activated sludge...".
- II. A log shall be maintained at the WWTF and copies submitted with the MOR to the West Palm Beach DEP office with an entry prior to each residuals disposal listing date of release, residuals quantity, residuals age, volatile solids reduction (for Class B residuals), residual class, name and type of receiving site.
- (e) Agricultural Use Plans and Dedicated Site Plans shall be updated annually pursuant to F.A.C. Rules 62-640.500(1)(f) and 62-640.500(2)(e). The annual summary shall be submitted in a timely manner such that it is received at the West Palm Beach DEP office by January 31 of each year and summarizes the previous year's data and any changes.
- (f) Residuals may be disposed of using a combination of methods authorized by F.A.C. Chapter 62-640. This may include disposal to a landfill authorized to accept residuals, land application of residuals at agronomic rates or through the use of dedicated sites. Prior to the land application of any residuals, other than those that meet the Class AA requirements, Agricultural Use and/or Dedicated Site Plans must be submitted to the Southeast District Office of the DEP and to DERM. The application must be submitted at least 60 days prior to the application of the residuals. All residuals that are land applied must be done in accordance with F.A.C. Chapter 62-640.
8. During the period of operation allowed by this permit, the Permittee shall furnish a copy of the MOR in accordance with F.A.C. Chapter 62-601. The MORs shall be submitted to the Southeast District Office of the DEP and DERM no later than the twenty eight of the succeeding month.
9. The screenings and grit particles are to be collected in suitable containers and shall be hauled to a Department approved Class I landfill or to a landfill approved by the Department for receipt/disposal of screenings and grit particles.

PERMITTEE:

Miami Dade Water And Sewer Department
Mr. Anthony J. Clemente, Director

I.D. NUMBER: 5013M02271

PERMIT/CERTIFICATION NUMBERS: DT 13-234453

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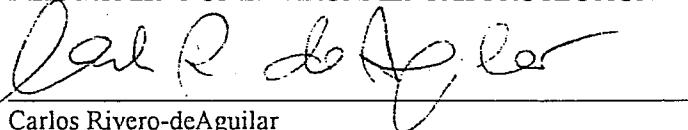
EXPIRATION DATE: OCT 30 2000

SPECIFIC CONDITIONS:

10. At a minimum, flow measurement devices shall be calibrated on an annual basis each January and the certification of calibration shall be submitted with the January MOR.
11. This permit does not relieve the permittee from compliance with the applicable provisions of Chapter 24 of the Metropolitan Dade County Code.
12. An operation and maintenance log in accordance with F.A.C. Rule 62-602.360(1)(e) shall be maintained in a location accessible to 24 hour inspection and protected from weather damage, and current to the last operation and maintenance performed.
13. A copy of this permit shall be kept at the WWTF for use by plant operators pursuant to F.A.C. Rule 62-600.410(5).
14. The GMS test site identification number for this facility for the ocean discharge is 5013X10442.
15. Capacity analysis report updates shall be submitted annually by April 1, and in accordance with F.A.C. Rule 62-600.405.
16. Sampling and reporting for CBOD₅ and TSS for the WWTF's influent shall be done in accordance with F.A.C. Chapter 62-601. Pursuant to F.A.C. Rule 62-601.500(4)(a), influent samples shall be collected so that they do not contain digester supernatant or return activated sludge, or any other plant process recycled waters.
17. The MDWASD shall conduct an Inflow and Peaking Management Study that will include a comparison with rainfall. The study shall include an analysis of the inflow and peak flows for the pumping station service areas and it will develop a criteria for pumping station design together with wastewater collection, storage, and transmission systems, and treatment plant capital improvements on systems operation or management methods required for inflow and peaking management in conjunction with wastewater flows and infiltration. A draft report shall be submitted within 18 months of the entry of the Consent Decree with the EPA.

Issued this 30 day of OCTOBER, 1995

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION



Carlos Rivero-deAguiar
Director of District Management
Southeast District
Post Office Box 15425
West Palm Beach, Florida 33416

MVT P Jm
CRA/AM/MVT/MWB/JPM/234453



SEC 1700 III
**Department of
Environmental Protection**

Lawton Chiles
Governor

Southeast District
P.O. Box 15425
West Palm Beach, Florida 33416

17-15
Virginia B. Wetherell
Secretary

Telephone Number: (407) 681-6600
Facsimile Number: (407) 681-6760

JUL 08 1996

NOTICE OF PERMIT REVISION

**CERTIFIED MAIL
RETURN RECEIPT REQUESTED**

**Dade County
DW - North District WWTF/ pH and TRC Mixing Zones
DEP Permit Number: DT 13-265111**

**Mr. William Brant, Deputy Director
Miami-Dade Water and Sewer Department
4200 Salzedo Street
Coral Gables, Florida 33146**

RE: Permit Revision of Wastewater Permit Number DT 13-234453, processed under Permit Number DT 13-265111.

Dear Mr. Brant:

The Department has reviewed your request with a \$6000 application fee, received on February 10, 1995, regarding the pH and Total Residual Chlorine (TRC) Mixing Zones for the North District Treatment Facility.

The conditions in DEP Permit Number DT 13-234453, except as noted below, remain in effect and together with this permit revision shall constitute DEP Permit Number DT 13-265111.

DEP Permit Number DT 13-265111 is subject to the following additional Specific Conditions:

- 1. A pH Mixing Zone is granted in order to allow lower pH limits within the mixing zone as covered in Florida Administrative Code Rule 62-4.244. The area of the mixing zone at the ocean's surface is 5120 square meters (m²) with a seawater to effluent dilution of 47:1. The mixing zone is 42.2 meters (m) wide and 121.3 meters (m) in length. A pH of 6.5 s.u. is calculated to be met at the boundary of the mixing zone when the pH leaving the wastewater treatment facilities is at least 6.0 s.u.**
- 2. A Total Residual Chlorine (TRC) mixing zone is granted to allow higher chronic TRC limits within the mixing zone as covered in Florida Administrative Code Rule 62-4.244. The mixing zone does not affect the acute TRC limit. The size of the mixing zone at ocean's surface is defined by an area of 351,208 square meters (m²) configured in a North-South direction due to the predominance of the Florida Current.**

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"Protect, Conserve and Manage Florida's Environment and Natural Resources"

3. The pH minimum limit in the table contained in Specific Condition #2 (DEP Permit Number DT 13-234453) is hereby modified as follows. In addition, a maximum TRC limit is added to the parameters contained in Specific Condition #2 (DEP Permit Number DT 13-234453). All other parameters contained in the table remain unchanged.

PARAMETER	EFFLUENT LIMIT	MINIMUM FREQUENCY	SAMPLE TYPE	SAMPLE LOCATION
pH units	6.0 to 8.5 (f)	continuous	meter	WWTF Effluent after disinfection
Total Residual Chlorine (TRC)	2.25 mg/L Maximum	continuous	meter	WWTF Effluent after disinfection

A person whose substantial interests are affected by this modification may petition for an administrative proceeding (hearing) in accordance with Section 120.57, Florida Statutes (F.S.). The petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Tallahassee, Florida 32399-3000, within 14 days of receipt of this notice. Petitioner shall mail a copy of the petition to the applicant at the address indicated above at the time of filing. Failure to file a petition within this time period shall constitute a waiver of any right such person may have to request an administrative determination (hearing) under Section 120.57, F.S.

The Petition shall contain the following information:

- (a) The name, address, and telephone number of each petitioner, the applicant's name and address, the Department permit file number and the county in which the project is proposed;
- (b) A statement of how and when each petitioner received notice of the Department's action or proposed action;
- (c) A statement of how each petitioner's substantial interests are affected by the Department's action or proposed action;
- (d) A statement of the material facts disputed by petitioner, if any;
- (e) A statement of facts which petitioner contends warrant reversal or modification of the Department's action or proposed action;
- (f) A statement of which rules or statutes petitioner contends require reversal or modification of the Department's action or proposed action; and
- (g) A statement of the relief sought by petitioner, stating precisely the action petitioner wants the Department to take with respect to the Department's action or proposed action.

If a petition is filed, the administrative hearing process is designed to formulate agency action. Accordingly, the Department's final action may be different from the position taken by it in this modification. Persons whose substantial interests will be affected by any decision of the Department with regard to the application have the right to petition to become a party to the proceeding. The petition must conform to the requirements specified above and be filed (received) within 14 days of receipt of this modification, in the Office of General Counsel at the above address of the Department. Failure to petition within the allowed time frame constitutes a waiver of any right such person has to request a hearing under Section 120.57, F.S., and to participate as a party to this proceeding. Any subsequent intervention will only be at the approval of the presiding officer upon motion filed pursuant to Rule 28-5.207, Florida Administrative Code (F.A.C.).

This modification is final and effective on the date filed with the Clerk of the Department unless a petition is filed in accordance with the above paragraphs or unless a request for extension of time in which to file a petition is filed within the time specified for filing a petition and conforms to Rule 62-103.070, F.A.C. Upon timely filing of a petition or a request for an extension of time, this modification will not be effective until further Order of the Department.

PERMITTEE: Miami-Dade Water and Sewer Department
c/o Mr. William Brant

Permit Number: DT 13-2654111

ISSUANCE DATE:

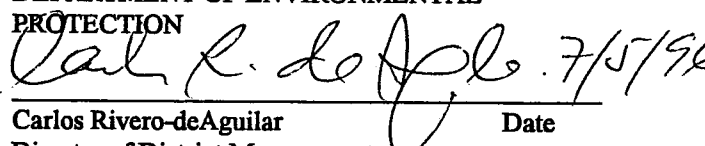
EXPIRATION DATE: October 30, 2000

When the Order (Modification) is final, any party to the Order has the right to seek judicial review of the Order pursuant to Section 120.68, F. S., by the filing of a Notice of Appeal pursuant to Rule 9.110, Florida Rules of Appellate procedure, with the Clerk of the Department in the Office of General Counsel, 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 of Appeal must be filed within 30 days from the date the Final Order is filed with the Clerk of the Department.

Should you have any questions, please contact John Mitnik of this office at telephone number (407) 681-6738.

Executed in West Palm Beach, Florida.

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL
PROTECTION


Carlos Rivero-deAguiar
Director of District Management
Southeast District
Post Office Box 15425
West Palm Beach, Florida 33416

Date


CRA/AM/MWB/jpm/DT 13-265111

Copies furnished to:

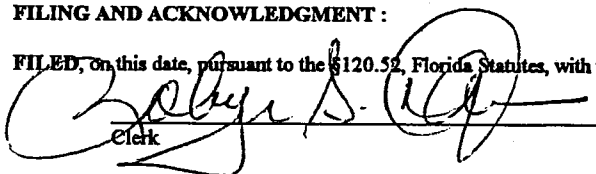
Lynette Ciardulli, OGC/TLH
John Petronio, Compliance/Enforcement Section, DEP/WPB
Jose Lopez, Permitting, DERM
Tony Clemente, Director, MDWASD
Bertha Goldenberg, MDWASD
Richard Wilson, Brown and Caldwell
Daryll Joyner, DEP/TAL
Roger Pfaff, EPA/ATL
Marshall Hyatt, EPA/ATL

CERTIFICATE OF SERVICE

This is to certify that this NOTICE OF PERMIT MODIFICATION and all copies were mailed before close of business on
JUL 08 1998 to the listed persons.

FILING AND ACKNOWLEDGMENT :

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


Clerk

JUL 08 1998
Date



Department of
Environmental Protection
SECTION IV

P.433 058 520

Lawton Chiles
Governor

Southeast District
P.O. Box 15425
West Palm Beach, Florida 33416

Virginia B. Wetherell
Secretary

Telephone Number: (561) 681-6600

Facsimile Number: (561) 681-6760

OCT 09 1996

NOTICE OF PERMIT REVISION

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Dade County
DW - North District WWTF/ In-plant Reuse System
DEP Application Number: DC 13-264947
DEP Permit Number: FLA032183-001

Mr. William Brant, Deputy Director
Miami-Dade Water and Sewer Department
4200 Salzedo Street
Coral Gables, Florida 33146

RE: Permit Revision of Wastewater Permit Number DT 13-234453, processed under Application Number DC 13-264947.

Dear Mr. Brant:

The Department has reviewed your request with a \$5000 application fee, received on February 6, 1995, regarding the In-plant Reuse System at the North District Treatment Plant.

The conditions in DEP Permit Number DT 13-234453 remain in effect and together with this permit revision shall constitute DEP Permit Number FLA032183-001.

DEP Permit Number FLA032183-001 is subject to the following additional Specific Conditions to those covered in DEP Permit Number DT 13-234453:

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Permit Number: FLA032183-001
ISSUANCE DATE: OCT 09 1996
EXPIRATION DATE: October 30, 2000

1. During the period beginning on the issuance date and lasting through the expiration date of this permit the permittee is authorized to land apply reclaimed water from Reuse System R001. Such water shall be limited and monitored by the permittee as specified below:

Parameter	Units	Max./Min.	Reclaimed Water Limitations				Monitoring Requirements			Notes
			Annual Average	Monthly Average	Weekly Average	Single Sample	Monitoring Frequency	Sample Type	Monitoring Location Site Number	
Flow	mgd		2.94				Continuous	Magnetic Flow Meter	EFF-1	See Conditions 3 & 6
Carbonaceous Biochemical Oxygen Demand (5 Day)	mg/L	Maximum	25	25	45	60	Daily, seven (7) days per week	24 hour composite	EFF-1	See Condition 4
Total Suspended Solids	mg/L	Maximum	30	30	45	60	Daily, seven (7) days per week	24 hour composite	EFF-1	
pH	std. units	Range				6.0-8.5	Continuous	pH meter	EFF-1	See Condition 5

2. Reclaimed water samples shall be taken at the monitoring site locations listed in permit Condition 1 and as described below:

Monitoring Site location number	Description of Monitoring Location
EFF-1	In-plant reuse pump station

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3. The annual average daily flow of 2.94 MGD is an estimate and not a maximum limitation. The disposal of quantities of reclaimed water greater than 2.94 MGD is permitted as long as all other requirements are met, and the effluent is returned to the wastewater treatment train for further processing and disposal through one of the other permitted disposal methods. The discharge of any quantity of reuse water to the environment is strictly prohibited. Such as any spills on the ground or any aerosols that are generated and transported away from the process unit as a result of the usage of reclaimed water.

4. As defined in Rule 62-610.669(6), F.A.C., partially treated or undisinfected wastewater may be used for process water if the wastewater is collected after use and returned to the treatment plant for additional treatment. Use of partially treated wastewater shall not be classified as reuse, unless the water has received a minimum of secondary treatment as defined in Rule 62-600.420(1)(b)2, F.A.C. However, as result of the NPDES delegation on June 1, 1995 the Department promulgated Rule 62-620, F.A.C., on November 29, 1994, in which Rule 62-620.106(1)(g) states that the criteria contained in 40 CFR 133.102(a)(4)(i) pertaining to secondary treatment, supersedes all other requirements and limits for wastewater facilities. It is this Rule that establishes a monthly average limit of 25 mg/L for CBOD₅. It is the intention of the Department, upon reissuance of a wastewater permit for this facility to adhere to the 25 mg/L limit for CBOD₅.

5. Hourly measurement of pH during the period of required operator attendance may be substituted for continuous measurement. [Chapter 62-601, Figure 2, Footnotes 1 and 2, 5-31-93]

6. A flow meter shall be utilized to measure flow and shall be calibrated at least annually. [62-601.200(17) and .500(6), 5-31-93]

7. This reuse system includes the following major user(s) (i.e., using 0.1 mgd or more of reclaimed water).

User Name	User Type	Capacity (mgd)
North District WWTF	In-plant Reuse	2.94
		2.94

[62-610.820(1), 4-2-90]

8. Cross connection to the potable water system are prohibited. [62-610.470(1), 4-2-90]

9. During the period of operation authorized by this permit, the permittee shall complete and submit to the Department on a monthly basis Discharge Monitoring Report(s) (DMR), Form 62-620.910(10), as attached to this permit for the in-plant reuse system. (The Monthly Operation Reports as covered in DEP Permit Number DT 13-234453 shall not change until the permit is renewed or replaced.) The permittee shall make copies of the attached DMR form(s) and shall submit the completed DMR form(s) to the Department by the twenty-eighth (28th) of the month following the month of operation at the address specified below:

Florida Department of Environmental Protection
Southeast District
P.O. Box 15425
West Palm Beach, Florida 33416

At a future date, the Department may require you to submit the Discharge Monitoring Report (DMR) to the Department's office in Tallahassee on the twenty-eighth (28) day of the month following the month of operation at the address specified below:

Florida Department of Environmental Protection
Wastewater Facilities Regulation Section, Mail Station 3551
Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

[62-620.610(18), 11-29-94][62-601.300(1), (2), and (3), 5-31-93]

24-hour notifications, shall be submitted to or reported to, as appropriate, the Department's Southeast District Office at the address specified below:

Florida Department of Environmental Protection
Southeast District Office
P. O. Box 15425
West Palm Beach, Florida 33416

Phone Number - (561) 681-6600
FAX Number - (561) 681-6760

All FAX copies shall be followed by original copies.

A person whose substantial interests are affected by this modification may petition for an administrative proceeding (hearing) in accordance with Section 120.57, Florida Statutes (F.S.). The petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Tallahassee, Florida 32399-3000, within 14 days of receipt of this notice. Petitioner shall mail a copy of the petition to the applicant at the address indicated above at the time of filing. Failure to file a petition within this time period shall constitute a waiver of any right such person may have to request an administrative determination (hearing) under Section 120.57, F.S.

The Petition shall contain the following information:

- (a) The name, address, and telephone number of each petitioner, the applicant's name and address, the Department permit file number and the county in which the project is proposed;
- (b) A statement of how and when each petitioner received notice of the Department's action or proposed action;
- (c) A statement of how each petitioner's substantial interests are affected by the Department's action or proposed action;
- (d) A statement of the material facts disputed by petitioner, if any;
- (e) A statement of facts which petitioner contends warrant reversal or modification of the Department's action or proposed action;
- (f) A statement of which rules or statutes petitioner contends require reversal or modification of the Department's action or proposed action; and
- (g) A statement of the relief sought by petitioner, stating precisely the action petitioner wants the Department to take with respect to the Department's action or proposed action.

If a petition is filed, the administrative hearing process is designed to formulate agency action. Accordingly, the Department's final action may be different from the position taken by it in this modification. Persons whose substantial interests will be affected by any decision of the Department with regard to the application have the right to petition to become a party to the proceeding. The petition must conform to the requirements specified above and be filed (received) within 14 days of receipt of this modification, in the Office of General Counsel at the above address of the Department. Failure to petition within the allowed time frame constitutes a waiver of any right such person has to request a hearing under

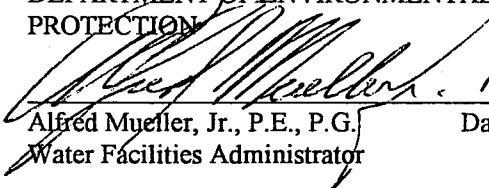
Section 120.57, F.S., and to participate as a party to this proceeding. Any subsequent intervention will only be at the approval of the presiding officer upon motion filed pursuant to Rule 28-5.207, Florida Administrative Code (F.A.C.).

This modification is final and effective on the date filed with the Clerk of the Department unless a petition is filed in accordance with the above paragraphs or unless a request for extension of time in which to file a petition is filed within the time specified for filing a petition and conforms to Rule 62-103.070, F.A.C. Upon timely filing of a petition or a request for an extension of time, this modification will not be effective until further Order of the Department. When the Order (Modification) is final, any party to the Order has the right to seek judicial review of the Order pursuant to Section 120.68, F. S., by the filing of a Notice of Appeal pursuant to Rule 9.110, Florida Rules of Appellate procedure, with the Clerk of the Department in the Office of General Counsel, 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 of Appeal must be filed within 30 days from the date the Final Order is filed with the Clerk of the Department.

Should you have any questions, please contact Michael Bechtold of this office at telephone number (561) 681-6689.

Executed in West Palm Beach, Florida.

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL
PROTECTION


Alfred Mueller, Jr., P.E., P.G.
Water Facilities Administrator

10/9/96
Date


AM/BLR/mwb/FLA032183-001

Copies furnished to:

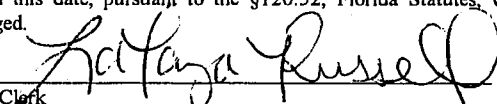
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Jose Lopez, Permitting, DERM
Tony Clemente, Director, MDWASD
Bertha Goldenberg, MDWASD
Richard Wilson, Brown and Caldwell

CERTIFICATE OF SERVICE

This is to certify that this NOTICE OF PERMIT MODIFICATION and all copies were mailed before close of business on
OCT 09 1996 to the listed persons.

FILING AND ACKNOWLEDGMENT :

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


Clerk

OCT 09 1996
Date

INSTRUCTIONS FOR MONITORING REPORT

PART A - Discharge Monitoring Report

One report shall be completed and submitted for each discharge point, outfall, or testing site listed in the permit. Use additional sheets if necessary. Mail to Department of Environmental Protection at the address shown on the first page of report.

Permittee Name/Address: Complete the name as shown on the face of the permit. Complete the mailing address. Place a note beside the mailing address if the address has changed within the past month.
Facility/Location: Complete the name of the facility and the address or location of the facility.

Permit Number: This is the number of the permit issued to the permittee which contains the monitoring requirements in this report.

Monitoring Period: This is the period that the data on this report represents.

Limit: This is blank if the data represents interim limits on a facility under construction. If the data represents final limits achieved after construction, the word FINAL will be here.

Class Size/Group: The facility classification is either major or minor and the group is either industrial or domestic.

Facility ID: This is the identification number of the facility which was assigned by the Department at the time the facility was constructed.

Discharge Point Number: This is the number in the permit assigned to the outfall, discharge point, or test site from which this data was collected. Complete one of these reports for each outfall or discharge point from your facility.

Plant size/Treatment type: If this facility is a domestic wastewater treatment facility, enter a one digit and one letter code to indicate the type of treatment and the plant size. First record the number from the chart below which represents the type of treatment provided by the facility. Then record the letter that indicates the permitted capacity (plant size) as shown on the chart below.

	Type of Treatment	Plant Size (mgd)			
		A	B	C	D
1	Activated Sludge, Attached Growth, or Combined Treatment systems that include nutrient removal processes (Nitrification alone is not considered nutrient removal.)	≥3.0	≥0.5 but <3.0	≥0.002 but <0.5	...
2	Activated Sludge or Combined Treatment systems that do not include removal processes	≥5.0	≥1.0 but <5.0	≥0.002 but <1.0	...
3	Activated Sludge operated in the extended aeration mode and oxidation ditches	≥8.0	≥2.0 but <8.0	≥0.025 but <2.0	≥0.002 but <0.025
4	Attached Growth Treatment systems (trickling filters or RBCs) that do not include nutrient removal processes	≥10.0	≥3.0 but <10.0	≥0.025 but <3.0	≥0.002 but <0.025

Parameter: This is the variable or substance which must be monitored.

Sample Measurement: The data which was collected and analyzed.

Permit Requirement: The limit from the permit for that parameter and measurement.

Quantity or Loading: The amount or mass of the parameter discharged during the reporting period in Average quantity discharged during the reporting period after adding each day of discharge, Maximum quantity discharged on the day with the highest amount, and the Unit of measurement (lbs, g, tons, etc.)

Quality or Concentration: The concentration of the parameter discharged during the reporting period in Minimum concentration during the reporting period, Average of all the measurements for the parameter during the reporting period, Maximum or highest concentration discharged during the sampling period that exceeded the maximum (minimum or 7-day average, as appropriate) permit requirement for each parameter. If none, enter zero.

No. Ex.: The number of sample measurements during the sampling period that exceeded the maximum (minimum or 7-day average, as appropriate) permit requirement for each parameter. If none, enter zero.

Frequency of Analysis: The number of times the measurement is required to be made by the permit and the number of times the measurement was made.

Sample Type: The type of sample (grab, composite, continuous) required to be taken by the permit and the type that was taken.

Certificate, Signature: This report must be signed in accordance with Rule 62-620.305, F.A.C. Type or print the name and title of the signing official. Include the telephone number where the official may be reached in the event there are questions concerning this report. Date when the report is signed.

Comment and Explanation: Use this area to explain any exceedances, any upset or by-pass events, or other items which require explanation.

PART B - DAILY SAMPLE RESULTS

Complete one sheet for each outfall, discharge point, or test site where daily sampling is required by the permit. Record the results of daily monitoring for the parameters required to be sampled daily by your permit. Record the data in the units indicated. If there are no fecal coliforms detected, enter ND in the row labeled "fecal coliform." Use the blank rows as needed.

List the name, certificate number, and class of all state certified operators. Use additional sheets as necessary.

PART B - DAILY SAMPLE RESULTS contd.

Enter the type of effluent disposal or reclaimed water reuse (surface water discharge, ocean outfall, slow rate land application-public access, slow rate land application-restricted public access, rapid rate land application, absorption field, underground injection).

If this plant does not have a limited wet weather discharge permitted under the provision of Rule 62-610.860, F.A.C., check not applicable. If the plant activated the wet weather discharge during the reporting month, check yes and attach PART C - LIMITED WET WEATHER DISCHARGE.

PART C - LIMITED WET WEATHER DISCHARGE

This part is applicable only to limited wet weather discharges from reuse systems describe in Rule 62-610.860, F.A.C. If applicable, this part is to be completed and submitted each month reclaimed water or effluent is discharged by a limited wet weather discharge. For months with no discharge, Part C need not be submitted. All information is to be provided for each day on which the limited wet weather discharge was activated. All information is to be typed or printed in ink.

Facility ID: This is the identification number assigned by the Department for the facility.

Month/Year: This is the period during which the data on this report was collected and analyzed.

Rainfall Information: Rainfall gauging station requires entry of the name and location of the station. Source of Climatological (normal rainfall) data is the source of the information required for Cumulative rainfall for the average rainfall year which is the amount of rain, in inches, which falls during an average rainfall year from January through the month for which this part contains data. Cumulative rainfall to date for this calendar year is the total amount of rain, in inches, that has been recorded since January 1 of the current year through the month for which this Part contains data.

Date: Enter the date on which the discharge occurred.

Duration of Discharge: Enter the number of hours, to the nearest 0.1 of an hour ($0.1 = 6 \text{ min.}$) during each day of discharge that reclaimed water was actually discharged to surface waters.

Gallons Discharged: Enter the quantity in millions of gallons of reclaimed water discharged during the period shown in Duration of Discharge. Show the units as millions of gallons (mg), accurate to the nearest 0.01.

Average Discharge Flow Rate: Divide Gallons Discharged by Duration of Discharge. Record in million gallons per day (MGD).

Average Upstream Flow Rate: Enter the average flow rate in the receiving stream upstream from the point of discharge for the period shown in Duration of Discharge. The average flow rate can be calculated based on two measurements; one made at the start and one made at the end of the discharge period. Measurements are to be made at the upstream gauging station described in the permit.

Stream Dilution Factor: Enter the stream dilution ratio accurate to the nearest 0.1. To calculate the factor, divide the Average Upstream Flow Rate by the Average Discharge Flow Rate.

CBOD₅: Enter the average CBOD₅ of the reclaimed water discharged during the period shown in Duration of Discharge.

TKN: Enter the average TKN of the reclaimed water discharged during the period shown in Duration of Discharge.

Reason for Discharge: Provide a brief explanation of the factors contributing to the need to activate the limited wet weather discharge.

PART D - GROUNDWATER MONITORING REPORT

This part is applicable only to groundwater monitoring wells. Type or print in ink the required data. All samples shall be collected and analyzed in accordance with Chapter 62-160, F.A.C. Laboratory reports shall be kept on file in the location indicated in your permit and made available for inspection upon request by the Department.

Facility ID: This is the identification number of the facility assigned by the Department.

Test Site ID: This is the identification number of the sampling site listed in your permit.

Month/Year: This is the period during which the data on this report was collected and analyzed. If the period is greater than one month, indicate beginning month to ending month.

Well Type: Indicate if the well being sampled is background, intermediate, compliance, or other. If other, explain in the comment section.

Date Sample Obtained: This is the date the sample was taken.

Ground Water Class: This is the classification of the ground water under Chapter 62-522, F.A.C.

Parameter: Analyze the parameters the permit requires. List any additional parameters from the permit which are not pre-listed here. If there are any parameters listed here which are not required by your permit, enter NR on that line.

Storet Code: Enter the Storet Code associated with the parameter.

Sampling Method: Describe the sampling method used.

Samples Filtered: Indicate whether the sample obtained was filtered (Y) or unfiltered (N).

Preservatives Added: State what preservatives were added to the sample.

Analysis Method: Indicate the analytical method used. Record the number from Chapter 62-160 or Chapter 62-601, F.A.C., or from other sources.

Analysis Result/Units: Record the results of the analysis. If the result was below the minimum detection limit, indicate that. Enter the units associated with the results of the analysis.

Detection Limits/Units: Record the detection limits and the units associated with them.

Comments and Explanations: Use this space to make any comments on or explanations of results which are unexpected.

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

WHEN COMPLETED MAIL THIS REPORT TO: Department of Environmental Protection Southeast District

Domestic Wastewater Section,

PERMITTEE NAME: Mr. William Brant

MAILING ADDRESS: Miami Dade Water And Sewer Department

4200 Salzedo Street

Coral Gables, FL 33146

FACILITY: North District WWTF

LOCATION: North Miami

COUNTY: Dade

PERMIT NUMBER: FLA032183-001

MONITORING PERIOD--From:

LIMIT: Final

CLASS SIZE: Major

FACILITY ID: FLA032183

GMS ID NO.: 5013M02271

DISCHARGE POINT NUMBER: R001

PLANT SIZE/TREATMENT TYPE: 2A

To:

REPORT: Monthly

GROUP: DW

GMS TEST SITE NO.:

WAFR SITE NO. : EFF-1

Please read instructions before completing this form.

Parameter	Quantity or Loading			Quality or Concentration			No. Ex.	Frequency of Analysis	Sample Type
	Avg.	Max.	Units	Min.	Avg.	Max.			
Flow									
STORET No. 50080 1									
Mon. Site No. EFF-1	2.94		MGD						
CBOD5									
STORET No. 80082 1									
Mon. Site No. EFF-1									
CBOD5									
STORET No. 80082 1									
Mon. Site No. EFF-1									
TSS									
STORET No. 80082 1									
Mon. Site No. EFF-1									
TSS									
STORET No. 00530 1									
Mon. Site No. EFF-1									
TSS									
STORET No. 00530 1									
Mon. Site No. EFF-1									
pH									
STORET No. 00406 1									
Mon. Site No. EFF-1									

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein; and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

Name/Title of Principal Executive Officer or Authorized Agent (Type or Print)

Signature of Principal Executive Officer Or Authorized Agent

Telephone No. (include area code)

Date (yy/mm/dd)

COMMENT AND EXPLANATION OF ANY VIOLATIONS (Reference all attachments here):



Department of
Environmental Protection
SECTION V

Lawton Chiles
Governor

Southeast District
P.O. Box 15425
West Palm Beach, Florida 33416

Virginia B. Wetherell
Secretary

SEP 13 1994

Dade County
DW-MDWASA/North District
Wastewater Treatment Facility (WWTF)
Phase 2 Expansion

Mr. William M. Brant, P.E., Deputy Director
Miami-Dade Water and Sewer Department
4200 Salzedo Street
Coral Gables, Florida 33146

FILE COPY

Dear Mr. Brant:

RE: Extension of Permit Number DC 13-207137 Processed Under Permit Number DC 13-257293

This office has completed the review of your request to extend the expiration date of the referenced permit which was originally issued on June 30, 1993.

Your request for an extension of the expiration date is approved. The new expiration date is June 30, 1998.

All the conditions of the original permits shall remain in effect for the duration of this extension. This letter of approval must be attached to the original permits and becomes part of those permits.

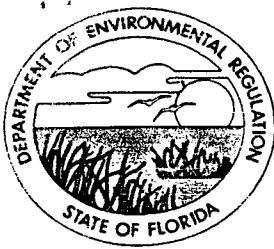
Should you have any questions concerning this matter, please contact Terri Hilliard at (407) 433-2650.

Sincerely,

J. Goldman

for Ernest E. Frey
Acting Director of District Management

cc: Lori Killinger, OGC, DEP/Tallahassee
John Petronio, Compliance/Enforcement, DEP/WPB
Indar Jagnarine, DEP/WPB
John Renfrow, Director, Dade County DERM



Florida Department of Environmental Regulation

Southeast District

P.O. Box 15425

West Palm Beach, Florida 33416

Lawton Chiles, Governor

1900 S. Congress Ave., Suite A

Virginia B. Wetherell, Secretary

Telephone: 407/433-2650

Fax: 407/433-2666

NOTICE OF PERMIT

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

JUN 30 1993

Mr. Garrett Sloan, P.E.

Miami Dade Water And Sewer Authority Department

3575 S. LeJeune Road

Miami, Florida 33146-2221

Dade County

DW - MDWASAD/North District WWTF Expansion
to 120 MGD

FILE

Dear Mr. Sloan:

Enclosed is Permit Number DC 13-207137 to construct facilities that are part of a 20 MGD expansion of the subject wastewater treatment facility issued pursuant to Section(s) 403.087, Florida Statutes.

Any party to this Order (permit) has the right to seek judicial review of the permit pursuant to Section 120.68, Florida Statutes, by the filing of a Notice of Appeal pursuant to Rule 9.110, Florida Rules of Appellate Procedure, with the Clerk of the Department in the Office of General Counsel, 2600 Blair Stone Road, Tallahassee, Florida 32399-2400; 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 of Appeal must be filed within 30 days from the date this Notice is filed with the Clerk of the Department.

If you have any questions please contact Michael G. Zetts, of this office, telephone number (407) 433-2650.

Executed in West Palm Beach, Florida.

STATE OF FLORIDA

DEPARTMENT OF ENVIRONMENTAL REGULATION

Vick Kamath

for

Mary E.S. Williams

Director of District Management

1900 South Congress Avenue, Suite A

P. O. Box 15425

West Palm Beach, FL 33416

Telephone (407) 433-2650

MESW:mzr/7137

Copies furnished to:

Lori Killinger, OGC/Tallahassee

Dulce M. Rodriguez, P.E., MDWASAD

Howard Falon, P.E., MDWASAD

Bertha Goldenberg, P.E., MDWASAD

Bob Ready, P.E., MDWASAD

Bonnie Wells, P.E., MDWASAD

Jose Lopez, P.E., DERM

John Petronio, Domestic Wastewater, DER/WPB

Elsa Potts, P.E., DER/Tallahassee

CERTIFICATE OF SERVICE

This is to certify that this NOTICE OF PERMIT and all copies were mailed before close of business on **JUN 30 1993** to the listed persons.

Clerk Stamp

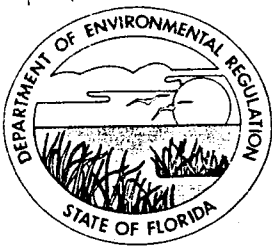
FILING AND ACKNOWLEDGMENT FILED, on this date, pursuant to the §120.52(10), Florida Statutes, with the designated Department Clerk, receipt of which is hereby acknowledge.

Daisy Rodriguez
Clerk

JUN 30 1993

Date

Recycled Paper
Printed with Soy Based Inks



Florida Department of Environmental Regulation

Southeast District

Lawton Chiles, Governor

• P.O. Box 15425 •

West Palm Beach, Florida 33416

1900 S. Congress Ave., Suite A

Virginia B. Wetherell, Secretary

Telephone: 407/433-2650

Fax: 407/433-2666

PERMITTEE:

Mr. Garrett Sloan, P.E.

Miami Dade Water And Sewer Authority Department

3575 S. LeJeune Road

Miami, Florida 33146-2221

I.D. NUMBER: 5013M02271

PERMIT/CERTIFICATION NUMBERS: DC 13-207137

DATE OF ISSUE: **JUN 30 1993**

EXPIRATION DATE: **JUN 30 1995**

COUNTY: Dade

LATITUDE/LONGITUDE: 25°55'04"N/80°09'12"W

SECTION/TOWNSHIP/RANGE: 16/52S/42E

PROJECT: MDWASAD/North District WWTF Expansion to 120 MGD

FILE

This permit is issued under the provisions of Chapter 403.087, Florida Statutes, and Florida Administrative Code Rules 17-4 and 17-600, and 17-640. The above named permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans, and other documents attached hereto or on file with the Department and made a part hereof and specifically described as follows:

TO CONSTRUCT: Components of 20 MGD AADF expansion (Phase II) at the North District WWTF. Construction will include:

1. One domed primary clarifier, 160 ft. in diameter with a depth of 12 ft., a surface area of 20,100 sq.ft. and a weir length of 500 lineal ft.
2. One oxygenation tank, with 4 stages, each stage 61 ft. x 61 ft. x 14 ft. (W x L x D) with mixers, controls and instrumentation.
3. Two domed secondary clarifiers, each 160 ft. in diameter with a depth of 12 ft., a surface area of 20,100 sq.ft. and a weir length of 500 lineal ft.
4. Two effluent pumps, each rated for 75 MGD at a TDH of 47 ft. and 900 horsepower (HP).
5. A 2,750 kW stand-by power generator.
6. One residual transfer pump rated at 350 HP and 3 MGD at a TDH of 300 ft.
7. Two chlorination evaporators each with a 8,000 lb./day capacity.
8. Three odor control scrubbers, one for the primary clarifier and two for the secondary clarifiers.
9. Three flow meters, one for each of the following; plant influent, primary sludge, return sludge.

IN ACCORDANCE WITH: The application, DER Form 17-600.910(1), and additional information received March 19, June 24, September 24 and December 28, 1992, and February 17, 1993 and the public notice published on May 6, 1993, in the Miami Herald.

PERMITTEE:
Mr. Garrett Sloan, P.E.
Miami Dade Water And Sewer Authority Department

I.D. NUMBER: 5013M02271
PERMIT/CERTIFICATION NUMBERS: DC 13-207137
DATE OF ISSUE: JUN 30 1993
EXPIRATION DATE: JUN 30 1995

FILE

LOCATED AT: 2575 N.E. 151st. Street, North Miami, Dade County.

TO SERVE: The North District service area and flows routed to the wastewater treatment facilities from the other service areas.

SUBJECT TO: General Conditions 1 - 15 and Specific Conditions 1 - 20

GENERAL CONDITIONS:

FILE

1. The terms, conditions, requirements, limitations and restrictions set forth in this permit, are "permit conditions" and are binding and enforceable pursuant to Sections 403.141, 403.727, or 403.859 through 403.861, F.S. 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.

2. This permit is valid only for the specific processes and operations applied for as indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the Department.

3. As provided in subsections 403.087(6) and 403.722(5), F.S., the issuance of this permit does not convey any 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 of or approval of any other Department permit that may be required for other aspects of the total project which are not addressed in this permit.

4. This permit conveys no title to land or water, does not constitute State recognition or acknowledgement of title, and does not constitute authority for the use 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.

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 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.

6. The permittee shall properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed and used by the permittee to achieve compliance with the conditions of this permit, are 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.

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 reasonable times, access to the premises where the permitted activity is located or conducted to:

- (a) Have access to and copy any records that must be kept under conditions of this 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.

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 noncompliance; and
- (b) The period of noncompliance, including dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps taken to reduce, eliminate, and prevent recurrence of the noncompliance. The permittee shall be responsible for any and all damages which may result and be subject to enforcement action by the Department for penalties or for revocation of this permit.

GENERAL CONDITIONS:

FILE

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 Section 403.111 and 403.73, F.S. Such evidence shall only be used to the extent it is consistent with the Florida Rules of Civil Procedure and appropriate evidentiary rules.

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.

11. This permit is transferable only upon Department approval in accordance with Rules 17-4.120 and 17-30.300, 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.

12. This permit or a copy thereof shall be kept at the work site of the permitted activity.

13. This permit also constitutes:

- () Determination of Best Available Control Technology (BACT)
- () Determination of Prevention of Significant Deterioration (PSD)
- () Certification of compliance with state Water Quality Standards (Section 401, PL 92-500)
- () Compliance with New Source Performance Standards

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 for 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;
 - 6. the results of such analyses.

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 this permit. If the permittee becomes aware the 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.

PERMITTEE:
Mr. Garrett Sloan, P.E.
Miami Dade Water And Sewer Authority Department

I.D. NUMBER: 50102271
PERMIT/CERTIFICATION NUMBERS: DC 13-207137
DATE OF ISSUE: JUN 30 1993
EXPIRATION DATE: JUN 30 1995

SPECIFIC CONDITIONS:

FILE

1. Pursuant to F.A.C. Rule 17-600.700, the permittee has submitted applications for construction of an effluent disposal system. The applications are for four (4) deep injection wells, application numbers UC 13-226254, UC 13-226253, UC 13-226252 and UC 13-226250. Based on the method of effluent disposal of deep well injection, the following sampling, reporting and effluent limitations for this 20 MGD expansion (WWTP) discharging to the deep injection wells for the period allowed to operate under this permit shall be in accordance with Florida Administrative Code (FAC) Chapters 17-601 and 17-600 and are as follows:

PARAMETER	EFFLUENT LIMIT	MINIMUM FREQUENCY	SAMPLE TYPE	SAMPLE LOCATION
Flow	(b) MGD	Daily, continuous	Recording Flow Meter	Influent and Effluent
CBOD ₅	(a) mg/l	Daily, 7/week	24 Hour composite	Effluent to Deep Injection Wells
TSS	(a) mg/l	Daily, 7/week	24 Hour composite	Effluent to Deep Injection Wells
pH units	6.0 to 8.5	Grab	Continuous (c)	Effluent to Deep Injection Wells
Chlorine Residual	Min. 0.5 mg/l (d)	(d)	Grab	Effluent
Fecal Coliforms	Avg. 200/100 ml Max. 800/100 ml	(d) Grab	(d) Grab	Effluent

(a) Limits, Maximum (mg/l).

	annual	monthly	weekly	one time grab
CBOD ₅	20	30	45	60
TSS	20	30	45	60

(b) Annual average flow shall not exceed 120 MGD.

(c) Pursuant to F.A.C. Rule 17-601, hourly measurements during the period for required operator attendance may be substituted for continuous measurement where such devices are not available.

(d) Disinfection is not required prior to disposal via any Class I well discharging domestic effluent into Class G-IV waters; however, all Class I Well Permittees must maintain capability to disinfect at a level that is consistent with the alternate discharge mechanism pursuant to F.A.C. Rule 17-28.230(4)(c), FAC. The standby chlorination system shall be operated for a two (2) hour period at least one time each month to demonstrate the capability of maintaining a minimum chlorine residual of 0.5 mg/l or greater. Chlorine residual and fecal coliform analysis results shall be reported on the Monthly Operation Report (MOR) for all periods where disinfection is required including the required monthly demonstration test.

2. Construction of this facility shall be certified by the engineer of record as complete prior to placing the system in operation. This permit will allow a period of operation during modification and/or following completion of construction, to make minor changes, adjustments, etc., to obtain test data to verify that the facility meets design standards.

3. The permittee shall make application for an operation permit modification or request an extension of the expiration date of this construction permit at least sixty (60) days prior to the expiration of this permit pursuant to F.A.C. Rule 17-4.090.

PERMITTEE:
Mr. Garrett Sloan, P.E.
Miami Dade Water And Sewer Authority Department

I.D. NUMBER: 50102271
PERMIT/CERTIFICATION NUMBERS: DC 13-207137
DATE OF ISSUE: JUN 30 1993
EXPIRATION DATE: JUN 30 1995

SPECIFIC CONDITIONS:

FILE

4. The permittee shall retain the engineer of record or other qualified professional engineer to provide resident inspection of construction and to assure conformance with approved engineering plans and specifications and certify completion of construction on DER Form 17-600.910(3) and availability of record drawings with the additional documentation required by F.A.C. Rule 17-600.730.
5. The owner shall employ certified operators in accordance with the provisions of F.A.C. Chapter 17-602 and Rule 17-699.310. This facility is Category II, Class A, and requires at a minimum a Class A, lead/chief operator with staffing by Class C or higher operator on-site 24 hour(s) per day, 7 days per week. The lead/chief operator shall be on duty for one full shift each duty day.
6. All equipment of the facility shall be operated and maintained so as to function consistently as designed in removing pollutants and not cause a sanitary nuisance or potential health hazard. In the event that the treatment facilities or equipment no longer function as intended, are no longer safe in terms of public health and safety, or odor, noise, aerosol drift, or lighting adversely affect neighboring developed areas at the levels prohibited by Rule 17-600.400(2)(a), F.A.C., corrective action (which may include additional maintenance or modifications of the treatment plant) shall be taken by the permittee. Other corrective action may be required to ensure compliance with rules of the Department.
7. An Operation and Maintenance (O&M) manual shall be prepared for the facility covering both the treatment plant and effluent disposal systems and shall include an effluent management plan. A draft copy shall be submitted to the Department with the certification of completion of construction and a final copy of the manual shall be made available for the use of operating personnel with the notification of completion of construction.
8. Prior to placing the new components into operation, the Engineer of Record shall submit:
 - (a) Two (2) completed Certification of Completion of Construction Forms, DER Form 17-600.910(3).
 - (b) Record Drawings and Specifications.
 - (c) A draft Operation and Maintenance Manual.
9. The construction authorized by this permit is only part of the construction necessary to bring the plant capacity to 120 MGD AADF. Remaining major components (which will require additional department construction permits prior to construction) include conversion of two digesters to the high rate mode and residuals composting facilities at the Central District WWTP, and the completion of the Phase I expansion at the North District WWTF.
10. The screenings and grit particles are to be collected in suitable containers and shall be hauled to a Department approved Class I landfill or to a landfill approved by the Department for receipt/disposal of screenings and grit particles.
11. At a minimum flow measurement devices shall be calibrated on an annual basis each January and the certification of calibration shall be submitted with the January MOR.
12. This permit does not relieve the permittee from compliance with the applicable provisions of Chapter 24 of the Metropolitan Dade County Code.
13. A copy of this permit shall be kept at the wastewater treatment facility for use by plant operators pursuant to F.A.C. Rule 17-600.410(5).

PERMITTEE:
Mr. Garrett Sloan, P.E.
Miami Dade Water And Sewer Authority Department

I.D. NUMBER: 50002271
PERMIT/CERTIFICATION NUMBERS: DC 13-207137
DATE OF ISSUE: JUN 30 1993
EXPIRATION DATE: JUN 30 1995

SPECIFIC CONDITIONS:

FILE

14. The GMS site identification number for the ocean discharge for this facility is 5013X10442.

The GMS site identification number for the deep well injection discharge for this facility is 5013X12800.

15. Capacity analysis reports and their updates shall be submitted in accordance with F.A.C. Rule 17-600.405.

16. Sampling and reporting for CBOD₅ and TSS for the wastewater treatment facility's influent shall be done in accordance with F.A.C. Chapter 17-601.

17. Within 180 days from the issuance date of this permit, the permittee shall submit to the Department an engineering evaluation/report of the residuals pumping and transmission system from the North District WWTF to Central District WWTF. The evaluation shall state whether or not the residuals transfer system can transmit the residuals from the North District WWTF to the Central District WWTF at the proposed design flow of 120 MGD. Justification and calculations shall be included to support the determination. In the event that the residuals transfer system can not transfer the residuals at the design flow, the report shall also provide a recommended improvement list and time frames to complete the recommended improvements. The permitted capacity of the North District WWTF maybe limited by the residual transfer system capabilities.

18. The permittee shall insure that all waste residuals are disposed of in accordance with F.A.C. Chapter 17-640, and complies with the following with the Certification of Completion of Construction and prior to placing the constructed facilities into operation:

(a) Quarterly analysis of the residuals shall be conducted each January, April, July and October as specified in F.A.C. Rule 17-640.700, to determine the suitability of domestic wastewater residuals for land application and the results submitted to West Palm Beach DER office.

(b) Residuals volume added to the digesters shall be recorded daily on the monthly operation reports.

(c) If offsite residuals stabilization is utilized, a log shall be maintained at the WWTP and copies submitted with the MOR to the West Palm Beach DER office documenting the method of residuals stabilization (e.g. lime) and where, when, and the quantity of residuals transported off site. In addition, prior to the use of the offsite residuals stabilization, the permittee must submit information addressing the Department's policy manual memo titled "WF/DOM-19 Policy for Permitting of Residuals Treatment Facilities in Accordance with Chapter 17-640 F.A.C." dated July 3, 1991, and must receive Department authorization.

(d) If on site residuals stabilization is utilized:

I. A log shall be maintained at the WWTP that indicates compliance with Class A, B or Class C stabilization criteria of F.A.C. Rule 17-640.600. Pathogen reduction analysis of the digested residuals may be required to verify compliance with 40 CFR Part 257, Appendix II.

CLASS A Class A stabilization standards will be met if one of the Process to Further Reduce Pathogens methods under the specified operational conditions as described in Title 40, Code of Federal Regulations, Part 257 is used (EPA, 1979, Criteria For Classification of Solid Waste Disposal Facilities and Practices). These standards are adopted by reference. Other methods or operating conditions may be acceptable if pathogens are reduced to an extent equivalent to the approved methods. The alternate process shall be submitted to the Department for approval as a Process to Further Reduce Pathogens. The residuals may qualify for Class AA if compliance with F.A.C. Rule 17-640.850 is documented.

PERMITTEE:
Mr. Garrett Sloan, P.E.
Miami Dade Water And Sewer Authority Department

I.D. NUMBER: 50102271
PERMIT/CERTIFICATION NUMBERS: DC 13-207137
DATE OF ISSUE: JUN 30 1993
EXPIRATION DATE: JUN 30 1995

SPECIFIC CONDITIONS:

FILE

- CLASS B A log shall be maintained at the WWTP that indicates aerobic conditions have been maintained at solids residence times ranging from 60 days at 15° C to 40 days at 20° C with a volatile solids reduction of at least 38 percent prior to removing residuals from this site for land application. Documentation of percent volatile solids reduction shall include a copy of the lab analysis and subsequent volatile solids reduction calculations. Pathogen reduction analysis of the digested residuals may be required to verify compliance with 40 CFR Part 257, Appendix II. If lime stabilization is utilized, a log shall be maintained at the WWTP that indicates stabilization conditions by addition of sufficient lime to produce a pH of 12 after 2 hours of contact.
- CLASS C Class C stabilization standards will be achieved if one of the domestic wastewater residuals stabilization processes identified as a Process to Significantly Reduce Pathogens is utilized but the design or operational characteristics do not meet the minimum standards of Title 40, Code of Federal Regulations, Part 257. However the design or operational characteristics must as a minimum comply with conventional design standards. F.A.C. Rule 17-640.600(3)(a). For aerobic digestion section 74.32, "Solids Retention Time," of the Recommended Standards of Sewage Works states "Normally, a minimum of 15 days retention should be provided for waste activated sludge..."
- II. A log shall be maintained at the WWTP and copies submitted to the West Palm Beach DER office with an entry for each week that residuals were removed from the site listing residuals quantity hauled, hauler, residuals class, name and type of receiving site and volatile solids reduction.
- (e) Submittal and approval of Agricultural Use Plans and Dedicated Site Plans prior to the application of the residuals are required unless the classification of residuals exempts such plans.
19. This permit does not relieve the permittee from the responsibility of compliance with, or the obtaining of MSSW permits.
20. This permit does not authorize an increase in disposal of effluent to the ocean.

Issued this 29th day of June, 1993

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION

Vishu Kamath
for Mary E.S. Williams
Director of District Management



Department of Environmental Protection

SECTION VI

JUN 26 1995

Lawton Chiles
Governor

Southeast District
P.O. Box 15425
West Palm Beach, Florida 33416

Virginia B. Wetherell
Secretary

NOTICE OF PERMIT

Mr. William Brant, P.E., Deputy Director
Miami-Dade Water and Sewer Department
3575 S. Lejeune Road
Miami, Florida 33146-2221

Dade County
DW-MDWASD North District WWTP/1.5 MGD
Part 3 Reuse

Dear Mr. Brant:

Enclosed is Permit Number DC 13-263958, to construct a 1.5 mgd reclaimed water treatment system (tertiary system) to serve public access reuse system including golf courses, parks and schools in North Miami and Miami Beach.

Any party to this Order (permit) has the right to seek judicial review of the permit pursuant to Section 120.68, F.S., by the filing of a Notice of Appeal pursuant to Rule 9.110, Florida Rules of Appellate Procedure, with the Clerk of the Department in the Office of General Counsel, 2600 Blair Stone Road, Tallahassee, Florida 32399-2400; 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 of Appeal must be filed within 30 days from the date this Notice is filed with the Clerk of the Department.

If you have any questions, please contact Indar Jagnarine, P.E. at telephone number (407) 433-2650.

Executed in West Palm Beach, Florida.

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Carlos Rivero-deAguilar 6/23/95
Date

Carlos Rivero-deAguilar
Director of District Management
Southeast District
Post Office Box 15425
West Palm Beach, FL 33416

CRA/AM/mb/DC13-263958

Copies furnished to:

John Petronio, DEP/WPB
Jose Lopez, DERM
Al Mueller, P.E., P.G., DEP/WPB
Richard D. Wilson, P.E., Brown and Caldwell

Lynette Ciardulli, OGC/Tallahassee
Bertha Goldenberg, MDWASD

CERTIFICATE OF SERVICE

This is to certify that this NOTICE OF PERMIT and all copies were mailed before close of business on JUN 26 1995 to the listed persons.

Clerk Stamp

FILING AND ACKNOWLEDGMENT:

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

Linda Schappat
Clerk

JUN 26 1995

Date

"Protect, Conserve and Manage Florida's Environment and Natural Resources"

Printed on recycled paper.



Department of Environmental Protection

Lawton Chiles
Governor

Southeast District
P.O. Box 15425
West Palm Beach, Florida 33416

Telephone Number: (407) 433-2650
Facsimile Number: (407) 433-2666
Virginia B. Wetherell
Secretary

PERMITTEE:

Mr. William Brant, P.E., Deputy Director
Miami-Dade Water and Sewer Department
3575 S. Lejeune Road
Miami, Florida 33146-2221

IDENTIFICATION NUMBER: 5013M02271

PERMIT/CERTIFICATION NUMBER: DC 13-263958

DATE OF ISSUE: JUN 26 1995

EXPIRATION DATE:

COUNTY: Dade

JUN 26 1997

LATITUDE/LONGITUDE: 25° 55' 11"N/80° 05' 24" W

SECTION/TOWNSHIP/RANGE: 16/52S/42E

PROJECT: MDWASD North District WWTP/1.5 MGD
Part 3 Reuse

This permit is issued under the provisions of Chapter 403.087, Florida Statutes (F.S.), and Chapters 62-4, 62-600 and 62-604, Florida Administrative Code (F.A.C.). The above named permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans, and other documents attached hereto or on file with the Department and made a part hereof and specifically described as follows:

TO CONSTRUCT: A 1.5 mgd reclaimed water treatment system (tertiary system) and distribution mains to serve golf courses, parks and schools in North Miami and Miami Beach. The major reclaimed water treatment system and effluent disposal components of the WWTF are described as follows:

- (i) Tertiary Filters (sand) - The tertiary filtration system consists of three (3) filters with a total surface area of 360 square feet (120 square feet per cell) and a maximum filtration rate of 5.0 gallons per minute per square foot (gpm/sq. ft.). DERM's standards limit the filtration rate to 4.0 gallons per minute per square foot (gpm/sq. ft.). An existing coagulant feed system will be utilized to enhance filtration if needed.
- (ii) Chlorine Contact Chamber - Disinfection is achieved in one (1) 26,040 gallon (total 28,700 gallons) chlorine contact basin with a side water depth of eight (8) feet. Chlorine will be provided by the existing chlorinating system.
- (iii) Reuse Storage Tank - One million gallon (mg) reclaimed water storage tank with an inside diameter of 100 feet and a sidewater depth of 17 feet
- (iv) High Service Pumping station - Reclaimed water will be pumped by four (4) high service vertical turbine pumps capable of pumping 1,050 gallons per minute (gpm) @ 150 TDH
- (v) Reclaimed Water Distribution Main - Reclaimed water distribution system consists of 51,400 LF of various sizes.
- (vi) Reuse Sites - The major Part 111 public access reuse sites identified according to irrigated acres and demand (mgd) are Haulover Beach Golf Course (9 acres .045 mgd), Indian Creek Golf Course (150 acres .64 mgd), Normandy Shores Golf Course (120 acres .188 mgd), Haulover Beach Park (94 acres .475mgd), Biscayne Elementary School (2 acres .008 mgd) and Florida International University (40 acres .095 mgd). Additionally, a total of 4.2 mgd (irrigation demand) has been identified as potential major (3.8mgd) and other (.44 mgd) users.
- (vii) Other Equipment - Automatic monitoring equipment for turbidity and chlorine residual will be installed. This project will modify the existing piping system to route water to the proposed filters from the low lift pumps. The flow into the proposed system will be control by a valve set to supply a constant rate of 1.5 mgd.
- (viii) Emergency Effluent Discharge Management System - Effluent which does not meet turbidity/total suspended solids or chlorine residual standards will be rejected to the ocean outfall and/or deep injection wells

PERMITTEE:
Mr. William Brant, P.E., Deputy Director
Miami-Dade Water and Sewer Department

IDENTIFICATION NUMBER: 5013M02271
PERMIT/CERTIFICATION NUMBER: DC 13-263958
DATE OF ISSUE: JUN 26 1995
EXPIRATION DATE: JUN 26 1997

IN ACCORDANCE WITH: The permit application, DEP Form 62-600.910(1), with a \$5000.00 application fee received on January 19, 1995. Additional information was received on March 16, 1995, The public notice published on May 10, 1995 in the Miami Daily Business Review was received on May 30, 1995.

LOCATED AT: Miami Beach and North Miami Beach west of NE 18th Avenue and north of the North District WWTP. The boundaries of the service area are Latitude 25°58'20" and 25°47'30" for the north and south boundaries and 80°07'30" and 80°10'00".

TO SERVE: The service area identified above.

SUBJECT TO: General Conditions 1 - 17 and Specific Conditions 1 - 15

GENERAL CONDITIONS:

1. The terms, conditions, requirements, limitations and restrictions set forth in this permit, are "permit conditions" and are binding and enforceable pursuant to Sections 403.141, 403.727, or 403.859 through 403.861, Florida Statutes (F.S.). 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.
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, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the Department.
3. As provided in subsections 403.087(6) and 403.722(5), F.S., the issuance of this permit does not convey any 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 of or approval of any other Department permit that may be required for other aspects of the total project which are not addressed in this permit.
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.
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.
6. The permittee shall properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed and used by the permittee to achieve compliance with the conditions of the permit, are 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.
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 reasonable times, access to the premises where the permitted activity is located or conducted to:
 - (a) Have access to and copy any records that must be kept under 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.
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 noncompliance; and
 - (b) The period of noncompliance, including dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance. 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.

GENERAL CONDITIONS:

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 403.111 and 403.73, F.S. Such evidence shall only be used to the extent it is consistent with the Florida Rules of Civil Procedure and appropriate evidentiary rules.
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.
11. This permit is transferable only upon Department approval in accordance with Rules 62-4.120 and 62-730.300, Florida Administrative Code (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.
12. This permit or a copy thereof shall be kept at the work site of the permitted activity.
13. This permit also constitutes:
 - (a) Determination of Best Available Control Technology (BACT).
 - (b) Determination of Prevention of Significant Deterioration (PSD).
 - (c) Certification of compliance with State Water Quality Standards (Section 401, PL 92-500).
 - (d) Compliance with New Source Performance Standards.
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 for this permit. These materials shall be retained at least three (3) 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;
 6. the results of such analyses.
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 the relevant facts which 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.

GENERAL CONDITIONS:

16. In the case of an underground injection control permit, the following permit conditions also shall apply:
 - (a) All reports or information required by the Department shall be certified as being true, accurate and complete.
 - (b) Reports of compliance or noncompliance with, or any progress reports on, requirements contained in any compliance schedule of this permit shall be submitted no later than 14 days following each schedule date.
 - (c) Notification of any noncompliance which may endanger health or the environment shall be reported verbally to the Department within 24 hours and again within 72 hours, and a final written report provided within two (2) weeks.
 1. The verbal reports shall contain any monitoring or other information which indicate that any contaminant may endanger an underground source of drinking water and any noncompliance with a permit condition or malfunction of the injection system which may cause fluid migration into or between underground sources of drinking water.
 2. The written submission shall contain a description of and a discussion of the cause of the noncompliance and, if it has not been corrected, the anticipated time the noncompliance is expected to continue, the steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance and all information required by Rule 62-28.230(4)(b), F.A.C.
 - (d) The Department shall be notified at least 180 days before conversion or abandonment of an injection well, unless abandonment within a lesser period of time is necessary to protect waters of the state.
17. The following conditions also shall apply to a hazardous waste facility permit:
 - (a) The following reports shall be submitted to the Department:
 1. Manifest discrepancy report. If a significant discrepancy in a manifest is discovered, the permittee shall attempt to rectify the discrepancy. If not resolved within 15 days after the waste is received, the permittee shall immediately submit a letter report, including a copy of the manifest, to the Department.
 2. Unmanifested waste report. The permittee shall submit an unmanifested report to the Department within 15 days of receipt of unmanifested waste.
 3. Biennial report. A biennial report covering facility activities during the previous calendar year shall be submitted by March 1 of each even numbered year pursuant to Chapter 62-730, F.A.C.
 - (b) Notification of any noncompliance which may endanger health or the environment, including the release of any hazardous waste that may endanger public drinking water supplies or the occurrence of a fire or explosion from the facility which could threaten the environment or human health outside the facility, shall be reported verbally to the Department within 24 hours, and a written report shall be provided within five (5) days. The verbal report shall include the name, address, identification (I.D.) number, and the telephone number of the facility, its owner or operator, the name and quantity of materials involved, the extent of any injuries, an assessment of actual or potential hazards, within 24 hours, and a written report shall be provided within five (5) days. The verbal report shall and the estimated quantity and disposition of recovered material. The written submission shall contain:
 1. A description and cause of the noncompliance.
 2. If not corrected, the expected time of correction, and the steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance.
 - (c) Reports of compliance or noncompliance with, or any progress reports on, requirements in any compliance schedule shall be submitted no later than 14 days after each schedule date.
 - (d) All reports or information required by the Department by a hazardous waste permittee shall be signed by a person authorized to sign a permit application.

SPECIFIC CONDITIONS:

1. Sampling, reporting and effluent limitations for this Wastewater Treatment Facility (WWTF) for the period allowed to operate under this permit shall be in accordance with Florida Administrative Code (F.A.C.) Chapters 62-600 and 62-601 and are as follows for the flows to the concentrate blending operation prior to the effluent reuse system.

PARAMETER	EFFLUENT LIMIT	MINIMUM FREQUENCY	SAMPLE TYPE	SAMPLE LOCATION
Flow	(b) MGD	Continuous	Flow control valve	Effluent prior to disinfection
CBOD ₅	(a) mg/l	Weekly	24-hour Flow Proportioned Composite	Chlorine Contact Tank Effluent
TSS	(a) mg/l	Daily, Seven (7) Days a week	24-hour Flow Proportioned Composite	Effluent prior to disinfection
pH units	6.0 to 8.5	Continuous	(e) On-line pH Meter	Chlorine Contact Tank Effluent
Chlorine Residual	(c) Min. 1.0 mg/L	Continuous	(e) On-line Chlorine Residual Analyzer	Chlorine Contact Tank Effluent
Fecal Coliforms	(e)	(d) Daily	(d) Grab	Chlorine Contact Tank Effluent
Turbidity	Monitor	Continuous	(e) On-line Turbidity Meter	Effluent prior to disinfection

(a) Limits, Maximum (mg/L).

	annual	monthly	weekly	one time grab
CBOD ₅	20	30	45	60
TSS	5.0	5.0	5.0	5.0

(b) The annual average flow shall be limited to 1.5 mgd

(c) This minimum total chlorine residual shall be maintained after a minimum of 15 minutes contact time at peak hourly flow or after a minimum of 30 minutes contact time at average daily flow pursuant to F.A.C. Rule 62-600.440. Higher residuals or longer contact times may be needed to meet the design and operational criteria for high level disinfection as described in F.A.C. Rule 62-600.440(5).

(d) Grab samples will be collected during periods of peak hydraulic and/or organic loading.

(e) Over a thirty (30) day period, 75 percent of the fecal coliform values shall be below the detection limits. Any one sample shall not exceed 25 fecal coliform values per 100 ml of sample pursuant to F.A.C. Rule 62-600.440(5).

2. The permittee shall retain the engineer of record or other qualified professional engineer to provide resident inspection of construction and to assure conformance with approved engineering plans and specifications and certify completion of construction on DEP Form 62-600.910(3) and availability of record drawings with the additional documentation required by F.A.C. Rule 62-600.730. The permittee shall also comply with F.A.C. Rule 62-600.725.

PERMITTEE:
Mr. William Brant, P.E., Deputy Director
Miami-Dade Water and Sewer Department

IDEN. LOCATION NUMBER: 5013M02271
PERMIT/CERTIFICATION NUMBER: DC 13-263958
DATE OF ISSUE: JUN 26 1995
EXPIRATION DATE: JUN 26 1997

SPECIFIC CONDITIONS:

3. Prior to the construction of the filters, reuse distribution mains and reuse of reclaimed water to the sites covered by this permit, the permittee shall submit and approved by the Department the detailed plans for the filters and the reuse distribution system to be used for this project.
4. The permit does not relieve the permittee from responsibility to obtain or comply with Management and Storage of Surface Water (MSSW) permits.
5. All equipment of the facility shall be operated and maintained so as to function consistently as designed in removing pollutants and not cause a sanitary nuisance or potential health hazard. In the event odor, noise, or lighting adversely affect neighboring developed areas at the levels prohibited by F.A.C. Rule 62-600.400(2)(a), corrective action shall be taken by the permittee. Other corrective action may be required to ensure compliance with rules of the Department.
6. The permittee shall provide, and the Department shall approve, an operating protocol and TSS/turbidity correlation designed to ensure that the high level disinfection criteria will be met before the effluent from the filters is allowed to be discharged to the inplant irrigation system, reclaimed water system storage, or to the reclaimed water reuse system. The operating protocol shall be reviewed and updated and shall be subject to department review and approval at least annually. The operating protocol and TSS/turbidity correlation shall be submitted in a timely manner such that they are received by the Department by July 31 of each year summarizing the previous year's data. Reclaimed water produced at the treatment facility that fails to meet the criteria established in the operating protocol shall not be discharged into system storage or to the reuse system. Such substandard reclaimed water (reject water) shall be either stored for subsequent additional treatment or shall be discharged to another permitted system requiring lower levels of pretreatment. The correlation between TSS and turbidity shall be determined from infield sampling. F.A.C. Rule 62-610.463.
7. Prior to placing a reuse system(s) permitted under Part III of F.A.C. Chapter 62-610, into operation as required by F.A.C. Rule 62-610.840, the permittee and engineer of record shall submit:
 - a. Two (2) completed Certification of Completion of Construction Forms, DEP Forms 62-610.910(3) and 62-600.910(3).
 - b. Certification of availability of Record Drawings and Specifications in a specific location. Record drawings are required for treatment, transmission, distribution, storage, reuse, land application, and discharge facilities. For Part III reuse projects, record drawings are not required for application and distribution facilities on the properties of individual users
 - c. Certification of availability of the Operation and Maintenance Manual in a specific location.
 - d. Documentation of an approved operations protocol and cross-connection control program, F.A.C. Rules 62-610.463 and 62-610.470.
 - e. Copies of binding agreements for projects involving discharge of reclaimed water or effluent onto property not previously submitted.
8. The public shall be notified of the use of reclaimed water. This shall be accomplished by the posting of advisory signs in the area where reuse is practiced, notes on scorecards, or by other methods.

SPECIFIC CONDITIONS:

9. All reclaimed water valves and outlets shall be appropriately tagged or labeled to warn the public and employees that the water is not intended for drinking. All piping, pipelines, valves, and outlets shall be color coded, or otherwise marked, to differentiate reclaimed water from domestic or other water.
10. A buffer distance of 75 feet from the edge of the wetted area of the public access spray irrigation area to shallow, potable, water supply wells, shall be maintained.
11. Within 100 feet from outdoor public eating, drinking and bathing facilities, low trajectory nozzles, or other means to minimize aerosol formation shall be used.
12. Maximum obtainable separation of reclaimed water lines shall be practiced. A minimum horizontal separation of five (5) feet (center to center) or three (3) feet (outside to outside), shall be maintained between reclaimed water lines and either potable water mains or sewage collection lines. The provisions of F.A.C., Rule 62-604, are applicable to crossings.
13. The proposed construction shall not interfere with the existing wastewater treatment plant from being in compliance of all applicable permits.
14. This project is a modification of the reuse system being constructed under DC-13-255571. The conditions in that permit must be complied with and made a part of this permit by reference.
15. Ground Water Monitoring Plan
 - (a) The ground water monitoring system in compliance with F.A.C. Chapter 62-522 shall be constructed in the individual major public access site prior to the application of reclaimed water. The site-specific ground water flow direction of the shallow water table aquifer shall be determined. Based on flow direction, the monitoring wells shall be located and designated as either compliance, intermediate or background.
 - (b) Within 30 days of completion of construction, record surveyed drawings shall be prepared and submitted indicating all well locations (descriptive), well identification number (MW?), and designation (background etc.), and elevation of all permanent benchmarks and/or corner markers. The top of casing and water table elevations for each well shall be surveyed with elevations referenced to National Geodetic Vertical Datum (NGVD) +/- 0.1 ft.
 - (c) Within 60 days of completion of construction of the ground water monitoring system and prior to commencing of reclaimed water land application, at a minimum initial sampling and analysis for Primary and Secondary Drinking Water Standard parameters as specified in F.A.C. Rules 62-550.310 and 62-550.320 shall be performed on the monitoring well(s) designated intermediate at each individual site with results submitted to the Domestic Waste Compliance/Enforcement Section in West Palm Beach DEP office.

(Continued on the following page)

PERMITTEE:
Mr. William Brant, P.E., Deputy Director
Miami-Dade Water and Sewer Department

IDEN. APPLICATION NUMBER: 5013M02271
PERMIT/CERTIFICATION NUMBER: DC 13-263958
DATE OF ISSUE: JUN 26 1995
EXPIRATION DATE: JUN 26 1997

SPECIFIC CONDITIONS:

Quarterly analysis shall include the following indicator parameters:

PARAMETER NAME	STORET CODE	UNITS
Nitrate	000620	mg/L
Ammonia Nitrogen (NH ₃ as N)	000610	mg/L
Total Coliform	031502	#/100 ml
Fecal Coliform	031616	#/100 ml
Total Dissolved Solids (TDS)	070304	mg/L
Chlorides	000940	mg/L
pH (field)	000400	standard units
Specific Conductance	000095	µmhos/cm
Water Table Elevation (NGVD)	082545	0.1 foot
Purge volume (3 to 5 times wet casing volume)	----	gallon

(d) Quarterly sampling and analysis shall be performed each January, April, July, and October on all well. All results shall be submitted on DEP Form 62-601.900(3) to: Department of Environmental Protection Domestic Waste Compliance/Enforcement Section (Ground Water Monitoring), P.O.Box 15425 West Palm Beach, FL 33416

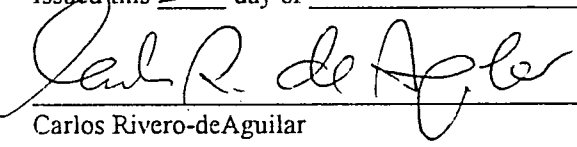
(e) Annual sampling and analysis shall be performed each February on a representative (24-hour composite) sample of the WWTF's effluent for primary and secondary drinking water standard parameters listed in F.A.C. Rules 62-550.310 and 62-550.320, with results submitted to the Department at the above address. Annual sampling performed under a different permit is acceptable.

(f) The field testing, sample collection and preservation, and laboratory testing, including quality control procedures shall be in accordance with methods approved by the Department (e.g. Standard Methods, American Society for Testing and Material (A.S.T.M.), the Environmental Protection Agency (E.P.A.), or other equivalents). Approved methods for chemical analyses are summarized in the Federal Register, October 26, 1984 (40 Code of Federal Regulations (CFR) 136).

(g) If at any time, ground water standards and/or criteria are exceeded, the permittee may resample the monitor wells within 15 days to verify the original analysis. The Domestic Waste Compliance/Enforcement Section (Ground Water Monitoring), in the Department's West Palm Beach Office must be notified prior to the resampling so that a split sample may be obtained by the Department's discretion. Should resampling not be conducted, the Department will consider the water quality analyses as representative of current ground water conditions at the site.

(h) All monitoring wells shall be properly maintained and marked at all times.

Issued this 23 day of JUNE, 1995


Carlos Rivero-deAguilar
Director of District Management
Southeast District
STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION



JUL 1 1998

Lawton Chiles
Governor

SECTION 1001
Department of
Environmental Protection

Southeast District
P.O. Box 15425
West Palm Beach, Florida 33416

Virginia B. Wetherell
Secretary

In the matter of an
Application for Permit
by:

DEP File No. FL0032182-002-DWIP
Dade County

Mr. William M. Brant
Miami Dade Water and Sewer Department
4200 Salzedo Street
Coral Gables, Florida 33146

Enclosed is Permit Number FL0032182-002-DWIP to construct an automatic chlorination system at the North District Facility, issued under section(s) 403.087 of the Florida Statutes.

Any party to this order (permit) has the right to seek judicial review of the permit under section 120.68 of the Florida Statutes, by the filing of a Notice of Appeal under rule 9.110 of the Florida Rules of Appellate Procedure, with the Clerk of the Department of Environmental Protection, 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 of appeal must be filed within thirty days after this notice is filed with the Clerk of the Department.

Executed in West Palm Beach, Florida.

STATE OF FLORIDA DEPARTMENT OF
ENVIRONMENTAL PROTECTION

for John F. Montero, III 7/1/98
Carlos Rivero-deAguilar Date
Director of District Management
Southeast District

CRA/AM/BLR/jpm

CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this NOTICE OF PERMIT and all copies were mailed before the close of business on July 1, 1998 to the listed persons.

FILING AND ACKNOWLEDGMENT

FILED, on this date, under section 120.52(7), Florida Statutes, with the designated Department Clerk, receipt of which is hereby acknowledged.

[Clerk]

[Date]

Copies furnished to:

Francine Ffolkes, OGC/TAL
Shiv Shahi, DEP/WPB
Bertha Goldenberg, MDWASD
Richard Wilson, Brown and Caldwell
Dave Williams, Brown and Caldwell



Department of Environmental Protection

Lawton Chiles
Governor

Southeast District
P.O. Box 15425
West Palm Beach, Florida 33416

Virginia B. Wetherell
Secretary

Telephone Number: (561) 681-6600

Facsimile Number: (561) 681-6760

NOTICE OF PERMIT REVISION

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Dade County
DW - North District WWTF/ Effluent Chlorination
Modification
DEP Application Number: FL0032182-002-DW1P
DEP Permit Number: FL0032182-002-DW1P

Mr. William M. Brant
Miami-Dade Water and Sewer Department
4200 Salzedo Street
Coral Gables, Florida 33146

RE: Revision of Permit Number FL0032182-001, processed as Permit Number FL0032182-002-DW1P.

Dear Mr. Brant:

The Department has reviewed your request with a \$1000 application fee, received on August 21, 1997, regarding the installation of an automatic chlorination system at the North District facility.

The conditions in DEP Permit Number FL0032182-001 remain in effect and are made part of this permit by reference. This modification of permit number FL0032182-001 does not affect the remainder of the permit conditions and is incorporated into DEP Permit Number FL0032182-001 as Section VII. A copy of DEP Permit Number FL0032182-001 and all attachments/revisions must be attached to this permit and be available to all staff at the wastewater treatment plant.

THIS SPACE INTENTIONALLY LEFT BLANK

PERMITTEE:
Miami Dade Water and Sewer Department
c/o Mr. William Brant

PERMIT NUMBER:
DATE OF ISSUANCE:
DATE OF EXPIRATION:

FL0032182-002-DW1P
JUL 1 1998
Concurrent with the
existing permit

DEP Permit Number FL0032182-001 is revised as follows:

Section VII

I. Schedules

1. The following construction schedule for the installation of the automatic chlorination facilities shall be followed, unless a minor permit revision is issued to amend the schedule:

Implementation Step	Scheduled Completion Date
a. Start construction.	Within 30 days of permit issuance
b. Submit Plan of Study to justify alternative sampling procedures.	Within 30 days of permit issuance
c. Place the automatic chlorination facilities in operation for pilot testing.	Upon Approval of the Plan of Study
d. Apply for permit revision to operate automatic chlorination system.	One year after the approval of the Plan of Study
e. Comply with revised effluent limitations.	Upon Permit Issuance

[62-620.400, 12-24-96]

2. The permittee shall continue to conduct the Chlorine Study as referenced in DEP Permit Number FL0032182-001 Section II Specific Condition 1(h). [62-620.320(1) and (2), 12-24-96] [62-4.070(3), 10-16-95]
3. This permit pertains to only the construction activities and subsequent testing period associated with the installation and testing of the proposed automated chlorination system. This permit does not indicate Departmental approval of any alternative sampling points, nor does it alternative sampling procedures other than those already outlined under the facility's operating permit (DEP Permit Number FL0032182-001 Section II).
4. The permittee shall report Total Residual Chlorine in accordance with the previous permit. The Department approval of the Plan of Study may allow a temporary reduction of the permit limit as specified in DEP Permit Number FL0032182-001 Section II for Total Residual Chlorine consistent with achieving bacteriological criteria for basic level disinfection during the testing period of the automatic chlorination system.
5. Prior to placing the new facilities into operation or any individual unit processes into operation, for any purpose other than testing for leaks and equipment operation, the permittee shall complete and submit to the Department DEP Form 62-620.910(12), Notification of Completion of Construction for Domestic Wastewater Facilities. [62-620.630(2), 12-24-96]
6. Within six months after a facility is placed in operation, the permittee shall provide written certification to the Department on Form 62-620.910(13) that record drawings pursuant to Chapter 62-600, F.A.C., and that an operation and maintenance manual

PERMITTEE:
Miami Dade Water and Sewer Department
c/o Mr. William Brant

PERMIT NUMBER: FL0032182-002-DW1P
DATE OF ISSUANCE: JUL 1 1998
DATE OF EXPIRATION: Concurrent with the
existing permit

pursuant to Chapters 62-600 and 62-610, F.A.C., as applicable, are available at the location specified on the form. [62-620.630(7), 12-24-96]

7. Florida water quality criteria and standards shall not be violated as a result of any discharge or land application of reclaimed water or residuals from this facility. [62-620.320(9), 12-24-96; 62-302.500(2)(e), 12-26-96; 62-610.850(1)(a) and (2)(a), 1-9-96; 62-640.700(3)(c), 3-1-91]
8. This permit does not relieve the permittee from liability and penalties 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; 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. The permittee shall take all reasonable steps to minimize or prevent any discharge, reuse of reclaimed water, or residuals use or disposal in violation of this permit which has a reasonable likelihood of adversely affecting human health or the environment. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. [62-620.610(5), 12-24-96]
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 as such use is proscribed by Section 403.111, Florida Statutes, or Rule 62-620.302, Florida Administrative Code. Such evidence shall only be used to the extent that it is consistent with the Florida Rules of Civil Procedure and applicable evidentiary rules. [62-620.610(10), 12-24-96]

A person whose substantial interests are affected by this modification may petition for an administrative proceeding (hearing) in accordance with Section 120.57, Florida Statutes (F.S.). The petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Tallahassee, Florida 32399-3000, within 14 days of receipt of this notice. Petitioner shall mail a copy of the petition to the applicant at the address indicated above at the time of filing. Failure to file a petition within this time period shall constitute a waiver of any right such person may have to request an administrative determination (hearing) under Section 120.57, F.S.

The Petition shall contain the following information:

- (a) The name, address, and telephone number of each petitioner, the applicant's name and address, the Department permit file number and the county in which the project is proposed;
- (b) A statement of how and when each petitioner received notice of the Department's action or proposed action;
- (c) A statement of how each petitioner's substantial interests are affected by the Department's action or proposed action;
- (d) A statement of the material facts disputed by petitioner, if any;
- (e) A statement of facts which petitioner contends warrant reversal or modification of the Department's action or proposed action;
- (f) A statement of which rules or statutes petitioner contends require reversal or modification of the Department's action or proposed action; and
- (g) A statement of the relief sought by petitioner, stating precisely the action petitioner wants the Department to take with respect to the Department's action or proposed action.

PERMITTEE:
Miami Dade Water and Sewer Department
c/o Mr. William Brant

PERMIT NUMBER: FL0032182-002-DW1P
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existing permit

If a petition is filed, the administrative hearing process is designed to formulate agency action. Accordingly, the Department's final action may be different from the position taken by it in this modification. Persons whose substantial interests will be affected by any decision of the Department with regard to the application have the right to petition to become a party to the proceeding. The petition must conform to the requirements specified above and be filed (received) within 14 days of receipt of this modification, in the Office of General Counsel at the above address of the Department. Failure to petition within the allowed time frame constitutes a waiver of any right such person has to request a hearing under Section 120.57, F.S., and to participate as a party to this proceeding. Any subsequent intervention will only be at the approval of the presiding officer upon motion filed pursuant to Rule 28-5.207, Florida Administrative Code (F.A.C.).

This modification is final and effective on the date filed with the Clerk of the Department unless a petition is filed in accordance with the above paragraphs or unless a request for extension of time in which to file a petition is filed within the time specified for filing a petition and conforms to Rule 62-103.070, F.A.C. Upon timely filing of a petition or a request for an extension of time, this modification will not be effective until further Order of the Department. When the Order (Modification) is final, any party to the Order has the right to seek judicial review of the Order pursuant to Section 120.68, F. S., by the filing of a Notice of Appeal pursuant to Rule 9.110, Florida Rules of Appellate procedure, with the Clerk of the Department in the Office of General Counsel, 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 of Appeal must be filed within 30 days from the date the Final Order is filed with the Clerk of the Department.

Should you have any questions, please contact John Mitnik of this office at telephone number (561) 681-6738.

Executed in West Palm Beach, Florida.

STATE OF FLORIDA DEPARTMENT OF
ENVIRONMENTAL PROTECTION

fr Carlos Rivero-deAguilar 7/1/98
Date
Director of District Management
Southeast District

CRA/AM/BLR/jpm

Copies furnished to:

Francine Ffolkes, OGC/TLH
Richard Wilson, Brown & Caldwell
Bertha Goldenberg, MDWASD

Shiv Shahi, Compliance/Enforcement Section, DEP/WPB
Dave Williams, Brown & Caldwell

CERTIFICATE OF SERVICE

This is to certify that this NOTICE OF PERMIT MODIFICATION and all copies were mailed before close of business on July 1, 1998 to the listed persons.

FILING AND ACKNOWLEDGMENT:

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

Clifford D. Suenes
Clerk

7/1/98
Date

**FACT SHEET
FOR
STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
DOMESTIC WASTEWATER FACILITY PERMIT**

PERMIT NUMBER: FL0032182-002-DW1P

FACILITY NAME: Miami Dade Water and Sewer Department North District Treatment Facility

FACILITY LOCATION: Miami, Florida
Dade County

NAME OF PERMITTEE: Miami Dade Water and Sewer Department
Mr. William M. Brant

PERMIT WRITER: John Mitnik

I. SYNOPSIS OF APPLICATION

a. Chronology of Application

Application Date: August 21, 1997

Notice of Draft Permit: May 4, 1998

Public Notice Date: June 12, 1998

b. Type of Facility

Domestic Wastewater Treatment Plant
Publicly owned treatment works

Standard Industrial Classification Code: 4952

c. Facility Capacity

Existing Design Capacity: 112.5 mgd AADF

Proposed Increase in Design Capacity: 0 mgd AADF

Proposed Total Design Capacity: 112.5 mgd AADF

Existing Permitted Capacity: 112.5 mgd AADF

Proposed Increase in Permitted Capacity: 0 mgd AADF

Proposed Total Permitted Capacity: 112.5 mgd AADF

d. Description of Effluent or Reclaimed Water Discharges (as reported by applicant)

Outfall Serial Number D001:
 Atlantic Ocean, Class III Water Body
 Annual Average Daily Flow (MGD): 112.5
 pH Range (Standard Units): 6.0-8.5

Pollutants which are present in significant quantities or which are subject to effluent or reclaimed water limitations are as follows:

Parameters	Reported Data		
	Annual Avg.	Lowest Monthly Avg.	Highest Monthly Avg.
Flow (MGD)	96.85	79.78	138.64
CBOD ₅ , mg/L	12	7	18
TSS, mg/L	19	15	24
Fecal Coliform, #/100 ml	--	--	70
TRC (for disinfection), mg/L	1.33	0.77	2.06

6. COMPLIANCE SCHEDULE AND EFFECTIVE DATE OF PROPOSED EFFLUENT OR RECLAIMED WATER LIMITATIONS

Implementation Step	Scheduled Completion Date
a. Start construction.	Within 30 days of permit issuance
b. Submit Plan of Study to justify alternative sampling procedures.	Within 30 days of permit issuance
c. Place the automatic chlorination facilities in operation for pilot testing.	Upon Approval of the Plan of Study
d. Apply for permit revision to operate automatic chlorination system.	One year after the approval of the Plan of Study
e. Comply with revised effluent limitations.	Upon Permit Issuance

Basis: The construction of these facilities is necessary in order to initiate the full scale testing requirements which are needed as part of the on going chlorine residual studies. It is the Department's understanding that these facilities will be operated only for testing purposes, and that all permit limits will be complied with at the sampling points specified in the operating permit throughout the testing period with the exception of Total Residual Chlorine.

A reduction of the permit limit maybe granted pursuant to the approval of the Plan of Study. Miami Dade Water and Sewer is trying to demonstrate that they can effectively disinfect the effluent and still meet TRC criteria at the end of the pipe. The temporary relief would be only for Total Residual Chlorine and not the disinfection standard. The permittee will comply with the bacteriological criteria throughout the testing period.

After the testing period is over the permittee will apply to the Department for a permit revision should they wish to modify the limits or sampling procedures in the current operating permit.

Based on the engineering documentation submitted along with the permit application the Department has reasonable assurance that the construction of these facilities will not have an adverse impact on the environment.

10. APPLICABLE RULES

The following were used as the basis of the permit limitations/conditions:

- | | |
|--|-----------------------|
| A. FAC refers to various portions of the Florida Administrative Code. | |
| The effective dates of FAC Rule Chapters cited in the tables are as follows: | |
| <u>Chapter</u> | <u>Effective Date</u> |
| 62-4 | 10-16-95 |
| 62-302 | 12-26-96 |
| 62-520 | 12-09-96 |
| 62-550 | 12-09-96 |
| 62-600 | 12-24-96 |
| 62-601 | 12-24-96 |
| 62-610 | 01-09-96 |
| 62-620 | 12-24-96 |
| 62-640 | 03-01-91 |
| 62-650 | 12-24-96 |
| 62-699 | 05-20-92 |
| B. FS refers to various portions of the Florida Statutes | |
| C. CFR refers to various portions of the Code of Federal Regulations, Title 40 | |
| D. BPJ refers to Best Professional Judgment | |

11. DEP CONTACT

Additional information concerning the permit may be obtained during normal business hours from:

Brad Russell
PE III
Department of Environmental Protection Southeast District Office
400 North Congress Avenue
West Palm Beach, Florida 33401
Telephone No.: (561) 681-6743

12. THE ADMINISTRATIVE RECORD

The administrative record including application, draft permit, fact sheet, public notice (after release), comments received and additional information is available for public inspection during normal business hours at the location specified in item 11.

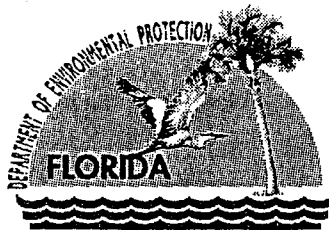
13. PROPOSED SCHEDULE FOR PERMIT ISSUANCE

Draft permit to Applicant and EPA May 1, 1998

Proposed Public Comment Period Beginning: May 1, 1998
Ending: May 31, 1998

Notice of Agency Action June 10, 1998

Proposed Effective Date of Permit July 15, 1998



SECTION VIII

HB

Department of Environmental Protection

Jeb Bush
Governor

Southeast District
P.O. Box 15425
West Palm Beach, Florida 33416

David B. Struhs
Secretary

MAR 23 2001

NOTICE OF PERMIT REVISION

CERTIFIED MAIL #7000 0600 0024 1599 3437
RETURN RECEIPT REQUESTED

Telephone Number: (561) 681-6600
Facsimile Number: (561) 681-6760

Miami-Dade Water and Sewer Department
c/o Mr. John W. Chorlog, Jr., P.E.
Assistant Director, Treatment
4200 Salzedo Street
Coral Gables, FL 33146

Miami-Dade County
DW - MDWASD North District Wastewater Treatment
Facility (WWTF)
DEP Application Number: FL0032182-006-DW1
DEP Permit Number: FL0032182

Dear Mr. Chorlog:

RE: Demolition of Grit Chamber

The Department has reviewed your request received on March 20, 2001 for demolition of grit chamber located at the MDWASD North District WWTF. The Department approves submitted plans, however, the permittee shall follow all required rules and regulations associated with the project. The Department has permitting jurisdiction under Section 403 Florida Statutes (F.S.).

This revision does not affect the remainder of the permits issued under Permit Number FL0032182. When referencing the permit together with this permit revision, please utilize the Wastewater Permit Number FL0032182.

The Department's proposed agency action shall become final unless a timely petition for an administrative hearing is filed under Sections 120.569 and 120.57 of the Florida Statutes before the deadline for filing a petition. The procedures for petitioning for a hearing are set forth below.

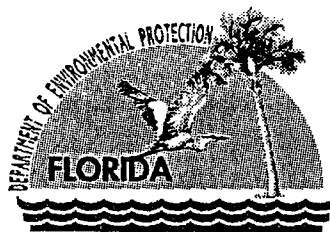
A person whose substantial interests are affected by the Department's proposed permitting decision may petition for an administrative proceeding (hearing) under Sections 120.569 and 120.57 of the Florida Statutes. The petition must contain the information set forth below and must be filed (received by the clerk) in the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000.

Petitions by the applicant or any of the parties listed below must be filed within fourteen days of receipt of this written notice. Petitions filed by any persons other than those entitled to written notice under Section 120.60(3) of the Florida Statutes must be filed within fourteen days of publication of the notice or within fourteen days of receipt of the written notice, whichever occurs first.

Under Section 120.60(3) of the Florida Statutes, however, any person who has asked the Department for notice of agency action may file a petition within fourteen days of receipt of such notice, regardless of the date of publication.

"More Protection, Less Process"

Printed on recycled paper.



Jeb Bush
Governor

MAR 23 2001

SECTION VIII
Department of
Environmental Protection

Southeast District
P.O. Box 15425
West Palm Beach, Florida 33416

David B. Struhs
Secretary

NOTICE OF PERMIT REVISION

CERTIFIED MAIL #7000 0600 0024 1599 3437
RETURN RECEIPT REQUESTED

Telephone Number: (561) 681-6600
Facsimile Number: (561) 681-6760

Miami-Dade Water and Sewer Department
c/o Mr. John W. Chorlog, Jr., P.E.
Assistant Director, Treatment
4200 Salzedo Street
Coral Gables, FL 33146

Miami-Dade County
DW - MDWASD North District Wastewater Treatment
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A person whose substantial interests are affected by the Department's proposed permitting decision may petition for an administrative proceeding (hearing) under Sections 120.569 and 120.57 of the Florida Statutes. The petition must contain the information set forth below and must be filed (received by the clerk) in the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000.

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Under Section 120.60(3) of the Florida Statutes, however, any person who has asked the Department for notice of agency action may file a petition within fourteen days of receipt of such notice, regardless of the date of publication.

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Printed on recycled paper.

The 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 or request for mediation 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 of the Florida Statutes. Any subsequent intervention (in a proceeding initiated by another party) will be only at the discretion of the presiding officer upon the filing of a motion in compliance with Rule 28-106.205 of the Florida Administrative Code.

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

- (a) The name, address, and telephone number of each petitioner; the name, address, and telephone number of the petitioner's representative, if any; the Department permit identification number and the county in which the subject matter or activity is located;
 - (b) A statement of how and when each petitioner received notice of the Department action;
 - (c) A statement of how each petitioner's substantial interests are affected by the Department action;
 - (d) A statement of all disputed issues of material fact. If there are none, the petition must so indicate;
 - (e) A statement of facts that the petitioner contends warrant reversal or modification of the Department action;
 - (f) A concise statement of the ultimate facts alleged, as well as the rules and statutes which entitle the petitioner to relief;
- and
- (g) A statement of the relief sought by the petitioner, stating precisely the action that the petitioner wants the Department to take.

A petition that does not dispute the material facts on which the Department'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.

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

In addition to requesting an administrative hearing, any petitioner may elect to pursue mediation. The election may be accomplished by filing with the Department a mediation agreement with all parties to the proceeding (i.e., the applicant, the Department, and any person who has filed a timely and sufficient petition for a hearing). The agreement must contain all the information required by Rule 28-106.404. The agreement must be received by the clerk in the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000, within ten days after the deadline for filing a petition, as set forth above. Choosing mediation will not adversely affect the right to a hearing if mediation does not result in a settlement.

As provided in Section 120.573 of the Florida Statutes, the timely agreement of all parties to mediate will toll the time limitations imposed by Sections 120.569 and 120.57 for holding an administrative hearing and issuing a final order. Unless otherwise agreed by the parties, the mediation must be concluded within sixty days of the execution of the agreement. If mediation results in settlement of the administrative dispute, the Department must enter a final order incorporating the agreement of the parties. Persons seeking to protect their substantial interests that would be affected by such a modified final decision must file their petitions within fourteen days of receipt of this notice, or they shall be deemed to have waived their right to a proceeding under Sections 120.569 and 120.57. If mediation terminates without settlement of the dispute, the Department shall notify all parties in writing that the administrative hearing processes under Sections 120.569 and 120.57 remain available for disposition of the dispute, and the notice will specify the deadlines that then will apply for challenging the agency action and electing remedies under those two statutes.

This action is final and effective on the date filed with the Clerk of the Department unless a petition (or request for mediation) is filed in accordance with the above. Upon the timely filing of a petition (or request for mediation) this order will not be effective until further order of the Department.

Any party to the order has the right to seek judicial review of the order under Section 120.68 of the Florida Statutes, by the filing of a notice of appeal under Rule 9.110 of the Florida Rules of Appellate Procedure with the Clerk of the Department in the Office of General Counsel, 3900 Commonwealth Boulevard, Mail Station 35, 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 of appeal must be filed within 30 days from the date when the final order is filed with the Clerk of the Department.

Should you have any questions, please contact Neha Pandya of this office at telephone number (561) 681-6738.

Executed in West Palm Beach, Florida.

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION


Linda A. Horne, P.G. 3/22/01
Water Facilities Administrator Date
Southeast District

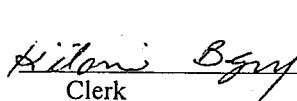

FMM/njp/FL0032182/Pv 06 1

CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this **NOTICE OF PERMIT REVISION** and all copies were mailed before the close of business on **MAR 23 2001** to the listed persons.

FILING AND ACKNOWLEDGMENT

FILED, on this date, under Section 120.52(7), Florida Statutes, with the designated Department Clerk, receipt of which is hereby acknowledged.


Clerk 3/23/01
Date

Copies furnished to: Jon Sammons, DEP/WPB
Humberto Codispoti, P.E., MDWAS, 3575 S LeJeune Rd., Coral Gables, FL 33146



Lawton Chiles
Governor

Florida Department of Environmental Protection

SECTION IX Part II

Southeast District
P.O. Box 15425
West Palm Beach, Florida 33416

Virginia B. Wetherell
Secretary

NOTICE OF PERMIT

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

FEB 24 1994

FILE

Mr. William Brant, P.E., Deputy Director
Miami Dade Water And Sewer Authority Department
3575 S. LeJuene Road
Miami, Florida 33146-2221

Dade County
DW - Miami Dade Water And Sewer Authority
Department (MDWASAD) North District Wastewater
Treatment Facility (WWTF) Filtration System and
Florida International University (FIU) Reuse System

Dear Mr. Brant:

Enclosed is Permit Number DC 13-243187, for re-issuance of DC 13-173174, to construct a tertiary filtration system and irrigation mains for the subject WWTF issued pursuant to Section(s) 403.087, Florida Statutes (F. S.).

A person whose substantial interests are affected by this permit may petition for an administrative proceeding (hearing) in accordance with Section 120.57, F. S. The petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of the Department at 2600 Blair Stone Road, Tallahassee 32399-2400, within 14 days of receipt of this Permit. Petitioner shall mail a copy of the petition to the applicant at the address indicated above at the time of filing. Failure to file a petition within that time period shall constitute a waiver of any right such person may have to request an administrative determination (hearing) pursuant to Section 120.57, F. S.

The petition shall contain the following information: (a) The name, address, and telephone number of each petitioner, the applicant's name and address, the Department Permit File Number and the county in which the project is proposed; (b) A statement of how and when each petitioner received notice of the Department's action or proposed action; (c) A statement of how each petitioner's substantial interests are affected by the Department's action or proposed action; (d) A statement of the material facts disputed by petitioner, if any; (e) A statement of facts which petitioner contends warrant reversal or modification of the Department's action or proposed action; (f) A statement of which rules or statutes petitioner contends require reversal or modification of the Department's action; and (g) A statement of the relief sought by petitioner, stating precisely the action petitioner wants the Department to take with respect to the Department's action or proposed action.

If a petition is filed, the administrative hearing process is designed to formulate agency action. Accordingly, the Department's final action may be different from the position taken by it in this permit. Persons whose substantial interests will be affected by any decision of the Department with regard to the application have the right to petition to become a party to the proceeding. The petition must conform to the requirements specified above and be filed (received) within 14 days of publication of this notice in the Office of General Counsel at the above address of the Department. Failure to petition within the allowed time frame constitutes a waiver of any right such person has to request a hearing under Section 120.57, F.S., and to participate as a party to this proceeding. Any subsequent intervention will only be at the approval of the presiding officer upon motion filed pursuant to Rule 28-5.207, Florida Administrative Code, (F.A.C.).

This permit is final and effective on the date filed with the Clerk of the Department unless a petition is filed in accordance with the above paragraphs or unless a request for extension of time in which to file a petition is filed within the time specified for filing a petition and conforms to Rule 17-103.070, F.A.C. Upon timely filing of a petition or a request for an extension of time this permit will not be effective until further Order of the Department.

Mr. William Brant, P.E., Deputy Director
Miami Dade Water And Sewer Authority Department
Page 2

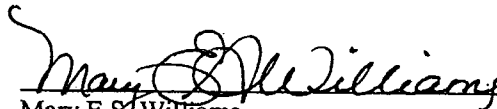
FILE

When the Order (Permit) is final, any party to the Order has the right to seek judicial review of the Order pursuant to section 120.68, F. S., by the filing of a Notice of Appeal pursuant to Rule 9.110, Florida Rules of Appellate Procedure, with the Clerk of the Department in the Office of General Counsel, 2600 Blair Stone Road, Tallahassee, Florida 32399-2400; 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 of Appeal must be filed within 30 days from the date the Final Order is filed with the Clerk of the Department.

If you have any questions, please contact Michael Zetts at telephone number (407) 433-2650.

Executed in West Palm Beach, Florida.

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION


Mary E. Williams
Director of District Management
1900 South Congress Avenue, Suite A
Post Office Box 15425
West Palm Beach, FL 33416
Telephone (407) 433-2650

MESW:mzr/3187

Copies furnished to:

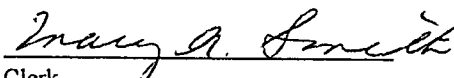
Lori Killinger, OGC/Th.
Jose López, DERM
Robert A. Cuevas, P.E., MDWASAD
Steve Sugg, P.E., Burns And McDonnell
Howard Fallon, P.E., MDWASAD

CERTIFICATE OF SERVICE

This is to certify that this NOTICE OF PERMIT and all copies were mailed before close of business on FEB 24 1994 to the listed persons.

Clerk Stamp

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


Clerk

FEB 24 1994
Date



Florida Department of Environmental Protection

Lawton Chiles
Governor

Southeast District
P.O. Box 15425
West Palm Beach, Florida 33416

Virginia B. Wetherell
Secretary

FILE

Telephone: 407/433-2650

PERMITTEE:

Mr. William Brant, P.E., Deputy Director
Miami Dade Water And Sewer Authority Department
3575 S. LeJuene Road
Miami, Florida 33146-2221

I.D. NUMBER: 5013M02271

PERMIT/CERTIFICATION NUMBERS: DC 13-243187

DATE OF ISSUE: **FEB 24 1994**

EXPIRATION DATE: **FEB 24 1996**

COUNTY: Dade

LATITUDE/LONGITUDE: 25°55'11"N/80°05'24"W

SECTION/TOWNSHIP/RANGE: 16/54S/42E

PROJECT: Miami Dade Water And Sewer Authority
Department (MDWASAD) North District Wastewater
Treatment Facility (WWTF) Filtration System and Florida
International University (FIU) Reuse System

This permit is issued under the provisions of Chapter 403.087, Florida Statutes, and Florida Administrative Code (F.A.C.) Rules 17-4 and 17-600. The above named permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans, and other documents attached hereto or on file with the Department and made a part hereof and specifically described as follows:

TO CONSTRUCT: A tertiary filtration system and spray irrigation distribution mains. The tertiary filtration system will consist of three (3) gravity flow single-media filters each 14 feet (ft.) in diameter with a filtering rate of 4.5 gallons per minute per square foot (gpm/sq. ft.) and having a backwash rate of 20 gpm/sq.ft. Backwash is to be routed back to the treatment plant. A coagulant feed system will be installed to enhance filtration (the coagulant feed system may remain idle if the Total Suspended Solids (TSS) limitation is being achieved without chemical addition). High level disinfection will be provided. Automatic monitoring equipment for turbidity and chlorine residual will be installed. Disinfection will be provided by use of the existing chlorination system and the existing chlorine contact tanks. Reclaimed water will be pumped by the existing plant non-potable high service water pumps (two (2) pumps with a rating of 6,000 gallons per minute (gpm) at 160 ft. of total dynamic head each). Reclaimed water will be pumped through new irrigation mains which are included in this permit. A new 12 inch (in.) diameter irrigation main will leave the southern end of the treatment plant and follow the plant entrance road to N.E. 151st Street to Bay Vista Boulevard and connect to a vault with a venturi meter installed near the FIU property line. Additional mains will be installed on FIU property and will connect to existing irrigation vaults. Prior to the use of reclaimed water for spray irrigation at FIU, a cross-connection control/identification plan must be approved by the Department, and implemented. This permit does not include any increase in the effluent disposal capacity of the treatment facility. The reclaimed water will also be used for the treatment plants non-potable water supply.

IN ACCORDANCE WITH: The application, DER Form 17-600.910(1), and supporting information documentation received January 3, 1994, and the public notice published on June 15, 1990, in the Miami Herald and the previously published issued construction permit (DC 13-173174).

LOCATED AT: Biscayne Boulevard and Northeast 151st Street, North Miami, Dade County.

TO SERVE: As treatment to provide spray irrigation water for FIU (F.A.C. Chapter 17-610 Part III Reuse) and the North District's non-potable water supply.

SUBJECT TO: General Conditions 1 - 15 and Specific Conditions 1-16

GENERAL CONDITIONS:

FILE

1. The terms, conditions, requirements, limitations and restrictions set forth in the permit, are "permit conditions" and are binding and enforceable pursuant to Sections 403.141, 403.727, or 403.859 through 403.861, F.S. 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.

2. This permit is valid only for the specific processes and operations applied for as indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the Department.

3. As provided in subsections 403.087(6) and 403.722(5), F.S., the issuance of this permit does not convey any 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 of or approval of any other Department permit that may be required for other aspects of the total project which are not addressed in this permit.

4. This permit conveys no title to land or water, does not constitute State recognition or acknowledgement 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.

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.

6. The permittee shall properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed and used by the permittee to achieve compliance with the conditions of this permit, are 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.

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 reasonable times, access to the premises where the permitted activity is located or conducted to:

- (a) Have access to and copy any records that must be kept under 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.

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 noncompliance; and
- (b) The period of noncompliance, including dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance. 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.

GENERAL CONDITIONS:

FILE

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 Section 403.111 and 403.73, F.S. Such evidence shall only be used to the extent it is consistent with the Florida Rules of Civil Procedure and appropriate evidentiary rules.

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.

11. This permit is transferable only upon Department approval in accordance with Rule 17-4.120 and 17-30.300, 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.

12. This permit or a copy thereof shall be kept at the work site of the permitted activity.

13. This permit also constitutes:

- () Determination of Best Available Control Technology (BACT)
- () Determination of Prevention of Significant Deterioration (PSD)
- () Certification of compliance with state Water Quality Standards (Section 401, PL 92-500)
- () Compliance with New Source Performance Standards

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 for 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;
 - 6. the results of such analyses.

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 the 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.

PERMITTEE:
Mr. William Brant, P.E., Deputy Director
Miami Dade Water And Sewer Authority Department

I.D. NUMBER: 5013M02271
PERMIT/CERTIFICATION NUMBERS: DC 13-243187
DATE OF ISSUE: FEB 24 1994
EXPIRATION DATE: FEB 24 1996

SPECIFIC CONDITIONS:

FILE

1. Sampling, reporting and effluent limitations for this Wastewater Treatment Facility (WWTF) for the period allowed to operate under this permit shall be in accordance with Florida Administrative Code (F.A.C.) Chapters 17-600 and 17-601 and are as follows:

PARAMETER	EFFLUENT LIMIT	MINIMUM FREQUENCY	SAMPLE TYPE	SAMPLE LOCATION
Flow	(b) MGD	Continuous	Venturi Meter	Effluent prior to application
CBOD ₅	(a) mg/L	Weekly	Composite	Effluent
TSS	(a) mg/L	Daily, Seven (7) Days a week	Grab	Effluent prior to disinfection
pH units	6.0 to 8.5	Continuous	Grab	Effluent
Chlorine Residual	(c) Minimum. 1.0 mg/L	Continuous	Metered	Effluent
Fecal Coliforms	(e)	Daily, Seven (7) Days a week	(d) Grab	Effluent
Turbidity	Monitor	Continuous	Metered	Effluent prior to disinfection

(a) Limits, Maximum milligrams per liter (mg/L)

	Annual	Monthly	Weekly	One Time Grab
CBOD ₅	20	30	45	60
TSS	5.0	5.0	5.0	5.0

- (b) The annual average daily flow shall not exceed 3.0 million gallons per day (MGD).
- (c) This minimum total chlorine residual shall be maintained after 15 minutes contact time at peak hourly flow or after 30 minutes contact time at average daily flow pursuant to F.A.C. Rule 17-600.440.
- (d) Grab samples will be collected during periods of peak hydraulic and/or organic loading.
- (e) Over a 30 day period, 75 percent of the fecal coliform values shall be below the detection limits. Any one sample shall not exceed 25 fecal coliform values per 100 ml of sample pursuant to F.A.C. Rule 17-600.440(5).

2. The permittee shall retain the engineer of record or other qualified professional engineer to provide resident inspection of construction and to assure conformance with approved engineering plans and specifications and certify completion of construction on DER Forms 17-600.910(3) and 17-610.910(3) and availability of record drawings with the additional documentation required by F.A.C. Rule 17-600.730.

PERMITTEE:

Mr. William Brant, P.E., Deputy Director
Miami Dade Water And Sewer Authority Department

I.D. NUMBER: 5013M02271

PERMIT/CERTIFICATION NUMBERS: DC 13-243187

DATE OF ISSUE: FEB 24 1994

EXPIRATION DATE: FEB 24 1996

SPECIFIC CONDITIONS:

FILE

3. Written approval shall be received prior to placing a reuse system permitted under Part III of Chapter 17-610, F.A.C. into operation as required by Rule 17-610.840, F.A.C. To receive approval, the Engineer of Record shall submit:

1. Two (2) completed Certification of Completion of Construction Forms, DER Forms 17-600.910(3) and 17-610.910(3).
2. Two (2) sets of Record Drawings and Specifications.
3. One Draft Copy of the Operation and Maintenance Manual.
4. The permittee shall make application for an operation permit or request an extension of the expiration date of this construction permit at least sixty (60) days prior to the expiration of this permit pursuant to F.A.C. Rule 17-4.090.
5. The owner shall employ certified operators in accordance with the provisions of F.A.C. Chapter 17-699 and Rule 17-602.370. This facility is Category II, Class A, and requires at a minimum a Class A, lead/chief operator with staffing by Class C or higher operator on-site 24 hour(s) per day, 7 days per week. The lead/chief operator shall be on duty for one (1) full shift each duty day.
6. The permittee shall develop a correlation between turbidity and TSS for operational protocol based on sampling data as it becomes available. The permittee shall develop, and the Department shall approve, an operating protocol designed to ensure that the high level disinfection criteria will be met before the reclaimed water is released to the reclaimed water reuse system. The operating protocol shall be reviewed and updated and shall be subject to Department review and approval at least annually. Reclaimed water produced at the treatment facility that fails to meet the criteria established in the operating protocol shall not be discharged to the reuse system pursuant to F.A.C. Rule 17-610.463.
7. The effluent disposal facilities shall be operated and maintained at all times so as to prevent overflow or seepage of effluent to adjacent ground surfaces or run-off to surface waters. The zone of discharge for this facility shall be limited to an area including the spray irrigation areas and a 100 foot wide strip surrounding the perimeter of the spray irrigation areas or to the property limits, whichever is less, down to the base of the underlying unconfined aquifer.
8. A setback distance of 75 feet from the edge of the wetted area of the public access spray irrigation area to shallow, potable, water supply wells, shall be maintained.
9. Within 100 feet from outdoor public eating, drinking and bathing facilities, low trajectory nozzles, or other means to minimize aerosol formation shall be used.
10. A minimum horizontal separation between reclaimed water lines (including culverts) and either potable water mains or sewage collection lines of five (5) feet (center to center) or three (3) feet (outside to outside) shall be maintained with 18 inches of vertical separation at all crossings.
11. An Operation and Maintenance (O&M) manual shall be prepared for the facility covering both the treatment plant and effluent disposal systems and shall include an effluent management plan. A draft copy shall be submitted to the Department with the Certification of Completion of Construction, and a final copy of the manual shall be made available for the use of operating personnel.
12. Flow measurement devices shall be calibrated on a yearly basis and certification of calibration shall be submitted in January for each year.
13. This permit does not relieve the permittee from compliance with the applicable provisions of Chapter 24 of the Metropolitan Dade County Code.

PERMITTEE:

Mr. William Brant, P.E., Deputy Director
Miami Dade Water And Sewer Authority Department

I.D. NUMBER: 5013M02271

PERMIT/CERTIFICATION NUMBERS: DC 13-243187

DATE OF ISSUE: FEB 24 1994

EXPIRATION DATE: FEB 24 1996

SPECIFIC CONDITIONS:

FILE

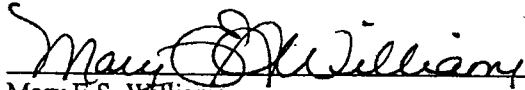
14. Prior to the use of reclaimed water for spray irrigation at the FIU campus, a cross-connection control/identification must be approved by the Department.

15. This permit does not allow for an increase in the treatment facility's permitted effluent disposal capacity.

16. Pursuant to F.A.C. Rule 17-610.490, prior to commencing irrigation of reclaimed water, a binding Agreement shall be executed with the entity responsible for FIU and submitted to the Department.

Issued this 24TH day of FEBRUARY, 1994

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION



Mary E.S. Williams
Director of District Management



Department of Environmental Protection

Section IX Part I

Lawton Chiles
Governor

Southeast District
P.O. Box 15425
West Palm Beach, Florida 33416

Virginia B. Wetherell
Secretary

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

FEB - 7 1995

Mr. William Brant, Deputy Director
Miami-Dade Water and Sewer Department
3575 S. Lejeune Road
Miami, Florida 33146-2221

NOTICE OF PERMIT

Dade County
DW - Miami-Dade North District Wastewater
Management Facility/Filter System Expansion

FILE COPY

Dear Mr. Brant:

Enclosed is Permit Number DC 13-255571, to construct four (4) filters (Tetra Filter, Leopold Filter and the two (2) Dynasand filters) and related appurtenances to the effluent reuse system at the North District Wastewater Treatment Facility being constructed under DEP Permit Number DC 13-243187, issued pursuant to Section(s) 403.087, Florida Statutes (F.S.). This permit supersedes and modifies DEP Permit Number DC 13-243187.

Any party to this Order (permit) has the right to seek judicial review of the permit pursuant to Section 120.68, F.S., by the filing of a Notice of Appeal pursuant to Rule 9.110, Florida Rules of Appellate Procedure, with the Clerk of the Department in the Office of General Counsel, 2600 Blair Stone Road, Tallahassee, Florida 32399-2400; 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 of Appeal must be filed within 30 days from the date this Notice is filed with the Clerk of the Department.

If you have any questions, please contact Michael W. Bechtold, P.E. at telephone number (407) 433-2650.

Executed in West Palm Beach, Florida.

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Carlos R. deAguiar 2/7/95
Date

Carlos Rivero-deAguilar
Director of District Management
Southeast District
Post Office Box 15425
West Palm Beach, FL 33416

CRA/AM/mb/255571

Copies furnished to:

Lynette Ciardulli, OGC/TLH
John Petronio, DEP/WPB

Robert P. Huguenard, Brown and Caldwell/Maitland
Jose Lopez, DERM

CERTIFICATE OF SERVICE

This is to certify that this NOTICE OF PERMIT and all copies were mailed before close of business on FEB - 7 1995 to the listed persons.

Clerk Stamp

FILING AND ACKNOWLEDGMENT:

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

Linda Ischappat
Clerk

FEB - 7 1995

Date

"Protect, Conserve and Manage Florida's Environment and Natural Resources"



Department of Environmental Protection

Lawton Chiles
Governor

Southeast District
P.O. Box 15425
West Palm Beach, Florida 33416

Telephone Number: (407) 433-2650
Facsimile Number: (407) 433-2666
Virginia B. Wetherell
Secretary

PERMITTEE:

Mr. William Brant, Deputy Director
Miami-Dade Water and Sewer Department
3575 S. Lejeune Road
Miami, Florida 33146-2221

IDENTIFICATION NUMBER: 5013M02271

PERMIT/CERTIFICATION NUMBER: DC 13-255571

DATE OF ISSUE: FEB - 7 1995

EXPIRATION DATE: FEB 7 1997

COUNTY: Palm Beach

LATITUDE/LONGITUDE: 2555'04"N/8009'12"W

SECTION/TOWNSHIP/RANGE: 16/52S/42E

PROJECT: Miami-Dade North District Wastewater
Management Facility/Filter System Expansion

This permit is issued under the provisions of Chapter 403.087, Florida Statutes (F.S.), and Chapters 62-4, 62-600 and 62-604, Florida Administrative Code (F.A.C.). This permit supersedes and modifies DEP Permit Number DC 13-243187. The above named permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans, and other documents attached hereto or on file with the Department and made a part hereof and specifically described as follows:

TO CONSTRUCT:

Construction authorized under DEP Permit Number DC 13-243187: A tertiary filtration system and spray irrigation distribution mains. The tertiary filtration system will consist of three (3) gravity flow filters each 14' 8" (fourteen feet eight inches) in diameter with a maximum filtration rate of 4.0 gallons per minute per square foot (gpm/sq. ft.) and having a backwash rate of 20 gpm/sq. ft. Backwash is to be routed back to the headworks of the treatment plant. A coagulant feed system will be installed to enhance filtration (coagulant feed system may remain idle if the Total Suspended Solids (TSS) limitations is being achieved without chemical addition). High level disinfection will be provided. Automatic monitoring equipment for turbidity and chlorine residual will be installed. Disinfection will be provided by use of the existing chlorination system and one of the existing chlorine contact tanks. Reclaimed water will be pumped by the existing plant non-potable high service water pumps (two (2) pumps with a rating of 6,000 gallons per minute (gpm) at 160 ft. total dynamic head each). Reclaimed water will be pumped through new irrigation mains which are included in this permit. A new 12-inch diameter irrigation main will leave the southern end of the treatment plant and follow the plant entrance road to N.E. 151st Street to Bay Vista Boulevard and connect to a vault with a venturi meter installed near the FIU property line. Additional mains will be installed on FIU property and will connect to existing irrigation vaults. Prior to the use of reclaimed water for spray irrigation at FIU, a cross-connection control/identification plan must be approved by the Department, and implemented. This permit does not include any increase in the effluent disposal capacity of the treatment facility. The reclaimed water will also be used for the treatment plant's non-potable water supply.

Additional construction:

Two (2) DynaSand continuous back wash, upflow, deep-bed granular media filters each 10 ft. by 10 ft. with a maximum filtration rate of 4.0 gallons per minute per square foot (gpm/sq. ft.) will be added to the tertiary filtration system. Backwash is to be routed back to the headworks of the treatment plant.

One (1) TETRA Deep Bed gravity filter measuring 14 ft. in diameter with a maximum filtration rate of 4.0 gallons per minute per square foot (gpm/sq. ft.) and having a backwash rate of 20 gpm/sq. ft. will be added to the tertiary filtration system. Backwash is to be routed back to the headworks of the treatment plant.

One (1) Leopold deep-bed gravity filter measuring 10 ft. by 14 ft. with a maximum filtration rate of 4.0 gallons per minute per square foot (gpm/sq. ft.) and having a backwash rate of 20 gpm/sq. ft. will be added to the tertiary filtration system. Backwash is to be routed back to the headworks of the treatment plant.

Permittee:
Mr. William Brant, Deputy Director
Miami-Dade Water and Sewer Department

Identification Number: 5013M02271
Permit/Certification Number: DC 13-255571
Date of Issue: FEB - 7 1995
Expiration Date: FEB 7 1997

A new flow splitter box will distribute secondary treated wastewater to the effluent filters. Three (3) Flash mix/flocculation tanks will be added to the coagulant feed system. A blend box will be added for future use in association with the injection well system. No discharge piping from the blend box is included in this permit.

IN ACCORDANCE WITH: The permit application, DER Form 62-604.900(1), with a \$500.00 application fee received on August 5, 1994. Additional information was received on October 25, 1994, November 29, 1994, and December 14, 1994. The public notice published on January 10, 1995, in the Miami Daily Business Review was received on January 18, 1995.

LOCATED AT: Biscayne Boulevard and Northeast 151st Street, North Miami, Dade County, Florida.

TO SERVE: Approximately 450,000 sewered population of the North District Service Area.

SUBJECT TO: General Conditions 1 - 17 and Specific Conditions 1 - 12

GENERAL CONDITIONS:

1. The terms, conditions, requirements, limitations and restrictions set forth in this permit, are "permit conditions" and are binding and enforceable pursuant to Sections 403.141, 403.727, or 403.859 through 403.861, Florida Statutes (F.S.). 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.
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, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the Department.
3. As provided in subsections 403.087(6) and 403.722(5), F.S., the issuance of this permit does not convey any 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 of or approval of any other Department permit that may be required for other aspects of the total project which are not addressed in this permit.
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.
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.
6. The permittee shall properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed and used by the permittee to achieve compliance with the conditions of the permit, are 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.
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 reasonable times, access to the premises where the permitted activity is located or conducted to:
 - (a) Have access to and copy any records that must be kept under 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.
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 noncompliance; and
 - (b) The period of noncompliance, including dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance. 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.

GENERAL CONDITIONS:

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 403.111 and 403.73, F.S. Such evidence shall only be used to the extent it is consistent with the Florida Rules of Civil Procedure and appropriate evidentiary rules.
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.
11. This permit is transferable only upon Department approval in accordance with Rules 62-4.120 and 62-730.300, Florida Administrative Code (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.
12. This permit or a copy thereof shall be kept at the work site of the permitted activity.
13. This permit also constitutes:
 - (a) Determination of Best Available Control Technology (BACT).
 - (b) Determination of Prevention of Significant Deterioration (PSD).
 - (c) Certification of compliance with State Water Quality Standards (Section 401, PL 92-500).
 - (d) Compliance with New Source Performance Standards.
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 for this permit. These materials shall be retained at least three (3) 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;
 6. the results of such analyses.
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 the relevant facts which 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.
16. In the case of an underground injection control permit, the following permit conditions also shall apply:

GENERAL CONDITIONS:

- (a) All reports or information required by the Department shall be certified as being true, accurate and complete.
- (b) Reports of compliance or noncompliance with, or any progress reports on, requirements contained in any compliance schedule of this permit shall be submitted no later than 14 days following each schedule date.
- (c) Notification of any noncompliance which may endanger health or the environment shall be reported verbally to the Department within 24 hours and again within 72 hours, and a final written report provided within two (2) weeks.

1. The verbal reports shall contain any monitoring or other information which indicate that any contaminant may endanger an underground source of drinking water and any noncompliance with a permit condition or malfunction of the injection system which may cause fluid migration into or between underground sources of drinking water.

2. The written submission shall contain a description of and a discussion of the cause of the noncompliance and, if it has not been corrected, the anticipated time the noncompliance is expected to continue, the steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance and all information required by Rule 62-28.230(4)(b), F.A.C.

- (d) The Department shall be notified at least 180 days before conversion or abandonment of an injection well, unless abandonment within a lesser period of time is necessary to protect waters of the state.

17. The following conditions also shall apply to a hazardous waste facility permit:

- (a) The following reports shall be submitted to the Department:

1. Manifest discrepancy report. If a significant discrepancy in a manifest is discovered, the permittee shall attempt to rectify the discrepancy. If not resolved within 15 days after the waste is received, the permittee shall immediately submit a letter report, including a copy of the manifest, to the Department.

2. Unmanifested waste report. The permittee shall submit an unmanifested report to the Department within 15 days of receipt of unmanifested waste.

3. Biennial report. A biennial report covering facility activities during the previous calendar year shall be submitted by March 1 of each even numbered year pursuant to Chapter 62-730, F.A.C.

(b) Notification of any noncompliance which may endanger health or the environment, including the release of any hazardous waste that may endanger public drinking water supplies or the occurrence of a fire or explosion from the facility which could threaten the environment or human health outside the facility, shall be reported verbally to the Department within 24 hours, and a written report shall be provided within five (5) days. The verbal report shall include the name, address, identification (I.D.) number, and the telephone number of the facility, its owner or operator, the name and quantity of materials involved, the extent of any injuries, an assessment of actual or potential hazards, within 24 hours, and a written report shall be provided within five (5) days. The verbal report shall and the estimated quantity and disposition of recovered material. The written submission shall contain:

1. A description and cause of the noncompliance.

2. If not corrected, the expected time of correction, and the steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance.

- (c) Reports of compliance or noncompliance with, or any progress reports on, requirements in any compliance schedule shall be submitted no later than 14 days after each schedule date.

- (d) All reports or information required by the Department by a hazardous waste permittee shall be signed by a person authorized to sign a permit application.

SPECIFIC CONDITIONS:

1. Sampling, reporting and effluent limitations for this Wastewater Treatment Facility (WWTF) for the period allowed to operate under this permit shall be in accordance with Florida Administrative Code (F.A.C.) Chapters 62-600 and 62-601 and are as follows for the flows to the effluent reuse system.

PARAMETER	EFFLUENT LIMIT	MINIMUM FREQUENCY	SAMPLE TYPE	SAMPLE LOCATION
Flow	(b) MGD	Continuous	Metered	Effluent prior to disinfection
CBOD ₅	(a) mg/l	Weekly	Composite	Effluent
TSS	(a) mg/l	Daily, Seven (7) Days a week	Grab	Effluent prior to disinfection
pH units	6.0 to 8.5	Continuous	Grab	Effluent
Chlorine Residual	(c) Min. 1.0 mg/L	Continuous	Metered	Effluent
Fecal Coliforms	(e)	(d) Grab	(d) Grab	Effluent
Turbidity	Monitor	Continuous	Metered	Effluent prior to disinfection

(a) Limits, Maximum (mg/L).

	annual	monthly	weekly	one time grab
CBOD ₅	20	30	45	60
TSS	5	5	5	5

(b) Initially, the maximum hourly flow to the filtered water chlorine contact tank shall not exceed 1.5 million gallons per day (MGD). Higher capacity may be allowed in the operational permit after the permittee has demonstrated compliance with the high level disinfection requirement with a lower contact time in the chlorine contact basin.

(c) This minimum total chlorine residual shall be maintained after a minimum of 15 minutes contact time at peak hourly flow or after a minimum of 30 minutes contact time at average daily flow pursuant to F.A.C. Rule 62-600.440. Higher residuals or longer contact times may be needed to meet the design and operational criteria for high level disinfection as described in F.A.C. Rule 62-600.440(5).

(d) Grab samples will be collected during periods of peak hydraulic and/or organic loading.

(e) Over a thirty (30) day period, 75 percent of the fecal coliform values shall be below the detection limits. Any one sample shall not exceed 25 fecal coliform values per 100 ml of sample pursuant to F.A.C. Rule 62-600.440(5).

2. The permittee shall retain the engineer of record or other qualified professional engineer to provide resident inspection of construction and to assure conformance with approved engineering plans and specifications and certify completion of construction on DER Form 62-600.910(3) and availability of record drawings with the additional documentation required by F.A.C. Rule 62-600.730. The Permittee shall also comply with F.A.C. Rule 62-600.725.

3. An automatic control system will be installed to assure that the backwash cycle for the effluent filters (excluding the continuous backwash filters) will not begin until the existing backwash storage tank is empty. In addition, a report shall be submitted prior to obtaining an operation permit for the filter system that the backwash transmission system with backwash storage tank can handle, with all 7 filters in service at the design loading, the backwash and all other anticipated

Permittee:
Mr. William Brant, Deputy Director
Miami-Dade Water and Sewer Department

Identification Number: 5013M02271
Permit/Certification Number: DC 13-255571
Date of Issue: FEB - 7 1995
Expiration Date: FEB 7 1997

SPECIFIC CONDITIONS:

flows. The report should indicate whether any of the filters must be out of service to prevent overflows of the backwash transmission system.

4. The professional engineer who prepares the Certification of Completion of Construction shall certify therein that the wastewater treatment facilities have been constructed substantially in accordance with the approved plans and specifications, or that any deviations will not prevent the system from functioning in compliance with the requirements of the applicable Department rules. The engineer shall note and explain substantial deviations from the approved plans and specifications. The certification shall be based upon on-site observation of construction (scheduled and conducted by the engineer or by a project representative under their direct supervision) for the purpose of determining if the work proceeded in compliance with plans and specifications. The record drawings to be submitted shall be furnished by the contractor (based on information gathered and prepared under his direction), and reviewed by the professional engineer who prepares the Certification of Completion of Construction, to determine their adequacy.

5. All equipment of the facility shall be operated and maintained so as to function consistently as designed in removing pollutants and not cause a sanitary nuisance or potential health hazard. In the event odor, noise, or lighting adversely affect neighboring developed areas at the levels prohibited by F.A.C. Rule 62-600.400(2)(a), corrective action shall be taken by the permittee. Other corrective action may be required to ensure compliance with rules of the Department.

6. An un-installed standby mixer shall be provided for the three (3) flash mix/flocculation tanks.

7. The permit does not relieve the permittee from responsibility to obtain or comply with Management and Storage of Surface Water (MSSW) permits.

8. The discharge from the filters may be used for the portion of the inplant water system that is used for chlorinator feed water and the sludge force main dilution water without disinfection.

9. The permittee shall provide, and the Department shall approve, an operating protocol and TSS/turbidity correlation designed to ensure that the high level disinfection criteria will be met before the effluent from the filters is allowed to be discharged to the inplant irrigation system, reclaimed water system storage, or to the reclaimed water reuse system. The operating protocol shall be reviewed and updated and shall be subject to department review and approval at least annually. The operating protocol and TSS/turbidity correlation shall be submitted in a timely manner such that they are received by the Department by July 31 of each year summarizing the previous year's data. Reclaimed water produced at the treatment facility that fails to meet the criteria established in the operating protocol shall not be discharged into system storage or to the reuse system. Such substandard reclaimed water (reject water) shall be either stored for subsequent additional treatment or shall be discharged to another permitted system requiring lower levels of pretreatment. The correlation between TSS and turbidity shall be determined from infield sampling for each type of filter and combinations of filters. If correlation is not possible due to the number of different filters being utilized, construction modification(s) may be required prior to the Department approval. F.A.C. Rule 62-610.463.

Permittee:
Mr. William Brant, Deputy Director
Miami-Dade Water and Sewer Department

Identification Number: 5013M02271
Permit/Certification Number: DC 13-255571
Date of Issue: FEB - 7 1995
Expiration Date: FEB 7 1997

SPECIFIC CONDITIONS:

10. The discharge from the filters may be used for the portion of the inplant water system that is used for uses not addressed in specific condition 8 and 9 above without meeting basic disinfection requirements contained in F.A.C. Rule 62-600.440(4).

Sampling, reporting and effluent limitations for this Wastewater Treatment Facility (WWTF) for the period allowed to operate under this permit shall be in accordance with Florida Administrative Code (F.A.C.) Chapters 62-600 and 62-601 and are as follows for the flows to the effluent reuse system.

PARAMETER	EFFLUENT LIMIT	MINIMUM FREQUENCY	SAMPLE TYPE	SAMPLE LOCATION
Chlorine Residual	(a) Min. 0.5 mg/L	Continuous	Metered	Effluent
Fecal Coliforms	Avg. 200/100 ml Max. 800/100 ml	(b) Grab	(b) Grab	Effluent

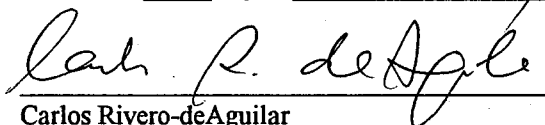
(a) This minimum total chlorine residual shall be maintained after 15 minutes contact time at peak hourly flow or after 30 minutes contact time at average daily flow pursuant to F.A.C. Rule 17-600.440.

(b) Grab samples will be collected during periods of peak hydraulic and/or organic loading.

11. The proposed construction shall not interfere with the existing wastewater treatment plant from being in compliance of all applicable permits.

12. The Specific Condition numbers 2 through 16, contained in DEP Permit Number DC 13-243187, are made a part of this permit by reference.

Issued this 7 day of FEBRUARY, 1995



Carlos Rivero-deAguilar
Director of District Management
Southeast District
STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION



Department of Environmental Protection

FILE

Jeb Bush
Governor

Southeast District
P.O. Box 15425
West Palm Beach, Florida 33416

David B. Struhs
Secretary

NOTICE OF PERMIT REVISION

October 15, 2003 ELECTRONIC CORRESPONDENCE

Mr. William Brant, Director
MDWASD North District WWTF
3071 SW 38th Ave.
Miami, Florida 33146
EMAIL: wmbra01@miamidade.gov

Miami-Dade County
DW – MDWASD/North District WWTF
Minor Permit Revision
Permit No. FL0032182
Application No. FL0032182-007-DW1

Dear Mr. Brant:

The Department has reviewed your request with a \$500.00 application fee, received on September 2, 2003, to modify the existing Consolidated Wastewater Permit Number FL0032182-001 to allow the construction of improvements to the primary clarifiers scum removal system.

The request for permit revision is hereby approved in accordance with Section 403.087, Florida Statutes. We are also taking this opportunity to update permit conditions to be consistent with recent rule revisions. The following revisions are made to the Consolidated Permit Number FL0032182-001:

- Add Section VIII and IX to the Consolidated Permit:

VIII. OTHER SPECIFIC CONDITIONS

1. Prior to placing the new facilities covered under the consolidated permit into operation or any individual unit processes into operation, for any purpose other than testing for leaks and equipment operation, the Permittee shall complete and submit to the Department DEP Form 62-620.910(12), Notification of Completion of Construction for Domestic Wastewater Facilities. [62-620.630(2)]
2. Within six months after a facility is placed in operation, the Permittee shall provide written certification to the Department on Form 62-620.910(13) that record drawings pursuant to Chapter 62-600, F.A.C., and that an operation and maintenance manual pursuant to Chapters 62-600 and 62-610, F.A.C., as applicable, are available at the location specified on the form. [62-620.630(7)]
3. If the Permittee wishes to continue operation of this wastewater facility after the expiration date of this permit, the Permittee shall submit an application for renewal, using Department Forms 62-620.910(1) and (2), no later than one-hundred and eighty days (180) prior to the expiration date of this permit. [62-620.410(5)]
4. Florida water quality criteria and standards shall not be violated as a result of any discharge or land application of reclaimed water or residuals from this facility. [62-620.320(9) and 62-302.500(2)(e)][62-610.850(1)(a) and (2)(a)]
5. In the event that the treatment facilities or equipment no longer function as intended, are no longer safe in terms of public health and safety, or odor, noise, aerosol drift, or lighting adversely affects neighboring developed areas at the levels prohibited by Rule 62-600.400(2)(a), F.A.C., corrective action (which may include additional maintenance or modifications of the permitted facilities) shall be taken by the Permittee. Other corrective action may be required to ensure compliance with rules of the Department. Additionally, the treatment, management, use or land application of residuals shall not

- cause a violation of the odor prohibition in Rule 62-296.320(2), F.A.C. [62-600.410(8) and 62-640.400(6)]
6. The deliberate introduction of stormwater in any amount into collection/transmission systems designed solely for the introduction (and conveyance) of domestic/industrial wastewater; or the deliberate introduction of stormwater into collection/transmission systems designed for the introduction or conveyance of combinations of storm and domestic/industrial wastewater in amounts which may reduce the efficiency of pollutant removal by the treatment plant is prohibited, except as provided by Rule 62-610.472, F.A.C. [62-604.130(3)]
 7. Collection/transmission system overflows shall be reported to the Department in accordance with Permit Condition IX. 20. [62-604.550] [62-620.610(20)]
 8. The operating authority of a collection/transmission system and the Permittee of a treatment plant are prohibited from accepting connections of wastewater discharges which have not received necessary pretreatment or which contain materials or pollutants (other than normal domestic wastewater constituents):
 - a. Which may cause fire or explosion hazards; or
 - b. Which may cause excessive corrosion or other deterioration of wastewater facilities due to chemical action or pH levels; or
 - c. Which are solid or viscous and obstruct flow or otherwise interfere with wastewater facility operations or treatment; or
 - d. Which result in treatment plant discharges having temperatures above 40°C.[62-604.130(4)]
 9. The treatment facility, storage ponds, rapid infiltration basins, and/or infiltration trenches shall be enclosed with a fence or otherwise provided with features to discourage the entry of animals and unauthorized persons. [62-600.400(2)(b)]
 10. Screenings and grit removed from the wastewater facilities shall be collected in suitable containers and hauled to a Department approved Class I landfill or to a landfill approved by the Department for receipt/disposal of screenings and grit. [62-701.300(1)(a)]

IX. GENERAL CONDITIONS

1. The terms, conditions, requirements, limitations and restrictions set forth in this permit are binding and enforceable pursuant to Chapter 403, Florida Statutes. Any permit noncompliance constitutes a violation of Chapter 403, Florida Statutes, and is grounds for enforcement action, permit termination, permit revocation and reissuance, or permit revision. [62-620.610(1)]
2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviations from the approved drawings, exhibits, specifications or conditions of this permit constitutes grounds for revocation and enforcement action by the Department. [62-620.610(2)]
3. As provided in Subsection 403.087(6), F.S., the issuance of this permit does not convey any vested rights or any exclusive privileges. Neither does it authorize any injury to public or private property or any invasion of personal rights, nor authorize any infringement of federal, state, or local laws or regulations. This permit is not a waiver of or approval of any other Department permit or authorization that may be required for other aspects of the total project which are not addressed in this permit. [62-620.610(3)]

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. [62-620.610(4)]
5. This permit does not relieve the Permittee from liability and penalties 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; 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. The Permittee shall take all reasonable steps to minimize or prevent any discharge, reuse of reclaimed water, or residuals use or disposal in violation of this permit which has a reasonable likelihood of adversely affecting human health or the environment. It shall not be a defense for a Permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. [62-620.610(5)]
6. If the Permittee wishes to continue an activity regulated by this permit after its expiration date, the Permittee shall apply for and obtain a new permit. [62-620.610(6)]
7. The Permittee shall at all times properly operate and maintain the facility and systems of treatment and control, and related appurtenances, that are installed and used by the Permittee to achieve compliance with the conditions of this permit. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to maintain or achieve compliance with the conditions of the permit. [62-620.610(7)]
8. This permit may be modified, revoked and reissued, or terminated for cause. The filing of a request by the Permittee for a permit revision, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance does not stay any permit condition. [62-620.610(8)]
9. The Permittee, by accepting this permit, specifically agrees to allow authorized Department personnel, including an authorized representative of the Department and authorized EPA personnel, when applicable, upon presentation of credentials or other documents as may be required by law, and at reasonable times, depending upon the nature of the concern being investigated, to:
 - a. Enter upon the Permittee's premises where a regulated facility, system, or activity is located or conducted, or where records shall be kept under the conditions of this permit;
 - b. Have access to and copy any records that shall be kept under the conditions of this permit;
 - c. Inspect the facilities, equipment, practices, or operations regulated or required under this permit; and
 - d. Sample or monitor any substances or parameters at any location necessary to assure compliance with this permit or Department rules.[62-620.610(9)]
10. 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 as such use is proscribed by Section 403.111, Florida Statutes, or Rule 62-620.302, Florida Administrative Code. Such evidence shall only be used to the extent that it is consistent with the Florida Rules of Civil Procedure and applicable evidentiary rules. [62-620.610(10)]
11. When requested by the Department, the Permittee shall within a reasonable time provide any information required by law which is needed to determine whether there is cause for revising, revoking and reissuing, or terminating this permit, or to determine compliance with the permit. The Permittee

shall also provide to the Department upon request copies of records required by this permit to be kept. If the Permittee becomes aware of relevant facts that were not submitted or were incorrect in the permit application or in any report to the Department, such facts or information shall be promptly submitted or corrections promptly reported to the Department. [62-620.610(11)]

12. Unless specifically stated otherwise in Department rules, the Permittee, in accepting this permit, 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. A reasonable time for compliance with a new or amended surface water quality standard, other than those standards addressed in Rule 62-302.500, F.A.C., shall include a reasonable time to obtain or be denied a mixing zone for the new or amended standard. [62-620.610(12)]
13. The Permittee, in accepting this permit, agrees to pay the applicable regulatory program and surveillance fee in accordance with Rule 62-4.052, F.A.C. [62-620.610(13)]
14. This permit is transferable only upon Department approval in accordance with Rule 62-620.340, F.A.C. The Permittee shall be liable for any noncompliance of the permitted activity until the transfer is approved by the Department. [62-620.610(14)]
15. The Permittee shall give the Department written notice at least 60 days before inactivation or abandonment of a wastewater facility and shall specify what steps will be taken to safeguard public health and safety during and following inactivation or abandonment. [62-620.610(15)]
16. The Permittee shall apply for a revision to the Department permit in accordance with Rules 62-620.300, 62-620.420 or 62-620.450, F.A.C., as applicable, at least 90 days before construction of any planned substantial modifications to the permitted facility is to commence or with Rule 62-620.300 for minor modifications to the permitted facility. A revised permit shall be obtained before construction begins except as provided in Rule 62-620.300, F.A.C. [62-620.610(16)]
17. The Permittee shall give advance notice to the Department of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements. The Permittee shall be responsible for any and all damages which may result from the changes and may be subject to enforcement action by the Department for penalties or revocation of this permit. The notice shall include the following information:
 - a. A description of the anticipated noncompliance;
 - b. The period of the anticipated noncompliance, including dates and times; and
 - c. Steps being taken to prevent future occurrence of the noncompliance.[62-620.610(17)]
18. Sampling and monitoring data shall be collected and analyzed in accordance with Rule 62-4.246, Chapters 62-160 and 62-601, F.A.C., and 40 CFR 136, as appropriate.
 - a. Monitoring results shall be reported at the intervals specified elsewhere in this permit and shall be reported on a Discharge Monitoring Report (DMR), DEP Form 62-620.910(10).
 - b. If the Permittee monitors any contaminant more frequently than required by the permit, using Department approved test procedures, the results of this monitoring shall be included in the calculation and reporting of the data submitted in the DMR.
 - c. Calculations for all limitations which require averaging of measurements shall use an arithmetic mean unless otherwise specified in this permit.

- d. Any laboratory test required by this permit shall be performed by a laboratory that has been certified by the Department of Health (DOH) under Chapter 64E-1, F.A.C., where such certification is required by Rule 62-160.300, F.A.C. The laboratory must be certified for any specific method and analyte combination that is used to comply with this permit. For domestic wastewater facilities, the on-site test procedures specified in Rule 62-160.300(4), F.A.C., shall be performed by a laboratory certified test for those parameters or under the direction of an operator certified under Chapter 62-602, F.A.C.
- e. Field activities including on-site tests and sample collection, whether performed by a laboratory or a certified operator, must follow the applicable procedures described in DEP-SOP-001/01 (January 2002). Alternate field procedures and laboratory methods may be used where they have been approved according to the requirements of Rules 62-160.220, and 62-160.330, F.A.C.

[62-620.610(18)]

19. Reports of compliance or noncompliance with, or any progress reports on, interim and final requirements contained in any compliance schedule detailed elsewhere in this permit shall be submitted no later than 14 days following each schedule date. [62-620.610(19)]
20. The Permittee shall report to the Department any noncompliance which may endanger health or the environment. Any information shall be provided orally within 24 hours from the time the Permittee becomes aware of the circumstances. A written submission shall also be provided within five days of the time the Permittee becomes aware of the circumstances. The written submission shall contain: a description of the noncompliance and its cause; the period of noncompliance including exact dates and time, and if the noncompliance has not been corrected, the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent recurrence of the noncompliance.
 - a. The following shall be included as information which must be reported within 24 hours under this condition:
 1. Any unanticipated bypass which causes any reclaimed water or effluent to exceed any permit limitation or results in an unpermitted discharge,
 2. Any upset which causes any reclaimed water or the effluent to exceed any limitation in the permit,
 3. Violation of a maximum daily discharge limitation for any of the pollutants specifically listed in the permit for such notice, and
 4. Any unauthorized discharge to surface or ground waters.
 - b. Oral reports as required by this subsection shall be provided as follows:
 1. For unauthorized releases or spills of treated or untreated wastewater reported pursuant to subparagraph a.4 that are in excess of 1,000 gallons per incident, or where information indicates that public health or the environment will be endangered, oral reports shall be provided to the STATE WARNING POINT TOLL FREE NUMBER (800) 320-0519, as soon as practical, but no later than 24 hours from the time the Permittee becomes aware of the discharge. The Permittee, to the extent known, shall provide the following information to the State Warning Point:
 - a) Name, address, and telephone number of person reporting;
 - b) Name, address, and telephone number of Permittee or responsible person for the discharge;
 - c) Date and time of the discharge and status of discharge (ongoing or ceased);

- d) Characteristics of the wastewater spilled or released (untreated or treated, industrial or domestic wastewater);
 - e) Estimated amount of the discharge;
 - f) Location or address of the discharge;
 - g) Source and cause of the discharge;
 - h) Whether the discharge was contained on-site, and cleanup actions taken to date;
 - i) Description of area affected by the discharge, including name of water body affected, if any; and
 - j) Other persons or agencies contacted.
2. Oral reports, not otherwise required to be provided pursuant to subparagraph b.1 above, shall be provided to the Department within 24 hours from the time the Permittee becomes aware of the circumstances.
- c. If the oral report has been received within 24 hours, the noncompliance has been corrected, and the noncompliance did not endanger health or the environment, the Department shall waive the written report.

[62-620.610(20)]

21. The Permittee shall report all instances of noncompliance not reported under Permit Conditions IX. 18. and 19. of this permit at the time monitoring reports are submitted. This report shall contain the same information required by Permit Condition IX. 20 of this permit. [62-620.610(21)]

22. Bypass Provisions.

- a. Bypass is prohibited, and the Department may take enforcement action against a Permittee for bypass, unless the Permittee affirmatively demonstrates that:
 - 1. Bypass was unavoidable to prevent loss of life, personal injury, or severe property damage; and
 - 2. There were no feasible alternatives to the bypass, such as the use of auxiliary treatment facilities, retention of untreated wastes, or maintenance during normal periods of equipment downtime. This condition is not satisfied if adequate back-up equipment should have been installed in the exercise of reasonable engineering judgment to prevent a bypass which occurred during normal periods of equipment downtime or preventive maintenance; and
 - 3. The Permittee submitted notices as required under Permit Condition IX. 22. b. of this permit.
- b. If the Permittee knows in advance of the need for a bypass, it shall submit prior notice to the Department, if possible at least 10 days before the date of the bypass. The Permittee shall submit notice of an unanticipated bypass within 24 hours of learning about the bypass as required in Permit Condition IX. 20. of this permit. A notice shall include a description of the bypass and its cause; the period of the bypass, including exact dates and times; if the bypass has not been corrected, the anticipated time it is expected to continue; and the steps taken or planned to reduce, eliminate, and prevent recurrence of the bypass.
- c. The Department shall approve an anticipated bypass, after considering its adverse effect, if the Permittee demonstrates that it will meet the three conditions listed in Permit Condition IX. 22. a. 1. through 3. of this permit.

- d. A Permittee may allow any bypass to occur which does not cause reclaimed water or effluent limitations to be exceeded if it is for essential maintenance to assure efficient operation. These bypasses are not subject to the provisions of Permit Condition IX. 22. a. through c. of this permit.

[62-620.610(22)]

23. Upset Provisions

- a. A Permittee who wishes to establish the affirmative defense of upset shall demonstrate, through properly signed contemporaneous operating logs, or other relevant evidence that:
 1. An upset occurred and that the Permittee can identify the cause(s) of the upset;
 2. The permitted facility was at the time being properly operated;
 3. The Permittee submitted notice of the upset as required in Permit Condition IX. 20. of this permit; and
 4. The Permittee complied with any remedial measures required under Permit Condition IX. 5. of this permit.
- b. In any enforcement proceeding, the Permittee seeking to establish the occurrence of an upset has the burden of proof.
- c. Before an enforcement proceeding is instituted, no representation made during the Department review of a claim that noncompliance was caused by an upset is final agency action subject to judicial review.

[62-620.610(23)]

All other applicable conditions included in the original consolidated permit and applicable permit revisions remain unchanged. The Notice of Permit Revision shall become a part of the permit and must be attached to the original permit.

The Department has permitting jurisdiction under Rules. The project is not exempt from permitting procedures. The Department has determined that a wastewater permit is required for the proposed work.

Under Section 403.815, Florida Statutes, and Rule 62-110.106, Florida Administrative Code, you (the applicant) are required to publish at your own expense the enclosed Notice of Intent to Issue Permit. The notice must be published one time only within 30 days in the legal ad section of a newspaper of general circulation in the area affected. For the purpose of this rule, "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, Florida Statutes, in the county where the activity is to take place. Where there is more than one newspaper of general circulation in the county, the newspaper used should be one with significant circulation in the area that may be affected by the permit. If you are uncertain that a newspaper meets these requirements, please contact the Department at the address or telephone number listed below. The applicant must provide proof of publication to the Department, at Southeast District, 400 North Congress Avenue, P.O. Box 15425, West Palm Beach, FL 33416-5425 within seven days of publication. Failure to publish the notice and provide proof of publication within the allotted time may result in the denial of the permit under Rule 62-110.106(11), Florida Administrative Code.

The Department will issue the permit with the attached conditions unless a timely petition for an administrative hearing is filed under Sections 120.569 and 120.57, Florida Statutes, within fourteen days of receipt of notice. The procedures for petitioning for a hearing are set forth below.

A person whose substantial interests are affected by the Department's proposed permitting decision may petition for an administrative proceeding (hearing) under Sections 120.569 and 120.57, Florida Statutes. The

petition must contain the information set forth below and must be filed (received by the clerk) in the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000.

Under Rule 62-110.106(4), Florida Administrative Code, a person may request enlargement of the time for filing a petition for an administrative hearing. The request must be filed (received by the clerk) in the Office of General Counsel before the end of the time period for filing a petition for an administrative hearing.

Petitions by the applicant or any of the persons listed below must be filed within fourteen days of receipt of this written notice. Petitions filed by any persons other than those entitled to written notice under Section 120.60(3), Florida Statutes, must be filed within fourteen days of publication of the notice or within fourteen days of receipt of the written notice, whichever occurs first. Under Section 120.60(3), Florida Statutes, however, any person who has asked the Department for notice of agency action may file a petition within fourteen days of receipt of such notice, regardless of the date of publication.

The 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 or request for enlargement of time within fourteen days of receipt of notice shall constitute a waiver of that person's right to request an administrative determination (hearing) under Sections 120.569 and 120.57, Florida Statutes. Any subsequent intervention (in a proceeding initiated by another party) will be only at the discretion of the presiding officer upon the filing of a motion in compliance with Rule 28-106.205, Florida Administrative Code.

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

- (a) The name, address, and telephone number of each petitioner; the name, address, and telephone number of the petitioner's representative, if any; the Department permit identification number and the county in which the subject matter or activity is located;
- (b) A statement of how and when each petitioner received notice of the Department action;
- (c) A statement of how each petitioner's substantial interests are affected by the Department action;
- (d) A statement of all disputed issues of material fact. If there are none, the petition must so indicate;
- (e) A statement of facts that the petitioner contends warrant reversal or modification of the Department action;
- (f) A concise statement of the ultimate facts alleged, as well as the rules and statutes which entitle the petitioner to relief; and
- (g) A statement of the relief sought by the petitioner, stating precisely the action that the petitioner wants the Department to take.

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

In addition to requesting an administrative hearing, any petitioner may elect to pursue mediation. The election may be accomplished by filing with the Department a mediation agreement with all parties to the proceeding (i.e., the applicant, the Department, and any person who has filed a timely and sufficient petition for a hearing). The agreement must contain all the information required by Rule 28-106.404, Florida Administrative Code. The agreement must be received by the clerk in the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station 35, Tallahassee, Florida 32399-3000, within ten days after the deadline for filing a petition, as set forth above. Choosing mediation will not adversely affect the right to a hearing if mediation does not result in a settlement.

As provided in Section 120.573, Florida Statutes, the timely agreement of all parties to mediate will toll the time limitations imposed by Sections 120.569 and 120.57, Florida Statutes, for holding an administrative hearing and issuing a final order. Unless otherwise agreed by the parties, the mediation must be concluded within sixty days of the execution of the agreement. If mediation results in settlement of the administrative dispute, the Department must enter a final order incorporating the agreement of the parties. Persons seeking to protect their substantial interests that would be affected by such a modified final decision must file their petitions within fourteen days of receipt of this notice, or they shall be deemed to have waived their right to a proceeding under Sections 120.569 and

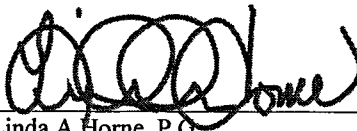
Page 9

120.57, Florida Statutes. If mediation terminates without settlement of the dispute, the Department shall notify all parties in writing that the administrative hearing processes under Sections 120.569 and 120.57, Florida Statutes, remain available for disposition of the dispute, and the notice will specify the deadlines that then will apply for challenging the agency action and electing remedies under those two statutes.

Should you have any questions, please contact Michael Wayne Bechtold, P.E. of this office at telephone number (561) 681-6682.

Executed in West Palm Beach, Florida.

STATE OF FLORIDA DEPARTMENT OF
ENVIRONMENTAL PROTECTION



Linda A Horne, P.O.
Water Facilities Administrator
Southeast District

10/15/03

Date

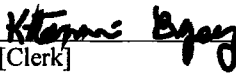
LAH/TP/mwb

CERTIFICATE OF SERVICE

The undersigned duly designated deputy clerk hereby certifies that this NOTICE OF PERMIT REVISION and all copies were emailed before the close of business on October 15, 2003 to the listed persons.

FILING AND ACKNOWLEDGMENT

FILED, on this date, under section 120.52, Florida Statutes, with the designated Department Clerk, receipt of which is hereby acknowledged.



[Clerk]

10/15/03

[Date]

ec: Francine Ffolkes, OGC/TLH, Francine.Ffolkes@dep.state.fl.us
Todd Brown, DEP/WPB, Todd.Brown@dep.state.fl.us
Huy Tran, DEP/WPB, Huy.Tran@dep.state.fl.us
Virginia Buff, EPA/Atlanta, buff.virginia@epa.gov
Richard M O'Rourke, MDWASD, ROROU01@miamidade.gov