



Florida Department of Environmental Protection

Southeast District Office
400 N. Congress Avenue, Suite 200
West Palm Beach, FL 33401
(561) 681-6600

Rick Scott
Governor

Jennifer Carroll
Lt. Governor

Herschel T. Vinyard Jr.
Secretary

March 8, 2012

ELECTRONIC CORRESPONDENCE

In the Matter of an
Application for Permit by:

Wheelabrator South Broward, Inc.
Mr. Scott McIlvaine, Plant Manager
440 South State Road 7
Fort Lauderdale, FL 33314
Email address: JMcIlvaine@WM.com

File Number: FLS267562-003-ISW
Broward County
Wheelabrator South Broward Waste-To-Energy Facility,
Stormwater Discharge Facility (NPDES Individual
Permit)

NOTICE OF PERMIT ISSUANCE (RENEWAL)

Dear Mr. McIlvaine:

Enclosed is Permit Number FLS267562 (renewal), which authorizes the discharge to surface water of stormwater associated with industrial activities (SWAWIA), as defined in 40 CFR 122.26(b)(14), issued under Sections 403.087, 403.088 and 403.0885, Florida Statutes (F.S.). The subject waste-to-energy facility is located at 440 South State Road 7, Fort Lauderdale, Florida 33314 in Broward County.

Monitoring requirements under this permit are effective on the first day of the second month following permit issuance. **Please begin using the new set of Discharge Monitoring Reports (DMRs) enclosed in the renewed permit once it is effective. Please be advised there are several changes in the DMRs in the renewed permit, and also clarifications on certain DMRs submission procedures.** Until such time, the permittee shall continue to monitor and report in accordance with previously effective permit requirements.

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, 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 an extension 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. Section 120.60(3), Florida Statutes, however, also allows that 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 an extension 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, as indicated in Rule 28-106.201, Florida Administrative Code:

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

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.

Mediation under Section 120.573, Florida Statutes, is not available for this proceeding.

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

Any party to the permit has the right to seek judicial review of the permit action under Section 120.68, Florida Statutes, by the filing of a notice of appeal under Rules 9.110 and 9.190, 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 this permit action is filed with the Clerk of the Department.

If you have any questions, please contact Paul Sze at (561) 681-6747, or you may e-mail your inquiry to paul.sze@dep.state.fl.us.

Executed in West Palm Beach, Florida.

STATE OF FLORIDA
DEPT. OF ENVIRONMENTAL PROTECTION



Linda A. Brien, P.G.
Water Facilities Administrator
Southeast District
400 N. Congress Ave., Suite 200
West Palm Beach 33401-2913



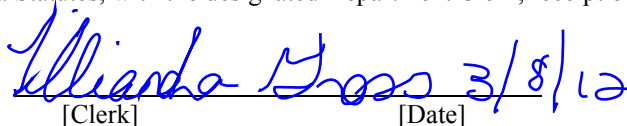
Date

LB:JA/PS/sFLS267562-003-ISW/NR.doc/final

Enclosures: Permit No. FLS267562 and Amended Statement of Basis
Discharge Monitoring Report (DMR) Forms

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]

CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this NOTICE OF PERMIT ISSUANCE and all copies were transmitted before the close of business on March 8, 2012 to the listed persons.

Tilliandra Gross
Name

March 8, 2012
Date

ec: Monica Sudano, DEP/TLH
Danielle Melnick, DEP/WPB
Chuck Faller, Wheelabrator South Broward
Audra McCafferty, McCafferty Brinson
Virginia Buff, USEPA Region IV
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STATE OF FLORIDA INDUSTRIAL STORMWATER FACILITY PERMIT

PERMITTEE:

Wheelabrator South Broward, Inc.

PERMIT NUMBER: FLS267562-003 (Minor)

FILE NUMBER: FLS267562-003-ISW

ISSUANCE DATE: March 8, 2012

EXPIRATION DATE: March 7, 2017

RESPONSIBLE OFFICIAL:

Mr. Scott McIlvaine
Plant Manager
440 South State Road 7
Fort Lauderdale, Florida 33314
Telephone Number: (954) 581-6606

FACILITY:

Wheelabrator South Broward Waste-To-Energy Facility, Stormwater Discharge Facility (Individual Permit)
440 South State Road 7
Fort Lauderdale, Florida 33314
Broward County

Latitude: 26° 04' 08.23" N	Longitude: 80° 12' 15.72" W	(incinerator complex)
Latitude: 26° 04' 11.10" N	Longitude: 80° 12' 09.60" W	(south retention pond outfall D-001)
Latitude: 26° 04' 29.57" N	Longitude: 80° 12' 13.46" W	(monofill site)
Latitude: 26° 04' 41.50" N	Longitude: 80° 12' 04.47" W	(north retention pond outfall D-002)

This permit is issued under the provisions of Chapter 403, Florida Statutes (F.S.), and applicable rules of the Florida Administrative Code (F.A.C.) and constitutes authorization to discharge to waters of the state under the National Pollutant Discharge Elimination System. This permit does not constitute authorization to discharge stormwater or wastewater other than as expressly stated in this permit. The above named permittee is hereby authorized to operate the facilities in accordance with the documents attached hereto and specifically described as follows:

FACILITY DESCRIPTION:

The project is Broward County's major regional mass-burn, waste-to-energy plant capable of processing 2,250 tons of non-hazardous municipal solid waste per day. At full capacity, the plant can generate 66 megawatts of electrical energy for sale to Florida Power and Light Company (project SIC Code nos.: 4953, primary and 4911, secondary). The NPDES permit renewal continues to authorize the discharge of unspecified amounts of stormwater discharges associated with industrial activity (SWAWIA), to off-site surface water through two outfalls located at the facility.

The refuse combustion and energy production process components are all located at the southern section of the project site, whereas the landfill for disposal of the incinerator ash residue ("monofill") is located at the northern section of site. The two sections are separated by a parcel that formerly housed the Fort Lauderdale Compost Plant. The compost plant is no longer in service and that parcel is not part of this permit.

South Site - All stormwater - both SWAWIA and non-SWAWIA generated from across the southern section, that houses the waste-to-energy facility, is collected and conveyed to an estimated 1.9 MG retention pond, located east of the process buildings and discharges through outfall D-001. Stormwater consists mostly of runoffs generated from the paved access roadways, building common areas, roof drains, paved outdoor machinery and equipment storage

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areas, stormwater that has come into contact with only the exterior surfaces of process structures, and non-contact stormwater (non-SWAWIA) from general-purpose impervious areas not associated with industrial activity. The roof drain water (non-SWAWIA) from the main process buildings that house the enclosed tipping area and refuse boilers, is first conveyed to a separate stormwater detention pond located at the southwest corner of the site. Overflow from the detention pond is then conveyed back to the 1.9 MG retention pond on the east side.

All process wastewaters and contaminated stormwater are captured in a central wastewater storage tank ("contact water tank") for various plant reuse, e.g., ash quenching and flue gas cleaning. Boiler makeup water is obtained from city water. The electric power generation unit utilizes an air-cooled condenser.

North Site - Stormwater (SWAWIA) generated from across the northern section, that houses the landfill parcel, is collected and dispersed across a wooded terrain, before entering two continuous retention basins that are laid in series, and have a total estimated storage of 60 MG. The first basin is a deeper wet retention pond, and the second downstream basin is a heavily wooded area that sits on a higher ground. The two contiguous basins are located north of the landfill and discharge through outfall D-002. Stormwater consists mostly of runoffs from paved access roadways to the landfill, and surface runoffs generated from closed or inactive monofill sections, where either an intermediate earthen cover or final membrane liner cover has been placed above the ash residue. Leachate and surface runoffs from the uncovered active monofill sections are collected by a separate drainage systems located within the landfill basin, and are then either returned to the plant for reuse, or sent to the City of Hollywood WWTF for disposal. The previous 2-acre leachate pond located at the south end of the main active monofill section, Cell 1B, has been removed. Leachate is now transferred directly from the leachate collection system to the WWTF.

STORMWATER MANAGEMENT AND TREATMENT:

The stormwater management systems are designed with source control, or emphasis on prevention and reduction of non-point source pollution and excess stormwater inflow, as the central theme of the management methods or Best Management Practices (BMPs). As all the stormwater generated will typically go through a lengthy storage period within the two final retention ponds and the upstream detention pond (south side), before it is ever released to off-site, stormwater quality also attains significant improvement through various natural treatment processes - normal settling, dilution, natural degradation from exposure to atmosphere, and biological breakdown and uptake of pollutants in the pond environment. A baffle system is built in each of the two final outfall structures for final removal of oil and grease and other floating matters. After exiting the two outfalls, the stormwater released will attain still further land treatment effect, as it sheetflows across swaths of natural wooded preserve areas before finally reaching the final receiving waters at the SFWMD C-11 Canal East.

In addition, the facility has been implementing an operational practice of retaining all the stormwater on-site at the three ponds, at all times, and not have any off-site discharge, until it is necessary to prevent flooding damage at the property. To maintain that practice, the slide gates at the two water control structures that completely shut off flow to the outfall pipes, are all normally kept in a locked down position, and they can only be released by certain designated persons.

STORMWATER DISPOSAL:

Surface Water Discharge D-001:

South Site - The outfall D-001 is established at the water control structure located at the eastern end of the 1.9 MG stormwater retention pond on the east side. The structure is located approximately at latitude 26° 04' 11.10" N, and longitude 80° 12' 09.60" W. The discharge from this outfall structure sheetflows across an approximately 200-foot wide swath of natural preserve area, before it reaches the final receiving waters at the SFWMD C-11 Canal East, and continues on northerly to the South Fork New River Canal (Class III Fresh waters). The receiving water at the C-11 East Canal is classified as a Class III Fresh Waters, with a Water Body Identification Number (WBID#) of 3281.

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There is no flow limitation for stormwater discharge placed on the south outfall for the facility under the NPDES stormwater discharge permit. For reference purpose, the outfall discharge may reach an instantaneous peak rate of 41.1 cfs or 26.56 MGD equivalency during a 25-year/72-hour storm event.

North Site - The outfall D-002 is established at the water control structure, with twin 30-inch diameter culverts, located at the eastern end of the eastern unit of the two continuous retention basins with a total volume of 60 MG. The structure is located approximately at latitude 26° 04' 41.50" N, and longitude 80° 12' 04.47" W. The discharge from this outfall structure sheetflows across an approximately 1,000-foot wide swath of natural preserve area, before it reaches the final receiving waters also at the SFWMD C-11 Canal East. The C-11 Canal East continues on northerly to the South Fork New River (Class III Fresh waters). The receiving water at the C-11 East Canal is classified as a Class III Fresh Waters, with a WBID# of 3281. The point of entry to the C-11 Canal for the north outfall is approximately 3,000 feet north of the entry point for the south outfall.

There is no flow limitation for stormwater discharge placed on the north outfall for the facility under the NPDES stormwater discharge permit. For reference purpose, the outfall discharge may reach an instantaneous peak rate of 58.8 cfs or 38.00 MGD equivalency during a 25-year/72-hour storm event.

IN ACCORDANCE WITH: The limitations, monitoring requirements and other conditions set forth in this Cover Sheet and Part I through Part IX on pages 1 through 25 of this permit.

PERMITTEE: Wheelabrator South Broward, Inc.
 FACILITY: Wheelabrator South Broward Waste-To-Energy Facility, Stormwater Discharge Facility

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I. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

A. Surface Water Discharges

- During the period beginning on the issuance date and lasting through the expiration date of this permit, the permittee is authorized to discharge stormwater (stormwater discharges associated with industrial activity, or SWAWIA) from Outfall D-001, to an on-site natural preserve area that drains to the SFWMD C-11 Canal East. Such discharge shall be limited and monitored by the permittee as specified below and reported in accordance with Permit Condition I.E.3

			Effluent Limitations		Monitoring Requirements			
Parameter	Units	Max/Min	Limit	Statistical Basis	Frequency of Analysis	Sample Type	Monitoring Site Number	Notes
Flow	MGD	Max Max	Report Report	Daily Maximum Monthly Average	Daily, when discharging	Calculated/ Estimated	STM-01	See I.A.4 to 6
Oil and Grease	mg/L	Max	5.0	Daily Maximum	Monthly, when discharging	Grab	STM-01	See I.A.4 & 5
Solids, Total Suspended	mg/L	Max	60.0	Daily Maximum	Monthly, when discharging	Grab	STM-01	See I.A.4 & 5
pH	s.u.	Min Max	6.0 8.5	Daily Minimum Daily Maximum	Monthly, when discharging	Grab	STM-01	See I.A.4 & 5
Oxygen, Dissolved (DO)	mg/L	Min	5.0	Daily Minimum	Monthly, when discharging	Grab	STM-01	See I.A.4 & 5
Coliform, Fecal	#/100mL	Max	800	Daily Maximum	Monthly, when discharging	Grab	STM-01	See I.A.4 & 5
Coliform, Total	#/100mL	Max	2,400	Daily Maximum	Monthly, when discharging	Grab	STM-01	See I.A.4 & 5
Chemical Oxygen Demand (COD)	mg/L	Max	Report	Daily Maximum	Semiannually, when discharging	Grab	STM-01	See I.A.4 & 5
Carbon, Total Organic (TOC)	mg/L	Max	Report	Daily Maximum	Semiannually, when discharging	Grab	STM-01	See I.A.4 & 5
Nitrogen, Kjeldahl, Total (as N)	mg/L	Max	Report	Daily Maximum	Semiannually, when discharging	Grab	STM-01	See I.A.4 & 5
Arsenic, Total Recoverable	mg/L	Max	Report	Daily Maximum	Semiannually, when discharging	Grab	STM-01	See I.A.4 & 5
Lead, Total Recoverable	mg/L	Max	Report	Daily Maximum	Semiannually, when discharging	Grab	STM-01	See I.A.4 & 5

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I.A.1 (continued)

			Effluent Limitations		Monitoring Requirements			
Parameter	Units	Max/Min	Limit	Statistical Basis	Frequency of Analysis	Sample Type	Monitoring Site Number	Notes
Chromium, Total Recoverable	mg/L	Max	Report	Daily Maximum	Semiannually, when discharging	Grab	STM-01	See I.A.4 & 5
Magnesium, Total Recoverable	mg/L	Max	Report	Daily Maximum	Semiannually, when discharging	Grab	STM-01	See I.A.4 & 5
Magnesium, Dissolved	mg/L	Max	Report	Daily Maximum	Semiannually, when discharging	Grab	STM-01	See I.A.4 & 5
Barium, Total Recoverable	mg/L	Max	Report	Daily Maximum	Semiannually, when discharging	Grab	STM-01	See I.A.4 & 5
Cyanide, Total (as CN)	mg/L	Max	Report	Daily Maximum	Semiannually, when discharging	Grab	STM-01	See I.A.4 & 5
Mercury, Total Recoverable	mg/L	Max	Report	Daily Maximum	Semiannually, when discharging	Grab	STM-01	See I.A.4 & 5
Selenium, Total Recoverable	mg/L	Max	Report	Daily Maximum	Semiannually, when discharging	Grab	STM-01	See I.A.4 & 5
Silver, Total Recoverable	mg/L	Max	Report	Daily Maximum	Semiannually, when discharging	Grab	STM-01	See I.A.4 & 5
Cadmium, Total Recoverable	mg/L	Max	Report	Daily Maximum	Semiannually, when discharging	Grab	STM-01	See I.A.4 & 5
Hardness, Total (as CaCO ₃)	mg/L	Max	Report	Daily Maximum	Semiannually, when discharging	Grab	STM-01	See I.A.4 & 5
Solids, Total Dissolved (TDS)	mg/L	Max	Report	Daily Maximum	Semiannually, when discharging	Grab	STM-01	See I.A.4 & 5
Acute Whole Effluent Toxicity, 96 Hour LC50 (Ceriodaphnia dubia)	percent	Min	100	Single Sample	Semiannually, when discharging	Grab	STM-01	See I.A.4 & 5; I.A.13
Acute Whole Effluent Toxicity, 96 Hour LC50 (Cyprinella leedsii)	percent	Min	100	Single Sample	Semiannually, when discharging	Grab	STM-01	See I.A.4 & 5; I.A.13

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PERMIT NUMBER:

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FACILITY: Wheelabrator South Broward Waste-To-Energy Facility, Stormwater Discharge Facility

2. During the period beginning on the issuance date and lasting through the expiration date of this permit, the permittee is authorized to discharge stormwater (stormwater discharges associated with industrial activity, or SWAWIA) from Outfall D-002, to an on-site natural preserve area that drains to the SFWMD C-11 Canal East. Such discharge shall be limited and monitored by the permittee as specified below and reported in accordance with Permit Condition I.E.3

			Effluent Limitations		Monitoring Requirements			
Parameter	Units	Max/Min	Limit	Statistical Basis	Frequency of Analysis	Sample Type	Monitoring Site Number	Notes
Flow	MGD	Max Max	Report Report	Daily Maximum Monthly Average	Daily, when discharging	Calculated/ Estimated	STM-02	See I.A.4 to 6
Oil and Grease	mg/L	Max	5.0	Daily Maximum	Monthly, when discharging	Grab	STM-02	See I.A.4 & 5
Solids, Total Suspended	mg/L	Max	60.0	Daily Maximum	Monthly, when discharging	Grab	STM-02	See I.A.4 & 5
pH	s.u.	Min Max	6.0 8.5	Daily Minimum Daily Maximum	Monthly, when discharging	Grab	STM-02	See I.A.4 & 5
Oxygen, Dissolved (DO)	mg/L	Min	5.0	Daily Minimum	Monthly, when discharging	Grab	STM-02	See I.A.4 & 5
Coliform, Fecal	#/100mL	Max	800	Daily Maximum	Monthly, when discharging	Grab	STM-02	See I.A.4 & 5
Coliform, Total	#/100mL	Max	2,400	Daily Maximum	Monthly, when discharging	Grab	STM-02	See I.A.4 & 5
Chemical Oxygen Demand (COD)	mg/L	Max	Report	Daily Maximum	Semiannually, when discharging	Grab	STM-02	See I.A.4 & 5
Carbon, Total Organic (TOC)	mg/L	Max	Report	Daily Maximum	Semiannually, when discharging	Grab	STM-02	See I.A.4 & 5
Nitrogen, Kjeldahl, Total (as N)	mg/L	Max	Report	Daily Maximum	Semiannually, when discharging	Grab	STM-02	See I.A.4 & 5
Arsenic, Total Recoverable	mg/L	Max	Report	Daily Maximum	Semiannually, when discharging	Grab	STM-02	See I.A.4 & 5
Lead, Total Recoverable	mg/L	Max	Report	Daily Maximum	Semiannually, when discharging	Grab	STM-02	See I.A.4 & 5

PERMITTEE: Wheelabrator South Broward, Inc.
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I.A.2 (continued)

			Effluent Limitations		Monitoring Requirements			
Parameter	Units	Max/Min	Limit	Statistical Basis	Frequency of Analysis	Sample Type	Monitoring Site Number	Notes
Chromium, Total Recoverable	mg/L	Max	Report	Daily Maximum	Semiannually, when discharging	Grab	STM-02	See I.A.4 & 5
Magnesium, Total Recoverable	mg/L	Max	Report	Daily Maximum	Semiannually, when discharging	Grab	STM-02	See I.A.4 & 5
Magnesium, Dissolved	mg/L	Max	Report	Daily Maximum	Semiannually, when discharging	Grab	STM-02	See I.A.4 & 5
Barium, Total Recoverable	mg/L	Max	Report	Daily Maximum	Semiannually, when discharging	Grab	STM-02	See I.A.4 & 5
Cyanide, Total (as CN)	mg/L	Max	Report	Daily Maximum	Semiannually, when discharging	Grab	STM-02	See I.A.4 & 5
Mercury, Total Recoverable	mg/L	Max	Report	Daily Maximum	Semiannually, when discharging	Grab	STM-02	See I.A.4 & 5
Selenium, Total Recoverable	mg/L	Max	Report	Daily Maximum	Semiannually, when discharging	Grab	STM-02	See I.A.4 & 5
Silver, Total Recoverable	mg/L	Max	Report	Daily Maximum	Semiannually, when discharging	Grab	STM-02	See I.A.4 & 5
Cadmium, Total Recoverable	mg/L	Max	Report	Daily Maximum	Semiannually, when discharging	Grab	STM-02	See I.A.4 & 5
Hardness, Total (as CaCO ₃)	mg/L	Max	Report	Daily Maximum	Semiannually, when discharging	Grab	STM-02	See I.A.4 & 5
Solids, Total Dissolved (TDS)	mg/L	Max	Report	Daily Maximum	Semiannually, when discharging	Grab	STM-02	See I.A.4 & 5
Acute Whole Effluent Toxicity, 96 Hour LC50 (Ceriodaphnia dubia)	percent	Min	100	Single Sample	Semiannually, when discharging	Grab	STM-02	See I.A.4 & 5; I.A.13
Acute Whole Effluent Toxicity, 96 Hour LC50 (Cyprinella leedsii)	percent	Min	100	Single Sample	Semiannually, when discharging	Grab	STM-02	See I.A.4 & 5; I.A.13

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3. Effluent samples shall be taken at the monitoring site locations listed in Permit Conditions I.A.1 and I.A.2 and as described below:

Monitoring Site Number	Description of Monitoring Sites
STM-01 (South retention pond)	Stormwater sample is taken at the water control structure for Outfall D-001 at the south retention pond. Sample can also be taken from the retention pond in the vicinity of the water control structure, if off-site discharge has already ceased before sampling is initiated.
STM-02 (North retention pond)	Stormwater sample is taken at the water control structure for Outfall D-002 at the north retention pond. Sample can also be taken from the retention pond in the vicinity of the water control structure, if off-site discharge has already ceased before sampling is initiated.

4. Stormwater sampling in this section for the respective outfall - analytical sampling under Permit Conditions I.A.1 (outfall D-001) and I.A.2 (outfall D-002), and toxicity testing under Permit Condition I.A.13 (for both outfalls), are required only if there is an actual discharge to off-site in the period, by a controlled release of stormwater through either outfalls - Outfall D-001 or Outfall D-002. During or after the off-site discharge, a single grab sample shall be taken at the outfall (water control structure) and analyzed one time for all the parameters listed. The grab sample shall be collected within 48 hours after commencement of discharge, even if the discharge from outfall may have already ceased in the interim.
5. If an off-site discharge occurs during any part of the two semi-annual periods in the year: January to June, and July to December, and regardless of its duration, all the daily, monthly and semi-annually analytical sampling requirements in that period, for the respective outfall, are triggered. They must then be performed as follows: Daily parameter (flow) - monitored once each day of discharge; monthly parameters - sampled one (1) time in each and every month when discharge occurs; semi-annually parameters - sampled one (1) time only in the entire six-month period even if there are multiple discharge events in the same 6-month period.
6. During discharge, the permittee must provide daily a visual or calculated estimate of the stormwater volume discharged at the outfall. Flow measurement using a flowmeter is also acceptable. The monthly average daily flow shall be calculated based on the number of discharging days noted in the month. The permittee must include a description on the DMR the method used to determine or estimate the discharge flow volume. In addition, the permittee must collect and record rainfall data for the storm event that precedes the off-site discharge event, and submit the rainfall data along with the DMR's.
7. All the Discharge Monitoring Reports (DMR's) required in this permit shall be submitted pursuant to the provisions in Permit Condition I.E.3. If there is no discharge in the period, the permittee shall check off the "NO DISCHARGE FROM SITE" box on the first page of the monthly, semi-annually, and toxicity test sections of the DMRs, sign the reports and mail them to the address indicated.

The DMR submission protocols are also explained below:

- The two first pages (Page 1 and Page 5) of DMR that covers the parameters to be sampled daily and monthly, when discharging, shall be submitted monthly.
- The two sets of second and third pages (Page 2 to 3; Pages 6 to 7) of DMR that cover the parameters to be sampled semi-annually, when discharging, shall be submitted semi-annually.
- The two fourth pages (Page 4 and Page 8) of DMR that cover the routine and additional follow-up toxicity tests to be performed semi-annually, when discharging, shall be submitted semi-annually.

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8. The discharge shall not contain components that settle to form putrescent deposits or float as debris, scum, oil, or other matter. [62-302.500(1)(a)]
9. The permit does not authorize the discharge from the outfall of any process wastewater, cooling tower blowdown, heavily contaminated stormwater, landfill leachate and runoffs, and sanitary waste.
10. The permittee shall inspect the outfall structure periodically to ensure there is no unintentional release of stormwater or malfunctioning of the outfall. The slide gate at the outfall structure shall remain locked down in a shut-off position, until when discharge is determined necessary by the authorized person.
11. Process wastewater, leachate and stormwater runoffs from the adjacent Central Sanitary Landfill, shall be prevented from entering the ground surfaces at the plant, and other tributaries to the stormwater detention pond. The confined conveyance of leachate and other wastewater for process reuse is not subject to this restriction.
12. Operation of the electric power generating unit at the project shall also conform with the terms and conditions, provided in the Power Plant Conditions of Certification document (Case No. PA 86-22) issued in 1987, and all the subsequent Orders that modify the Certification. In the event there is a conflict between any language in this Permit and the Certification, the document that may impose a higher standard shall generally take precedence.
13. **Routine Toxicity Testing** - The permittee shall comply with the following requirements to evaluate acute whole effluent toxicity of the discharge from both outfalls - Outfall D-001 and Outfall D-002.
 - a. Effluent Limitation
 - (1) In any routine or additional follow-up test for acute whole effluent toxicity, the 96-hour LC50 shall not be less than 100% effluent. [Rules 62-302.200(1), 62-302.500(1)(a)4., 62-4.244(3)(a), and 62-4.241, F.A.C.]
 - b. Monitoring Frequency
 - (1) Routine toxicity tests shall be conducted semi-annually or once every six months, and only if an off-site discharge event occurs during any part of the six-month period. The toxicity test performance shall start immediately beginning in the next discharge event, and lasting for the duration of this permit.
 - c. Sampling Requirements

All tests shall be conducted on a **single grab sample** of final effluent.
 - d. Test Requirements
 - (1) Routine Tests: All routine tests shall be conducted using a control (0% effluent) and a minimum of five dilutions: **100%, 75%, 50%, 25%, and 12.5%** effluent.
 - (2) The permittee shall conduct 96-hour acute static renewal multi-concentration toxicity tests using the daphnid, **Ceriodaphnia dubia**, and the bannerfin shiner, **Cyprinella leedsii**, concurrently.
 - (3) All test species, procedures and quality assurance criteria used shall be in accordance with **Methods for Measuring Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms**, 5th Edition, EPA-821-R-02-012. Any deviation of the bioassay procedures outlined herein shall be submitted in writing to the Department for review and approval prior to use. In the event the above method is revised, the permittee shall conduct acute toxicity testing in accordance with the revised method.
 - (4) The control water and dilution water shall be moderately hard water as described in EPA-821-R-02-012, Table 7.

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e. Quality Assurance Requirements

- (1) A standard reference toxicant (SRT) quality assurance (QA) acute toxicity test shall be conducted with each species used in the required toxicity tests either concurrently or initiated no more than 30 days before the date of each routine or additional follow-up test conducted. Additionally, the SRT test must be conducted concurrently if the test organisms are obtained from outside the test laboratory unless the test organism supplier provides control chart data from at least the last five monthly acute toxicity tests using the same reference toxicant and test conditions. If the organism supplier provides the required SRT data, the organism supplier's SRT data and the test laboratory's monthly SRT-QA data shall be included in the reports for each companion routine or additional follow-up test required.
- (2) If the mortality in the control (0% effluent) exceeds 10% for either species in any test, the test for that species (including the control) shall be invalidated and the test repeated. The repeat test shall begin within 14 days after the last day of the invalid test.
- (3) If 100% mortality occurs in all effluent concentrations for either species prior to the end of any test and the control mortality is less than 10% at that time, the test (including the control) for that species shall be terminated with the conclusion that the test fails and constitutes non-compliance.
- (4) Routine and additional follow-up tests shall be evaluated for acceptability based on the concentration-response relationship, as required by EPA-821-R-02-012, Section 12.2.6.2., and included with the bioassay laboratory reports.

f. Reporting Requirements

- (1) Results from all required tests shall be reported on the Discharge Monitoring Report (DMR) as follows:
 - (a) Routine Test Results: If an LC50 > 100% effluent occurs in the test for the test species, ">100%" shall be entered on the DMR for that test species. If an LC50 < 100% effluent occurs, the calculated LC50 effluent concentration shall be entered on the DMR for that test species.
 - (b) Additional Follow-up Test Results: For each additional test required, the calculated LC50 value shall be entered on the DMR for that test species.
 - (c) The Discharge Monitoring Report (DMR) for reporting all toxicity results shall be submitted semi-annually and pursuant to the provisions in Permit Condition I.E.3.
- (2) A bioassay laboratory report for the routine test shall be prepared according to EPA-821-R-02-012, Section 12, Report Preparation and Test Review, and mailed to the Department at the address below **within 30 days after the last day of the test**.
- (3) For additional follow-up tests, a single bioassay laboratory report shall be prepared according to EPA-821-R-02-012, Section 12, and mailed **within 30 days after the last day of the second valid additional follow-up test**.
- (4) Data for invalid tests shall be included in the bioassay laboratory report for the repeat test.
- (5) The same bioassay data shall not be reported as the results of more than one test.
- (6) All bioassay laboratory reports shall be sent to:

Florida Department of Environmental Protection
Southeast District Office
Compliance/Enforcement Program (Industrial Wastewater Section)
400 N. Congress Ave, Suite 200
West Palm Beach, Florida 33401

g. Test Failures

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- (1) A test fails when the test results do not meet the limits in 13.a.(1).
- (2) Additional Follow-up Tests:
 - (a) If a routine test does not meet the acute toxicity limitation in 13.a.(1) above, the permittee shall notify the Department at the address above within 21 days after the last day of the failed routine test and conduct two additional follow-up tests on each species that failed the test in accordance with 13.d.
 - (b) The first test shall be initiated within 28 days after the last day of the failed routine test. The remaining additional follow-up tests shall be conducted weekly thereafter until a total of two valid additional follow-up tests are completed.
 - (c) The first additional follow-up test shall be conducted using a control (0% effluent) and a minimum of five dilutions: 100%, 75%, 50%, 25%, and 12.5% effluent. The permittee may modify the dilution series in the second additional follow-up test to more accurately bracket the toxicity such that at least two dilutions above and two dilutions below the target concentration and a control (0% effluent) are run. All test results shall be statistically analyzed according to the procedures in EPA-821-R-02-012.
- (3) In the event of three valid test failures (whether routine or additional follow-up tests) within a 12-month period, the permittee shall notify the Department within 21 days after the last day of the third test failure.
 - (a) The permittee shall submit a plan for correction of the effluent toxicity within 60 days after the last day of the third test failure.
 - (b) The Department shall review and approve the plan before initiation.
 - (c) The plan shall be initiated within 30 days following the Department's written approval of the plan.
 - (d) Progress reports shall be submitted quarterly to the Department at the address above.
 - (e) During the implementation of the plan, the permittee shall conduct quarterly routine whole effluent toxicity tests in accordance with 13.d. Additional follow-up tests are not required while the plan is in progress. Following completion or termination of the plan, the frequency of monitoring for routine and additional follow-up tests shall return to the schedule established in 13.b.(1). If a routine test is invalid according to the acceptance criteria in EPA-821-R-02-012, a repeat test shall be initiated within 14 days after the last day of the invalid routine test.
 - (f) Upon completion of four consecutive quarterly valid routine tests that demonstrate compliance with the effluent limitation in 13.a.(1) above, the permittee may submit a written request to the Department to terminate the plan. The plan shall be terminated upon written verification by the Department that the facility has passed at least four consecutive quarterly valid routine whole effluent toxicity tests. If a test within the sequence of the four is deemed invalid, but is replaced by a repeat valid test initiated within 14 days after the last day of the invalid test, the invalid test will not be counted against the requirement for four consecutive quarterly valid routine tests for the purpose of terminating the plan.
- (4) The additional follow-up testing and the plan do not preclude the Department taking enforcement action for whole effluent toxicity failures.

[62-4.241, 62-620.620(3)]

B. Underground Injection Control Systems

1. This section is not applicable to this facility.

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C. Land Application Systems

1. This section is not applicable to this facility.

D. Other Methods of Disposal or Recycling

1. There shall be no discharge of industrial wastewater from this facility to ground or surface waters, except as authorized by this permit.

E. Other Limitations and Monitoring and Reporting Requirements

1. The sample collection, analytical test methods, and method detection limits (MDLs) applicable to this permit shall be conducted using a sufficiently sensitive method to ensure compliance with applicable water quality standards and effluent limitations and shall be in accordance with Rule 62-4.246, Chapters 62-160 and 62-601, F.A.C., and 40 CFR 136, as appropriate. The list of Department established analytical methods, and corresponding MDLs (method detection limits) and PQLs (practical quantitation limits), which is titled "FAC 62-4 MDL/PQL Table (April 26, 2006)" is available at <http://www.dep.state.fl.us/labs/library/index.htm>. The MDLs and PQLs as described in this list shall constitute the minimum acceptable MDL/PQL values and the Department shall not accept results for which the laboratory's MDLs or PQLs are greater than those described above unless alternate MDLs and/or PQLs have been specifically approved by the Department for this permit. Any method included in the list may be used for reporting as long as it meets the following requirements:
 - a. The laboratory's reported MDL and PQL values for the particular method must be equal or less than the corresponding method values specified in the Department's approved MDL and PQL list;
 - b. The laboratory reported MDL for the specific parameter is less than or equal to the permit limit or the applicable water quality criteria, if any, stated in Chapter 62-302, F.A.C. Parameters that are listed as "report only" in the permit shall use methods that provide an MDL, which is equal to or less than the applicable water quality criteria stated in 62-302, F.A.C.; and
 - c. If the MDLs for all methods available in the approved list are above the stated permit limit or applicable water quality criteria for that parameter, then the method with the lowest stated MDL shall be used.

When the analytical results are below method detection or practical quantitation limits, the permittee shall report the actual laboratory MDL and/or PQL values for the analyses that were performed following the instructions on the applicable discharge monitoring report.

Where necessary, the permittee may request approval of alternate methods or for alternative MDLs or PQLs for any approved analytical method. Approval of alternate laboratory MDLs or PQLs are not necessary if the laboratory reported MDLs and PQLs are less than or equal to the permit limit or the applicable water quality criteria, if any, stated in Chapter 62-302, F.A.C. Approval of an analytical method not included in the above-referenced list is not necessary if the analytical method is approved in accordance with 40 CFR 136 or deemed acceptable by the Department. [62-4.246, 62-160]

2. The permittee shall provide safe access points for obtaining representative influent and effluent samples which are required by this permit. [62-620.320(6)]
3. Monitoring requirements under this permit are effective on the first day of the second month following permit issuance. Until such time, the permittee shall continue to monitor and report in accordance with previously effective permit requirements, if any. During the period of operation authorized by this permit, the permittee shall complete and submit to the Department Discharge Monitoring Reports (DMRs) in accordance with the frequencies specified by the REPORT type (i.e. monthly, toxicity, quarterly, semiannual, annual, etc.) indicated on the DMR forms attached to this permit.

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REPORT Type on DMR	Monitoring Period	Due Date
Monthly	first day of month - last day of month	28 th day of following month
Quarterly	January 1 - March 31 April 1 - June 30 July 1 - September 30 October 1 - December 31	April 28 July 28 October 28 January 28
Semiannual	January 1 - June 30 July 1 - December 30	July 28 January 28
Annual	January 1 - December 31	January 28
Toxicity (semiannual routine & follow-up tests)	January 1 - June 30 July 1 - December 30	July 28 January 28

The permittee may submit either paper or electronic DMR forms. If submitting paper DMR forms, the permittee shall make copies of the attached DMR forms, without altering the original format or content unless approved by the Department, and shall submit the completed DMR forms to the Department's Division office in Tallahassee by the twenty-eighth (28th) of the month following the month of operation at the address specified below:

Florida Department of Environmental Protection
Wastewater Compliance Evaluation Section, Mail Station 3551
Bob Martinez Center
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

If submitting electronic DMR forms, the permittee shall use the electronic DMR system(s) approved in writing by the Department and shall electronically submit the completed DMR forms to the Department by the twenty-eighth (28th) of the month following the month of operation. Data submitted in electronic format is equivalent to data submitted on signed and certified paper DMR forms.

[62-620.610(18)]

4. Unless specified otherwise in this permit, all reports and other information required by this permit, including 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
Compliance/Enforcement Program (Industrial Wastewater Section)
400 N. Congress Ave, Suite 200
West Palm Beach, Florida 33401
Phone Number - (561) 681-6600
FAX Number - (561) 681-6760 (All FAX copies shall be followed by original copies.)

[62-620.305]

5. All reports and other information shall be signed in accordance with the requirements of Rule 62-620.305, F.A.C. [62-620.305]
6. If there is no discharge from the facility on a day when the facility would normally sample, the sample shall be collected on the day of the next discharge. [62-620.320(6)]

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II. SLUDGE MANAGEMENT REQUIREMENTS

1. Part II is not applicable to this facility.

III. GROUND WATER REQUIREMENTS

1. Part III is not applicable to this facility.

IV. ADDITIONAL LAND APPLICATION REQUIREMENTS

1. Part IV is not applicable to this facility.

V. OPERATION AND MAINTENANCE REQUIREMENTS

1. During the period of operation authorized by this permit, the wastewater facilities shall be operated under the supervision of a person who is qualified by formal training and/or practical experience in the field of water pollution control. [62-620.320(6)]
2. The permittee shall maintain the following records and make them available for inspection on the site of the permitted facility.
 - a. Records of all compliance monitoring information, including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation, including, if applicable, a copy of the laboratory certification showing the certification number of the laboratory, for at least three years from the date the sample or measurement was taken;
 - b. Copies of all reports required by the permit for at least three years from the date the report was prepared;
 - c. Records of all data, including reports and documents, used to complete the application for the permit for at least three years from the date the application was filed;
 - d. A copy of the current permit;
 - e. A copy of any required record drawings; and
 - f. Copies of the logs and schedules showing plant operations and equipment maintenance for three years from the date of the logs or schedules.

[62-620.350]

VI. SCHEDULES

1. The following improvement actions shall be completed according to the following schedule. The Stormwater Pollution Prevention (SWPP) Plan shall be prepared and implemented in accordance with Part VII of this permit.

Improvement Action	Completion Date
1. Continue implementing the existing SWPP Plan	Issuance date of permit

[62-620.320(6)]

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2. 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 no later than one-hundred and eighty days (180) prior to the expiration date of this permit. Application shall be made using the appropriate forms listed in Rule 62-620.910, F.A.C., including submittal of the appropriate processing fee set forth in Rule 62-4.050, F.A.C. [62-620.335(1) and (2)]
3. The permittee is not authorized to discharge to waters of the state after the expiration date of this permit, unless:
 - a. The permittee has applied for renewal of this permit at least 180 days before the expiration date of this permit using the appropriate forms listed in Rule 62-620.910, F.A.C., and in the manner established in the Department of Environmental Protection Guide to Permitting Wastewater Facilities or Activities Under Chapter 62-620, F.A.C., including submittal of the appropriate processing fee set forth in Rule 62-4.050, F.A.C.; or
 - b. The permittee has made complete the application for renewal of this permit before the permit expiration date.

[62-620.335(1)-(4)]

4. The permittee shall achieve compliance with the other conditions of this permit as follows:

Operational level attained

Issuance Date of permit

VII. BEST MANAGEMENT PRACTICES/STORMWATER POLLUTION PREVENTION PLANS

1. In accordance with Section 304(e) and 402(a)(2) of the Clean Water Act (CWA) as amended, 33 U.S.C. §§ 1251 et seq., and the Pollution Prevention Act of 1990, 42 U.S.C. §§ 13101-13109, the permittee must develop and implement a Stormwater Pollution Prevention (SWPP) Plan for the facility covered by this permit. The SWPP Plan shall be prepared in accordance with good engineering practices and in accordance with the factors outlined in 40 CFR §125.3(d)(2) or (3) as appropriate. The plan shall identify potential sources of pollution that may reasonably be expected to affect the quality of stormwater discharges associated with industrial activity from the facility. In addition, the plan shall describe and ensure the implementation of practices which are to be used to reduce the pollutants in stormwater discharges associated with industrial activity at the facility and to assure compliance with the terms and conditions of this permit. Facilities must implement the provisions of the SWPP Plan required under this part as a condition of this permit. The plan shall include, at a minimum, the following items:
 - a. Specific individual(s) within the facility organization as members of a SWPP Team that are responsible for developing the SWPP Plan and assisting the facility or operations manager in its implementation, maintenance, and revision. The plan shall clearly identify the responsibilities of each team member. The activities and responsibilities of the team shall address all aspects of the facility's SWPP Plan.
 - b. A description of potential sources which may reasonably be expected to add significant amounts of pollutants to stormwater discharges or which may result in the discharge of pollutants during dry weather from separate storm sewers draining the facility. The plan shall identify all activities and significant materials that may potentially be significant pollutant sources. The plan shall include, at a minimum:
 - (1) Drainage
 - (a) A site map indicating an outline of the portions of the drainage area of each stormwater outfall that are within the facility boundaries, each existing structural control measure to

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reduce pollutants in stormwater runoff, surface water bodies, locations where significant materials are exposed to precipitation, locations where major spills or leaks identified under Item (2)(c) (spills and leaks) have occurred, and the locations of the following activities where such activities are exposed to precipitation: fueling stations; vehicle and equipment maintenance and/or cleaning areas; loading/unloading areas; locations used for the treatment, storage or disposal of wastes; liquid storage tanks; processing areas; and storage areas.

- (b) For each area of the facility that generates stormwater discharges associated with industrial activity with a reasonable potential for containing significant amounts of pollutants, a prediction of the direction of flow, and an identification of the types of pollutants which are likely to be present in stormwater discharges associated with industrial activity. Factors to consider include the toxicity of chemical; quantity of chemicals used, produced or discharged; the likelihood of contact with stormwater; and history of significant leaks or spills of toxic or hazardous pollutants. Flows with a significant potential for causing erosion shall be identified.
 - (2) An inventory of the types of materials handled at the site that potentially may be exposed to precipitation. Such inventory shall include a narrative description of significant materials that have been handled, treated, stored or disposed in a manner to allow exposure to stormwater between the time of three years prior to the date of the issuance of this permit and the present; method and location of on-site storage or disposal; materials management practices employed to minimize contact of materials with stormwater runoff between the time of three years prior to the date of the issuance of this permit and the present; the location and a description of existing structural and non-structural control measures to reduce pollutants in stormwater runoff; and a description of any treatment the stormwater receives.
 - (3) A list of significant spills and significant leaks of toxic or hazardous pollutants that occurred at areas that are exposed to precipitation or that otherwise drain to a stormwater conveyance at the facility after the date of three years prior to the effective date of this permit. Such list shall be updated as appropriate during the term of the permit.
 - (4) A summary of existing discharge sampling data describing pollutants in stormwater discharges from the facility, including a summary of sampling data collected during the term of this permit.
 - (5) A narrative description of the potential pollutant sources from the following activities if applicable: loading and unloading operations; outdoor storage activities; outdoor manufacturing or processing activities; significant dust or particulate generating processes; loading/unloading areas; and on-site waste disposal practices. The description shall specifically list any significant potential source of pollutants at the site and for each potential source, any pollutant or pollutant parameter (e.g. biochemical oxygen demand, etc.) of concern shall be identified.
- c. A description of stormwater management controls appropriate for the facility and implement such controls. The appropriateness and priorities of controls in a plan shall reflect identified potential sources of pollutants at the facility. The description of stormwater management controls shall address the following minimum components, including a schedule for implementing such controls:
- (1) Good housekeeping requires the maintenance of areas that may contribute pollutants to stormwater discharges in a clean, orderly manner.
 - (2) A preventive maintenance program shall involve timely inspection and maintenance of stormwater management devices (e.g. cleaning oil/water separators, catch basins) as well as inspecting and testing facility equipment and systems to uncover conditions that could cause breakdowns or failures resulting in discharges of pollutants to surface waters, and ensuring appropriate maintenance of such equipment and systems.

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- (3) Areas where potential spills that can contribute pollutants to stormwater discharges can occur and their accompanying drainage points shall be identified clearly in the SWPP Plan. Where appropriate, specifying material handling procedures, storage requirements, and use of equipment such as diversion valves in the plan should be considered. Procedures for cleaning up spills shall be identified in the plan and made available to the appropriate personnel. The necessary equipment to implement a clean up should be available to personnel.
- (4) In addition to or as part of the comprehensive site evaluation required under paragraph (4) of this section, qualified facility personnel shall be identified to inspect designated equipment and areas of the facility at appropriate intervals specified in the plan. A set of tracking or follow-up procedures shall be used to ensure that appropriate actions are taken in response to the inspections. Records of inspections shall be maintained.
- (5) Employee training programs shall inform personnel responsible for implementing activities identified in the SWPP Plan or otherwise responsible for stormwater management at all levels of responsibility of the components and goals of the SWPP Plan. Training should address topics such as spill response, good housekeeping and material management practices. A pollution prevention plan shall identify periodic dates for such training.
- (6) A description of incidents (such as spills, or other discharges), along with other information describing the quality and quantity of stormwater discharges shall be included in the plan required under this part. Inspections and maintenance activities shall be documented and records of such activities shall be incorporated into the plan.
- (7) Non-Stormwater Discharges
 - (a) The plan shall include a certification that each "stormwater-only" discharge authorized under this permit has been tested or evaluated for the presence of non-stormwater discharges. (This section is not applicable to those discharges authorized under this permit that have been identified in the application as having non-stormwater components.) The certification shall include the identification of potential significant sources of non-stormwater at the site, a description of the results of any test and/or evaluation for the presence of non-stormwater discharges, the evaluation criteria or testing method used, the date of any testing and/or evaluation, and the on-site drainage points that were directly observed during the test. Certifications shall be signed in accordance with paragraph (6) of this section. Such certification may not be feasible if the facility operating the stormwater discharge associated with industrial activity does not have access to an outfall, manhole, or other point of access to the ultimate conduit that receives the discharge. In such cases, the source identification section of the stormwater pollution plan shall indicate why the certification required by this part was not feasible, along with the identification of potential significant sources of non-stormwater at the site. A discharger that is unable to provide the certification required by this paragraph must notify the Department in accordance with paragraph (iii) below.
 - (b) Except for flows from fire fighting activities, sources of authorized non-stormwater discharges that are combined with stormwater discharges associated with industrial activity must be identified in the plan. The plan shall identify and ensure the implementation of appropriate pollution prevention measures for the non-stormwater component(s) of the discharge.
 - (c) Failure to Certify. Any facility that is unable to provide the certification required (testing for non-stormwater discharges), must notify the Department. If the failure to certify is caused by the inability to perform adequate tests or evaluations, such notification shall describe: the procedure of any test conducted for the presence of non-stormwater discharges; the results of such test or other relevant observations; potential sources of non-stormwater discharges to the storm sewer; and why adequate tests for such storm sewers were not feasible. Non-stormwater discharges to surface waters of

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the State of Florida which are not authorized by an NPDES permit are unlawful, and must be terminated or dischargers must submit appropriate NPDES permit application forms.

- (8) The plan shall identify areas which, due to topography, activities, or other factors, have a high potential for significant soil erosion, and identify structural, vegetative, and/or stabilization measures to be used to limit erosion.
 - (9) The plan shall contain a narrative consideration of the appropriateness of traditional stormwater management practices (practices other than those which control the generation or source(s) of pollutants) used to divert, infiltrate, reuse, or otherwise manage stormwater runoff in a manner that reduces pollutants in stormwater discharges from the site. The plan shall provide that those measures that the permittee determines to be reasonable and appropriate shall be implemented and maintained. The potential of various sources at the facility to contribute pollutants to stormwater discharges associated with industrial activity shall be considered when determining reasonable and appropriate measures. Appropriate measures may include: vegetative swales and practices; reuse of collected stormwater (such as for a process or as an irrigation source); inlet controls (such as oil/water separators); infiltration devices; and, detention or retention devices.
- d. A Comprehensive Site Compliance Evaluation. Qualified personnel shall conduct site compliance evaluations at appropriate intervals specified in the plan, but, except as provided in paragraph (4)(d) of this section, in no case less than once a year. Such evaluations shall provide:
1. Areas contributing to a stormwater discharge associated with industrial activity shall be visually inspected for evidence of, or the potential for, pollutants entering the drainage system. Measures to reduce pollutant loadings shall be evaluated to determine whether they are adequate and properly implemented in accordance with the terms of the permit or whether additional control measures are needed. Structural stormwater management measures, sediment and erosion control measures, and other structural pollution prevention measures identified in the plan shall be observed to ensure that they are operating correctly. A visual inspection of equipment needed to implement the plan, such as spill response equipment, shall be made.
 2. Based on the results of the inspection, the description of potential pollutant sources identified in the plan in accordance with paragraph (2) of this section (description of potential pollutant sources) and pollution prevention measures and controls identified in the plan in accordance with paragraph (3) of this section (measures and controls) shall be revised as appropriate within two weeks of such inspection and shall provide for implementation of any changes to the plan in a timely manner, but in no case more than twelve weeks after the inspection.
 3. A report summarizing the scope of the inspection, personnel making the inspection, the date(s) of the inspection, major observations relating to the implementation of the SWPP Plan, and actions taken in accordance with paragraph (4)(b) of this section shall be made and retained as part of the SWPP Plan for at least one year after coverage under this permit terminates. The report shall identify any incidents of non-compliance. Where a report does not identify any incidents of non-compliance, the report shall contain a certification that the facility is in compliance with the SWPP Plan and this permit. The report shall be signed in accordance with paragraph (6) (signatory requirements) of this section.
- e. Consistency with other plans. SWPP Plans may reference the existence of other plans for Spill Prevention Control and Countermeasure (SPCC), plans developed for the facility under section 311 of the CWA or Best Management Practices (BMP) Programs otherwise required by an NPDES permit for the facility as long as such requirement is incorporated into the SWPP Plan.
- f. Signatory Authority and Management Responsibilities. The SWPP Plan shall be signed in accordance with Rule 62-620.305, Florida Administrative Code, and shall be reviewed by the facility engineer and facility manager. A copy of the plan shall be retained at the facility and shall

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PERMIT NUMBER: FLS267562-003 (Minor)

be made available to the Department upon request, or in the case of a stormwater discharge associated with industrial activity that discharges through a municipal separate storm sewer system, to the operator of the municipal system.

- g. Plan Review. The Department may notify the permittee at any time that the plan does not meet one or more of the minimum requirements of this Part. Such notification shall identify those provisions of the permit which are not being met by the plan, and identify which provisions of the plan requires modifications in order to meet the minimum requirements of this Part. Within 30 days of such notification from the Department, the permittee shall make the required changes to the plan and shall submit to the Department a written certification that the requested changes have been made.
- h. Keeping Plans Current. The permittee shall amend the plan whenever there is a change in design, construction, operation, or maintenance of the facility which has a significant effect on the potential for the discharge of pollutants to surface waters of the State of Florida; if the SWPP Plan proves to be ineffective in eliminating or significantly minimizing pollutants from sources identified under paragraph (2) (description of potential pollutant sources) of this section; or, in otherwise achieving the general objectives of controlling pollutants in stormwater discharges associated with industrial activity. Amendments to the plan may be reviewed by the Department in the same manner as described in paragraphs (6) and (7) of this section.

[62-620.100(3)(m)]

VIII. OTHER SPECIFIC CONDITIONS

- 1. Where required by Chapter 471 or Chapter 492, F.S., applicable portions of reports that must be submitted under this permit shall be signed and sealed by a professional engineer or a professional geologist, as appropriate. [62-620.310(4)]
- 2. The permittee shall provide verbal notice to the Department's Southeast District Office as soon as practical after discovery of a sinkhole or other karst feature within an area for the management or application of wastewater, or wastewater sludges. The Permittee shall immediately implement measures appropriate to control the entry of contaminants, and shall detail these measures to the Department's Southeast District in a written report within 7 days of the sinkhole discovery. [62-620.320(6)]
- 3. Existing manufacturing, commercial, mining, and silvicultural wastewater facilities or activities that discharge into surface waters shall notify the Department as soon as they know or have 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 pollutant which is not limited in the permit, if that discharge will exceed the highest of the following levels;
 - (1) One hundred micrograms per liter,
 - (2) Two hundred micrograms per liter for acrolein and acrylonitrile; five hundred micrograms per liter for 2, 4-dinitrophenol and for 2-methyl-4, 6-dinitrophenol; and one milligram per liter for antimony, or
 - (3) Five times the maximum concentration value reported for that pollutant in the permit application; or
 - 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 which is not limited in the permit, if that discharge will exceed the highest of the following levels;
 - (1) Five hundred micrograms per liter,
 - (2) One milligram per liter for antimony, or

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- (3) Ten times the maximum concentration value reported for that pollutant in the permit application.
4. The subject NPDES discharge facility continues to be classified as an NPDES Stormwater-Only Discharge Facility. Under Rule 62-4.052(11), F.A.C., the annual regulatory program and surveillance fee ("annual fee") for using the Individual NPDES stormwater-only discharge permit is presently set at \$400.00 for the two stormwater outfalls (\$200.00 for each outfall). Annual fee is due no later than January 15 each year.
- [62-620.625(1)]

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(7), 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)]

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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, F.S., or Rule 62-620.302, F.A.C. 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 or activity 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, F.A.C., and the Department of Environmental Protection Guide to Permitting Wastewater Facilities or Activities Under Chapter 62-620, F.A.C., at least 90 days before construction of any planned substantial

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modifications to the permitted facility is to commence or with Rule 62-620.325(2), F.A.C., 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 and Chapters 62-160, 62-601, and 62-610, 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), or as specified elsewhere in the permit.
- 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. Except as specifically provided in Rule 62-160.300, F.A.C., any laboratory test required by this permit shall be performed by a laboratory that has been certified by the Department of Health Environmental Laboratory Certification Program (DOH ELCP). Such certification shall be for the matrix, test method and analyte(s) being measured to comply with this permit. For domestic wastewater facilities, testing for parameters listed in Rule 62-160.300(4), F.A.C., shall be conducted under the direction of a certified operator.
- e. Field activities including on-site tests and sample collection shall follow the applicable standard operating procedures described in DEP-SOP-001/01 adopted by reference in Chapter 62-160, F.A.C.
- f. Alternate field procedures and laboratory methods may be used where they have been approved in accordance with 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's Southeast District any noncompliance which may endanger health or the environment. Any information shall be provided orally within 24 hours from the time the

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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's Southeast District 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's Southeast District shall waive the written report.

[62-620.610(20)]

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21. The permittee shall report all instances of noncompliance not reported under Permit Conditions IX. 17, 18 or 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" means the intentional diversion of waste streams from any portion of a treatment works.
- b. 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.
- c. 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.
- d. 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.
- e. 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. "Upset" means an exceptional incident in which there is unintentional and temporary noncompliance with technology-based effluent limitations because of factors beyond the reasonable control of the permittee.
 - (1) An upset does not include noncompliance caused by operational error, improperly designed treatment facilities, inadequate treatment facilities, lack of preventive maintenance, careless or improper operation.
 - (2) An upset constitutes an affirmative defense to an action brought for noncompliance with technology based permit effluent limitations if the requirements of upset provisions of Rule 62-620.610, F.A.C., are met.
- b. A permittee who wishes to establish the affirmative defense of upset shall demonstrate, through properly signed contemporaneous operating logs, or other relevant evidence that:

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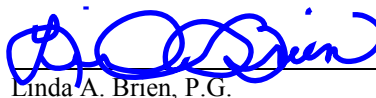
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- (1) An upset occurred and that the permittee can identify the cause(s) of the upset;
 - (2) The permitted facility was at the time being properly operated;
 - (3) The permittee submitted notice of the upset as required in Permit Condition IX.5. of this permit;
and
 - (4) The permittee complied with any remedial measures required under Permit Condition IX. 5. of
this permit.
- c. In any enforcement proceeding, the burden of proof for establishing the occurrence of an upset rests
with the permittee.
- d. 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)]

Executed in West Palm Beach, Florida.

STATE OF FLORIDA DEPARTMENT OF
ENVIRONMENTAL PROTECTION



Linda A. Brien, P.G.
Water Facilities Administrator
Southeast District

Attachment(s):
Statement of Basis
Discharge Monitoring Report

**AMENDMENT TO THE STATEMENT OF BASIS
AT THE TIME OF FINAL PERMIT ISSUANCE**

FACILITY I.D. NUMBER: FLS267562

PERMIT ISSUANCE DATE: (Refer to the stamped issuance date on the Notice of Permit)

APPLICATION NUMBER: FLS267562-003-ISW/NR

APPLICATION DATE: November 9, 2011; draft permit issued on February 3, 2012

PERMIT NUMBER: FLS267562 (Group ISW/Minor)

PERMIT WRITER [contact info.]: Paul C. Sze [phone #: 561-681-6747; email: paul.sze@dep.state.fl.us]

NAME OF PERMITTEE: Wheelabrator South Broward, Inc.

FACILITY NAME: Wheelabrator South Broward Waste-To-Energy Facility, Stormwater Discharge Facility

FACILITY LOCATION: 440 South State Road 7, Fort Lauderdale, FL 33314
Broward County

1. Applicant's Comments on the Draft Permit:

The Permittee's representative, Mr. Chuck Faller, E.H.S. Manager, has brought to our attention on February 16, 2012, of two typographical errors in the draft permit. The first error was with a wrong email address for their consultant, Ms. Audra McCafferty, P.E., with McCafferty Brisson being shown in the permit. The second error was with the incorrect dollar amount for the NPDES annual surveillance fee being shown in Permit Condition VIII.4. As the project has two separate authorized stormwater-only discharge outfalls, the correct annual fee should have been \$400.00 (\$200.00 per outfall X 2 outfalls) instead of the \$200.00 dollar amount shown before. The two errors have been corrected in the final permit. We are appreciative of Mr. Faller's effort.

2. Public Comments (from general public and other government agencies):

None received as of March 5, 2012, since issuance of the draft permit on February 3, 2012.

3. Changes in Permit from Draft Permit to Final Permit Stage:

There are no material changes of any kind in the final permit from its draft version dated February 3, 2012.

4. Other Update to the Statement of Basis from Draft Permit to Final Permit Stage:

There are no changes to the Statement of Basis provided in the draft permit issued on February 3, 2012.

**STATEMENT OF BASIS
FOR
STATE OF FLORIDA INDUSTRIAL WASTEWATER FACILITY PERMIT**

PERMIT NUMBER: FLS267562-003 (Minor)

FACILITY NAME: Wheelabrator South Broward Waste-To-Energy Facility, Stormwater Discharge Facility

FACILITY LOCATION: 440 South State Road 7, Fort Lauderdale, FL 33314
Broward County

NAME OF PERMITTEE: Wheelabrator South Broward, Inc.

PERMIT WRITER: Mr. Paul Sze

1. SUMMARY OF APPLICATION

a. Chronology of Application

Application Number: FLS267562-003-ISW/NR

Application Submittal Date: November 9, 2011

b. Type of Facility

PROJECT DESCRIPTION: (See the project narrative section starting on page 1 of permit.)

SIC Code: 4953 - Solid Waste Combustors and Incinerators

Secondary SIC Code: 4911 - Other Electric Power Generation

c. Facility Capacity

South Retention Pond

Existing Permitted Capacity *: 41.1 cfs (26.56 mgd equivalency)* Daily Maximum Flow

Proposed Increase in Permitted Capacity *: (no change)

Proposed Total Permitted Capacity *: 41.1 cfs (26.56 mgd equivalency)* Daily Maximum Flow

North Retention Pond

Existing Permitted Capacity *: 58.8 cfs (38.00 mgd equivalency)* Daily Maximum Flow

Proposed Increase in Permitted Capacity *: (no change)

Proposed Total Permitted Capacity *: 58.8 cfs (38.00 mgd equivalency)* Daily Maximum Flow

* The above flow capacity figures are presented for general indication or reference purposes only.
There are no flow limitations placed on the facility under the NPDES stormwater discharge permit.

d. Description of Stormwater Treatment

STORMWATER TREATMENT: (See the project narrative section starting on page 1 of permit.)

e. Description of Effluent Disposal and Land Application Sites (as reported by applicant)

See map(s) enclosed in the permit application record for effluent disposal and land application site(s).

2. SUMMARY OF SURFACE WATER DISCHARGE

This facility does not have a new or expanded discharge to surface waters.

The Department does not anticipate adverse impacts on threatened or endangered species as a result of permit issuance.

3. BASIS FOR PERMIT LIMITATIONS AND MONITORING REQUIREMENTS

South Site - This facility is authorized to discharge stormwater from Outfall D-001 to the SFWMD C-11 Canal East based on the following:

Parameter	Units	Max/ Min	Limit	Statistical Basis	Rationale
Flow	MGD	Max	Report	Daily Maximum	62-4.070 FAC (BPJ)
		Max	Report	Monthly Average	62-4.070 FAC (BPJ)
Oil and Grease	mg/L	Max	5.0	Daily Maximum	62-302.530, FAC
Solids, Total Suspended	mg/L	Max	60.0	Daily Maximum	62-4.070 FAC (BPJ)
pH	s.u.	Min	6.0	Daily Minimum	62-302.530, FAC
		Max	8.5	Daily Maximum	62-302.530, FAC
Oxygen, Dissolved (DO)	mg/L	Min	5.0	Daily Minimum	62-302.530, FAC
Coliform, Fecal	#/100mL	Max	800	Daily Maximum	62-302.530, FAC
Coliform, Total	#/100mL	Max	2400	Daily Maximum	62-302.530, FAC
Chemical Oxygen Demand (COD)	mg/L	Max	Report	Daily Maximum	62-4.070 FAC (BPJ)
Carbon, Total Organic (TOC)	mg/L	Max	Report	Daily Maximum	62-4.070 FAC (BPJ)
Nitrogen, Kjeldahl, Total (as N)	mg/L	Max	Report	Daily Maximum	62-4.070 FAC (BPJ)
Arsenic, Total Recoverable	mg/L	Max	Report	Daily Maximum	62-4.070 FAC (BPJ)
Lead, Total Recoverable	mg/L	Max	Report	Daily Maximum	62-4.070 FAC (BPJ)
Chromium, Total Recoverable	mg/L	Max	Report	Daily Maximum	62-4.070 FAC (BPJ)
Magnesium, Total Recoverable	mg/L	Max	Report	Daily Maximum	62-4.070 FAC (BPJ)
Magnesium, Dissolved	mg/L	Max	Report	Daily Maximum	62-4.070 FAC (BPJ)
Barium, Total Recoverable	mg/L	Max	Report	Daily Maximum	62-4.070 FAC (BPJ)
Cyanide, Total (as CN)	mg/L	Max	Report	Daily Maximum	62-4.070 FAC (BPJ)
Mercury, Total Recoverable	mg/L	Max	Report	Daily Maximum	62-4.070 FAC (BPJ)
Selenium, Total Recoverable	mg/L	Max	Report	Daily Maximum	62-4.070 FAC (BPJ)
Silver, Total Recoverable	mg/L	Max	Report	Daily Maximum	62-4.070 FAC (BPJ)
Cadmium, Total Recoverable	mg/L	Max	Report	Daily Maximum	62-4.070 FAC (BPJ)
Hardness, Total (as CaCO ₃)	mg/L	Max	Report	Daily Maximum	62-4.070 FAC (BPJ)
Solids, Total Dissolved (TDS)	mg/L	Max	Report	Daily Maximum	62-4.070 FAC (BPJ)

Statement of Basis (cont'd)

Parameter	Units	Max/ Min	Limit	Statistical Basis	Rationale
Acute Whole Effluent Toxicity, 96 Hour LC50 (Ceriodaphnia dubia)	percent	Min	100	Single Sample	62-302.200(1), 62-302.500(1)(a)4 & 62-4.241(1)(a) FAC
Acute Whole Effluent Toxicity, 96 Hour LC50 (Cyprinella leedsi)	percent	Min	100	Single Sample	62-302.200(1), 62-302.500(1)(a)4 & 62-4.241(1)(a) FAC

North Site - This facility is authorized to discharge stormwater from Outfall D-002 to the SFWMD C-11 Canal East based on the following:

Parameter	Units	Max/ Min	Limit	Statistical Basis	Rationale
Flow	MGD	Max	Report	Daily Maximum	62-4.070 FAC (BPJ)
		Max	Report	Monthly Average	62-4.070 FAC (BPJ)
Oil and Grease	mg/L	Max	5.0	Daily Maximum	62-302.530, FAC
Solids, Total Suspended	mg/L	Max	60.0	Daily Maximum	62-4.070 FAC (BPJ)
pH	s.u.	Min	6.0	Daily Minimum	62-302.530, FAC
		Max	8.5	Daily Maximum	62-302.530, FAC
Oxygen, Dissolved (DO)	mg/L	Min	5.0	Daily Minimum	62-302.530, FAC
Coliform, Fecal	#/100mL	Max	800	Daily Maximum	62-302.530, FAC
Coliform, Total	#/100mL	Max	2400	Daily Maximum	62-302.530, FAC
Chemical Oxygen Demand (COD)	mg/L	Max	Report	Daily Maximum	62-4.070 FAC (BPJ)
Carbon, Total Organic (TOC)	mg/L	Max	Report	Daily Maximum	62-4.070 FAC (BPJ)
Nitrogen, Kjeldahl, Total (as N)	mg/L	Max	Report	Daily Maximum	62-4.070 FAC (BPJ)
Arsenic, Total Recoverable	mg/L	Max	Report	Daily Maximum	62-4.070 FAC (BPJ)
Lead, Total Recoverable	mg/L	Max	Report	Daily Maximum	62-4.070 FAC (BPJ)
Chromium, Total Recoverable	mg/L	Max	Report	Daily Maximum	62-4.070 FAC (BPJ)
Magnesium, Total Recoverable	mg/L	Max	Report	Daily Maximum	62-4.070 FAC (BPJ)
Magnesium, Dissolved	mg/L	Max	Report	Daily Maximum	62-4.070 FAC (BPJ)
Barium, Total Recoverable	mg/L	Max	Report	Daily Maximum	62-4.070 FAC (BPJ)
Cyanide, Total (as CN)	mg/L	Max	Report	Daily Maximum	62-4.070 FAC (BPJ)
Mercury, Total Recoverable	mg/L	Max	Report	Daily Maximum	62-4.070 FAC (BPJ)
Selenium, Total Recoverable	mg/L	Max	Report	Daily Maximum	62-4.070 FAC (BPJ)
Silver, Total Recoverable	mg/L	Max	Report	Daily Maximum	62-4.070 FAC (BPJ)
Cadmium, Total Recoverable	mg/L	Max	Report	Daily Maximum	62-4.070 FAC (BPJ)
Hardness, Total (as CaCO ₃)	mg/L	Max	Report	Daily Maximum	62-4.070 FAC (BPJ)

Parameter	Units	Max/ Min	Limit	Statistical Basis	Rationale
Solids, Total Dissolved (TDS)	mg/L	Max	Report	Daily Maximum	62-4.070 FAC (BPJ)
Acute Whole Effluent Toxicity, 96 Hour LC50 (Ceriodaphnia dubia)	percent	Min	100	Single Sample	62-302.200(1), 62-302.500(1)(a)4 & 62-4.241(1)(a) FAC
Acute Whole Effluent Toxicity, 96 Hour LC50 (Cyprinella leedsi)	percent	Min	100	Single Sample	62-302.200(1), 62-302.500(1)(a)4 & 62-4.241(1)(a) FAC

This facility has provided reasonable assurance that the discharge will not adversely affect the designated use of the receiving water. Fifth year inspection data, where available, as well as all other available data, have been evaluated in accordance with the Department's reasonable assurance procedures to ensure that no limits other than those included in this permit are needed to maintain Florida water quality standards.

The eventual receiving water body for the project's discharge - SFWMD C-11 Canal East with WBID # of 3281 is listed on the 303D list published in 1998, with three parameters of concern - dissolved oxygen, total coliform bacteria and fecal coliform bacteria. Detailed water quality assessment procedures, undertaken in accordance with Chapter 99-223, Laws of Florida, are currently in process to further refine the evaluation of the parameters of concerns, and eventually establish the Total Maximum Daily Loads (TMDLs) for the impaired water body. The above information is based on the Department's publication titled Water Quality Assessment Report for the Biscayne Bay - Southeast Coast (Group 4 Basin) published in year 2006, where dissolved oxygen, total coliform bacteria and fecal coliform bacteria are listed as a parameter of concern. Another Department's publication titled Draft TMDL report for the Biscayne Bay - Southeast Coast, published in April of 2011, provides the latest information concerning fecal coliform bacteria.

There is no water quality monitoring result on the Department's file that would suggest the stormwater discharge from the project, should be considered a major source of either parameters of concern. Nevertheless, the three parameters of concern have been newly added to the monthly effluent monitoring list and for both outfalls. The addition is desired to collect more baseline water quality for the parameters at issue. Over the longer term, the addition offers the potential for the project to participate, with more knowledge, in the Basin Management Action Plan (BMAP), in order to achieve the regional wasteload reductions set forth in the future the TMDLs.

Toxicity testing continues to be required for this discharge, semi-annually if there is a discharge in the period.

4. DISCUSSION OF CHANGES TO PERMIT LIMITATIONS AND OTHER GENERAL ISSUES RELATED TO ISSUANCE OF DRAFT PERMIT

- a. The existing stormwater permit for this facility FLS267562-002-IW3S, issued on May 15, 2007, has been "administratively extended" in accordance with Rule 62-620.335(3), F.A.C. The renewal application filed on November 9, 2011, was deemed complete as of December 6, 2011. As a result, the existing permit shall not expire until the Department has taken final action on the application for renewal.
- b. In general, most of the narrative project descriptions, permit conditions, and other components provided in the draft renewed permit are essentially similar, if not identical, to those included in the existing permit that bears the same number issued on May 15, 2007. However, some of the permit conditions language are condensed, repackaged or relocated to different sections of the permit body, or otherwise revised, mostly to reflect the Department's current permit issuance standards. Some of the changes in the general appearance and layout of the permit are due to adoption of a new automated permit drafting program. Despite the changes in certain permit language and the design of the permit, there is overall no difference in the regulatory objective and compliance standard, in relation to the authorized stormwater-only discharge activity, and protection of the Class III (fresh) surface water receiving body. As stated before, three new

parameters - fecal coliform bacteria, total coliform bacteria and dissolved oxygen are now included in the monitoring program, adopted primarily in preparation of the Department's TMDL initiative that may affect this project in the future.

- c. The facility continues to be engaged in the same primary industrial activities - a waste-to-energy resources recovery process that converts waste to ash "monofill" residue, in the last permit cycle, and will continue to remain the same going forward. There have been no significant changes in either the nature of the primary industrial operations, or with the scope, design and layout of any major process components at the complex, or commencement of any new other outdoor activities or sources of pollution, that would materially or potentially impact the qualitative and quantitative characteristics of the stormwater runoff. The only minor modification being removal of the previous 2-acre leachate storage pond located at the south end of monofill section Cell 1B. This modification affects only the conveyance method for leachate, and otherwise would have no effect on the nature of the permitted stormwater discharge activity. The facility also appears to have been successfully implementing an effective stormwater pollution prevention and emergency spill containment plan. Furthermore, the facility continues to self-impose a very restrictive quasi no-discharge operational protocol, that results in not having a single incident of stormwater discharge in the entire last permit cycle, from both the southern and northern sites. Incidentally, the same historical no-discharge results have been reported by the facility since at least Year 2002. The two separate water control structures at the southern retention pond and northern retention pond, will continue to be closed off normally, and to allow off-site discharge only when it becomes necessary for flood prevention purpose.

Based on the above consistency factors in relation to the facility's design, performance and operation, and the absence of new stormwater discharge qualities that might have suggested any deficiency or anomaly in any performance area, the Department deems the existing permit requirements continue to be adequate in regulating the stormwater discharge at the facility moving forward.

- e. A review of the other aspects of the general compliance history for the facility revealed the following: (1) Inspection reports prepared by the Compliance/Enforcement Section in this office, revealed the facility has been generally rated satisfactory or "In Compliance" for all compliance areas evaluated annually in the years 2007, 2008 and 2010. As stated before, the facility has not reported a single stormwater discharge event, from either retention pond outfall, in the entire last permit cycle, starting from May 15, 2007 to the end of year 2011. (2) There are no known pending complaints or enforcement-related proceedings against the facility. (3) The facility is current in their payment of the \$400.00 (for two stormwater outfalls) NPDES annual wastewater regulatory and surveillance fee, including the required payment for year 2012. (4) The information provided in the Department's internal ICIS database confirms that the facility has not reported any stormwater discharge event in the aforementioned time frame. (5) The permit writer visited the site on December 6, 2011, and confirmed the facility was well maintained, and the facility staff was familiar with the discharge operations and all other aspects of the permit. The facility staff also confirmed that the slide gates at the two water control structures, that shut off all flow to the outfall pipes, will continue to be locked down normally, and only be opened when it becomes necessary. All of the permit-related facilities and associated discharge appurtenances were observed to be present and fully functional.

5. INDUSTRIAL SLUDGE MANAGEMENT

This section is not applicable to this facility.

6. GROUND WATER MONITORING REQUIREMENTS

This section is not applicable to this facility.

7. PERMIT SCHEDULES

A schedule is not included in the stormwater permit.

8. BEST MANAGEMENT PRACTICES/STORMWATER POLLUTION PREVENTION PLANS

As stated in Part VII of the permit, a Stormwater Pollution Prevention Plan (SWPPP) is required for the facility, pursuant to Rule 62-620.100(m), F.A.C., and 40 CFR Part 122.44(k). The plan provides a facility-specific approach for the minimizing of pollutant discharge from ancillary activities.

9. ADMINISTRATIVE ORDERS (AO) AND CONSENT ORDERS (CO)

This permit is not accompanied by an AO and has not entered into a CO with the Department.

10. REQUESTED VARIANCES OR ALTERNATIVES TO REQUIRED STANDARDS

No variances were requested for this facility.

11. 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 13. Copies will be provided at a minimal charge per page.

12. PROPOSED SCHEDULE FOR PERMIT ISSUANCE

Draft Permit and Public Notice to Applicant and EPA	Estimated between February 3 to February 9, 2012
Public Comment Period	Beginning: between February 3 to February 9, 2012 Ending: between March 3 to March 9, 2012
Proposed Permit to EPA	Estimated between February 3 to February 9, 2012
Notice of Intent to Issue	Not applicable - permit renewal.
Notice of Permit Issuance	Estimated before the end of March, 2012

13. DEP CONTACT

Additional information concerning the permit and proposed schedule for permit issuance may be obtained during normal business hours from:

Mr. Paul Sze
Professional Engineer II
Florida Department of Environmental Protection
Southeast District Office
Industrial Wastewater Permitting Program
400 N Congress Ave Suite 200
West Palm Beach, FL 33401-2913
Telephone No.: (561) 681-6747
Email address: Paul.Sze@dep.state.fl.us

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

When Completed mail this report to: Department of Environmental Protection, Wastewater Compliance Evaluation Section, MS 3551, 2600 Blair Stone Road, Tallahassee, FL 32399-2400

PERMITTEE NAME: Wheelabrator South Broward, Inc.
MAILING ADDRESS: 440 South State Road 7
Fort Lauderdale, Florida 33314

PERMIT NUMBER: FLS267562-003-ISW

LIMIT:
CLASS SIZE:

Final

REPORT TYPE: **Monthly**
PROGRAM: **Industrial**

FACILITY: Wheelabrator South Broward - Stormwater Discharge Facil.
LOCATION: 440 South State Road 7
Fort Lauderdale, Florida 33314

MONITORING GROUP NUMBER: D-001
MONITORING GROUP DESCRIPTION: Stormwater Outfall (South Site)

RE-SUBMITTED DMR: ☐

NO DISCHARGE FROM SITE: ☐

MONITORING PERIOD From: _____ To: _____

COUNTY: Broward
OFFICE: Southeast District

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
Flow	Sample Measurement										
PARM Code 50050 P Mon. Site No. STM-01	Permit Requirement	Report (Mo.Avg.)	Report (Day.Max.)	MGD						Daily, when discharging	Calculated/ Estimated
Oil and Grease	Sample Measurement										
PARM Code 00556 P Mon. Site No. STM-01	Permit Requirement					5.0 (Day.Max.)	mg/L			Monthly, when discharging	Grab
Solids, Total Suspended	Sample Measurement										
PARM Code 00530 P Mon. Site No. STM-01	Permit Requirement					60.0 (Day.Max.)	mg/L			Monthly, when discharging	Grab
pH	Sample Measurement										
PARM Code 00400 P Mon. Site No. STM-01	Permit Requirement				6.0 (Day.Min.)	8.5 (Day.Max.)	s.u.			Monthly, when discharging	Grab
Oxygen, Dissolved (DO)	Sample Measurement										
PARM Code 00300 P Mon. Site No. STM-01	Permit Requirement				5.0 (Day.Min.)		mg/L			Monthly, when discharging	Grab
Coliform, Fecal	Sample Measurement										
PARM Code 74055 P Mon. Site No. STM-01	Permit Requirement					800 (Day.Max.)	#/100mL			Monthly, when discharging	Grab
Coliform, Total	Sample Measurement										
PARM Code 74056 P Mon. Site No. STM-01	Permit Requirement					2,400 (Day.Max.)	#/100mL			Monthly, when discharging	Grab

I certify under penalty of law that this document and all attachments were prepared under my 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.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (mm/dd/yyyy)

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

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

When Completed mail this report to: Department of Environmental Protection, Wastewater Compliance Evaluation Section, MS 3551, 2600 Blair Stone Road, Tallahassee, FL 32399-2400

PERMITTEE NAME:	Wheelabrator South Broward, Inc.	PERMIT NUMBER:	FLS267562-003-ISW		
MAILING ADDRESS:	440 South State Road 7 Fort Lauderdale, Florida 33314	LIMIT:	Final	REPORT TYPE:	Semiannually
FACILITY:	Wheelabrator South Broward - Stormwater Discharge Facil.	CLASS SIZE:		PROGRAM:	Industrial
LOCATION:	440 South State Road 7 Fort Lauderdale, Florida 33314	MONITORING GROUP NUMBER:	D-001		
		MONITORING GROUP DESCRIPTION:	Stormwater Outfall (South Site)		
		RE-SUBMITTED DMR:	☐		
		NO DISCHARGE FROM SITE:	☐		
COUNTY:	Broward	MONITORING PERIOD	From:		To: _____
OFFICE:	Southeast District				

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
Chemical Oxygen Demand (COD)	Sample Measurement										
PARM Code 81017 P Mon. Site No. STM-01	Permit Requirement						Report (Day.Max.)	mg/L		Semiannually, when discharging	Grab
Carbon, Total Organic (TOC)	Sample Measurement										
PARM Code 00680 P Mon. Site No. STM-01	Permit Requirement						Report (Day.Max.)	mg/L		Semiannually, when discharging	Grab
Nitrogen, Kjeldahl, Total (as N)	Sample Measurement										
PARM Code 00625 P Mon. Site No. STM-01	Permit Requirement						Report (Day.Max.)	mg/L		Semiannually, when discharging	Grab
Arsenic, Total Recoverable	Sample Measurement										
PARM Code 00978 P Mon. Site No. STM-01	Permit Requirement						Report (Day.Max.)	mg/L		Semiannually, when discharging	Grab
Lead, Total Recoverable	Sample Measurement										
PARM Code 01114 P Mon. Site No. STM-01	Permit Requirement						Report (Day.Max.)	mg/L		Semiannually, when discharging	Grab
Chromium, Total Recoverable	Sample Measurement										
PARM Code 01118 P Mon. Site No. STM-01	Permit Requirement						Report (Day.Max.)	mg/L		Semiannually, when discharging	Grab

I certify under penalty of law that this document and all attachments were prepared under my 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.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (mm/dd/yyyy)

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

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Wheelabrator South Broward - Stormwater Discharge Facility MONITORING GROUP NUMBER: D-001 (South Site) PERMIT NUMBER: FLS267562-003-ISW
 MONITORING PERIOD From: _____ To: _____

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
Magnesium, Total Recoverable	Sample Measurement										
PARM Code 00921 P Mon. Site No. STM-01	Permit Requirement						Report (Day.Max.)	mg/L		Semiannually, when discharging	Grab
Magnesium, Dissolved	Sample Measurement										
PARM Code 00925 P Mon. Site No. STM-01	Permit Requirement						Report (Day.Max.)	mg/L		Semiannually, when discharging	Grab
Barium, Total Recoverable	Sample Measurement										
PARM Code 01009 P Mon. Site No. STM-01	Permit Requirement						Report (Day.Max.)	mg/L		Semiannually, when discharging	Grab
Cyanide, Total (as CN)	Sample Measurement										
PARM Code 00720 P Mon. Site No. STM-01	Permit Requirement						Report (Day.Max.)	mg/L		Semiannually, when discharging	Grab
Mercury, Total Recoverable	Sample Measurement										
PARM Code 71901 P Mon. Site No. STM-01	Permit Requirement						Report (Day.Max.)	mg/L		Semiannually, when discharging	Grab
Selenium, Total Recoverable	Sample Measurement										
PARM Code 00981 P Mon. Site No. STM-01	Permit Requirement						Report (Day.Max.)	mg/L		Semiannually, when discharging	Grab
Silver, Total Recoverable	Sample Measurement										
PARM Code 01079 P Mon. Site No. STM-01	Permit Requirement						Report (Day.Max.)	mg/L		Semiannually, when discharging	Grab
Cadmium, Total Recoverable	Sample Measurement										
PARM Code 01113 P Mon. Site No. STM-01	Permit Requirement						Report (Day.Max.)	mg/L		Semiannually, when discharging	Grab
Hardness, Total (as CaCO3)	Sample Measurement										
PARM Code 00900 P Mon. Site No. STM-01	Permit Requirement						Report (Day.Max.)	mg/L		Semiannually, when discharging	Grab
Solids, Total Dissolved (TDS)	Sample Measurement										
PARM Code 70295 P Mon. Site No. STM-01	Permit Requirement						Report (Day.Max.)	mg/L		Semiannually, when discharging	Grab

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

When Completed mail this report to: Department of Environmental Protection, Wastewater Compliance Evaluation Section, MS 3551, 2600 Blair Stone Road, Tallahassee, FL 32399-2400

PERMITTEE NAME:	Wheelabrator South Broward, Inc.	PERMIT NUMBER:	FLS267562-003-ISW	REPORT TYPE:	Toxicity Semiannually Industrial
MAILING ADDRESS:	440 South State Road 7 Fort Lauderdale, Florida 33314	LIMIT:	Final		
FACILITY:	Wheelabrator South Broward - Stormwater Discharge Facil.	CLASS SIZE:		PROGRAM:	
LOCATION:	440 South State Road 7 Fort Lauderdale, Florida 33314	MONITORING GROUP NUMBER:	D-001		
		MONITORING GROUP DESCRIPTION:	Stormwater Outfall (South Site)		
		RE-SUBMITTED DMR:	☐		
		NO DISCHARGE FROM SITE:	☐		
		MONITORING NOT REQUIRED:	☐		
COUNTY:	Broward	MONITORING PERIOD	From:	To:	
OFFICE:	Southeast District				

Parameter		Quantity or Loading	Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
LC50 STATRE 96HOUR ACUTE Ceriodaphnia dubia (Routine)	Sample Measurement									
PARM Code TAN3B P Mon. Site No. STM-01	Permit Requirement			100 (Min.)			percent		Semi-Annually; twice per year	Grab
LC50 STATRE 96HOUR ACUTE Ceriodaphnia dubia (Additional)	Sample Measurement									
PARM Code TAN3B Q Mon. Site No. STM-01	Permit Requirement			100 (Min.)			percent		As needed	As required by the permit
LC50 STATRE 96HOUR ACUTE Ceriodaphnia dubia (Additional)	Sample Measurement									
PARM Code TAN3B R Mon. Site No. STM-01	Permit Requirement			100 (Min.)			percent		As needed	As required by the permit
LC50 STATRE 96HOUR ACUTE Cyprinella leedsi (Routine)	Sample Measurement									
PARM Code TAN6H P Mon. Site No. STM-01	Permit Requirement			100 (Min.)			percent		Semi-Annually; twice per year	Grab
LC50 STATRE 96HOUR ACUTE Cyprinella leedsi (Additional)	Sample Measurement									
PARM Code TAN6H Q Mon. Site No. STM-01	Permit Requirement			100 (Min.)			percent		As needed	As required by the permit
LC50 STATRE 96HOUR ACUTE Cyprinella leedsi (Additional)	Sample Measurement									
PARM Code TAN6H R Mon. Site No. STM-01	Permit Requirement			100 (Min.)			percent		As needed	As required by the permit

Footnotes: 1. Enter "MNR" in the results column for each test that is not required.

2. Please refer to Permit Conditions I.A.13.f.(2)&(3) in the permit for the separate submission schedule for bioassay laboratory reports.

I certify under penalty of law that this document and all attachments were prepared under my 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.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (mm/dd/yyyy)

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

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

When Completed mail this report to: Department of Environmental Protection, Wastewater Compliance Evaluation Section, MS 3551, 2600 Blair Stone Road, Tallahassee, FL 32399-2400

PERMITTEE NAME:	Wheelabrator South Broward, Inc.	PERMIT NUMBER:	FLS267562-003-ISW	
MAILING ADDRESS:	440 South State Road 7 Fort Lauderdale, Florida 33314	LIMIT:	Final	REPORT TYPE:
		CLASS SIZE:		PROGRAM:
FACILITY:	Wheelabrator South Broward - Stormwater Discharge Facil.	MONITORING GROUP NUMBER:	D-002	Monthly Industrial
LOCATION:	440 South State Road 7 Fort Lauderdale, Florida 33314	MONITORING GROUP DESCRIPTION:	Stormwater Outfall (North Site)	
		RE-SUBMITTED DMR:	☐	
		NO DISCHARGE FROM SITE:	☐	
COUNTY:	Broward	MONITORING PERIOD	From: _____	To: _____
OFFICE:	Southeast District			

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
Flow	Sample Measurement										
PARM Code 50050 P Mon. Site No. STM-02	Permit Requirement	Report (Mo.Avg.)	Report (Day.Max.)	MGD						Daily, when discharging	Calculated/ Estimated
Oil and Grease	Sample Measurement										
PARM Code 00556 P Mon. Site No. STM-02	Permit Requirement					5.0 (Day.Max.)		mg/L		Monthly, when discharging	Grab
Solids, Total Suspended	Sample Measurement										
PARM Code 00530 P Mon. Site No. STM-02	Permit Requirement					60.0 (Day.Max.)		mg/L		Monthly, when discharging	Grab
pH	Sample Measurement										
PARM Code 00400 P Mon. Site No. STM-02	Permit Requirement				6.0 (Day.Min.)	8.5 (Day.Max.)		s.u.		Monthly, when discharging	Grab
Oxygen, Dissolved (DO)	Sample Measurement										
PARM Code 00300 P Mon. Site No. STM-02	Permit Requirement				5.0 (Day.Min.)			mg/L		Monthly, when discharging	Grab
Coliform, Fecal	Sample Measurement										
PARM Code 74055 P Mon. Site No. STM-02	Permit Requirement					800 (Day.Max.)		#/100mL		Monthly, when discharging	Grab
Coliform, Total	Sample Measurement										
PARM Code 74056 P Mon. Site No. STM-02	Permit Requirement					2,400 (Day.Max.)		#/100mL		Monthly, when discharging	Grab

I certify under penalty of law that this document and all attachments were prepared under my 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.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (mm/dd/yyyy)

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

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

When Completed mail this report to: Department of Environmental Protection, Wastewater Compliance Evaluation Section, MS 3551, 2600 Blair Stone Road, Tallahassee, FL 32399-2400

PERMITTEE NAME:	Wheelabrator South Broward, Inc.	PERMIT NUMBER:	FLS267562-003-ISW		
MAILING ADDRESS:	440 South State Road 7 Fort Lauderdale, Florida 33314	LIMIT:	Final	REPORT TYPE:	Semiannually
		CLASS SIZE:		PROGRAM:	Industrial
FACILITY:	Wheelabrator South Broward - Stormwater Discharge Facil.	MONITORING GROUP NUMBER:	D-002		
LOCATION:	440 South State Road 7 Fort Lauderdale, Florida 33314	MONITORING GROUP DESCRIPTION:	Stormwater Outfall (North Site)		
		RE-SUBMITTED DMR:	☐		
		NO DISCHARGE FROM SITE:	☐		
COUNTY:	Broward	MONITORING PERIOD	From:		To: _____
OFFICE:	Southeast District				

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
Chemical Oxygen Demand (COD)	Sample Measurement										
PARM Code 81017 P Mon. Site No. STM-02	Permit Requirement						Report (Day.Max.)	mg/L		Semiannually, when discharging	Grab
Carbon, Total Organic (TOC)	Sample Measurement										
PARM Code 00680 P Mon. Site No. STM-02	Permit Requirement						Report (Day.Max.)	mg/L		Semiannually, when discharging	Grab
Nitrogen, Kjeldahl, Total (as N)	Sample Measurement										
PARM Code 00625 P Mon. Site No. STM-02	Permit Requirement						Report (Day.Max.)	mg/L		Semiannually, when discharging	Grab
Arsenic, Total Recoverable	Sample Measurement										
PARM Code 00978 P Mon. Site No. STM-02	Permit Requirement						Report (Day.Max.)	mg/L		Semiannually, when discharging	Grab
Lead, Total Recoverable	Sample Measurement										
PARM Code 01114 P Mon. Site No. STM-02	Permit Requirement						Report (Day.Max.)	mg/L		Semiannually, when discharging	Grab
Chromium, Total Recoverable	Sample Measurement										
PARM Code 01118 P Mon. Site No. STM-02	Permit Requirement						Report (Day.Max.)	mg/L		Semiannually, when discharging	Grab

I certify under penalty of law that this document and all attachments were prepared under my 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.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (mm/dd/yyyy)

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

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Wheelabrator South Broward - Stormwater Discharge Facility MONITORING GROUP NUMBER: D-002 (North Site) PERMIT NUMBER: FLS267562-003-ISW
 MONITORING PERIOD From: _____ To: _____

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
Magnesium, Total Recoverable	Sample Measurement										
PARM Code 00921 P Mon. Site No. STM-02	Permit Requirement						Report (Day.Max.)	mg/L		Semiannually, when discharging	Grab
Magnesium, Dissolved	Sample Measurement										
PARM Code 00925 P Mon. Site No. STM-02	Permit Requirement						Report (Day.Max.)	mg/L		Semiannually, when discharging	Grab
Barium, Total Recoverable	Sample Measurement										
PARM Code 01009 P Mon. Site No. STM-02	Permit Requirement						Report (Day.Max.)	mg/L		Semiannually, when discharging	Grab
Cyanide, Total (as CN)	Sample Measurement										
PARM Code 00720 P Mon. Site No. STM-02	Permit Requirement						Report (Day.Max.)	mg/L		Semiannually, when discharging	Grab
Mercury, Total Recoverable	Sample Measurement										
PARM Code 71901 P Mon. Site No. STM-02	Permit Requirement						Report (Day.Max.)	mg/L		Semiannually, when discharging	Grab
Selenium, Total Recoverable	Sample Measurement										
PARM Code 00981 P Mon. Site No. STM-02	Permit Requirement						Report (Day.Max.)	mg/L		Semiannually, when discharging	Grab
Silver, Total Recoverable	Sample Measurement										
PARM Code 01079 P Mon. Site No. STM-02	Permit Requirement						Report (Day.Max.)	mg/L		Semiannually, when discharging	Grab
Cadmium, Total Recoverable	Sample Measurement										
PARM Code 01113 P Mon. Site No. STM-02	Permit Requirement						Report (Day.Max.)	mg/L		Semiannually, when discharging	Grab
Hardness, Total (as CaCO3)	Sample Measurement										
PARM Code 00900 P Mon. Site No. STM-02	Permit Requirement						Report (Day.Max.)	mg/L		Semiannually, when discharging	Grab
Solids, Total Dissolved (TDS)	Sample Measurement										
PARM Code 70295 P Mon. Site No. STM-02	Permit Requirement						Report (Day.Max.)	mg/L		Semiannually, when discharging	Grab

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

When Completed mail this report to: Department of Environmental Protection, Wastewater Compliance Evaluation Section, MS 3551, 2600 Blair Stone Road, Tallahassee, FL 32399-2400

PERMITTEE NAME:	Wheelabrator South Broward, Inc.	PERMIT NUMBER:	FLS267562-003-ISW	REPORT TYPE:	Toxicity Semiannually Industrial
MAILING ADDRESS:	440 South State Road 7 Fort Lauderdale, Florida 33314	LIMIT:	Final		
FACILITY:	Wheelabrator South Broward - Stormwater Discharge Facil.	CLASS SIZE:		PROGRAM:	
LOCATION:	440 South State Road 7 Fort Lauderdale, Florida 33314	MONITORING GROUP NUMBER:	D-002		
		MONITORING GROUP DESCRIPTION:	Stormwater Outfall (North Site)		
		RE-SUBMITTED DMR:	☐		
		NO DISCHARGE FROM SITE:	☐		
		MONITORING NOT REQUIRED:	☐		
COUNTY:	Broward	MONITORING PERIOD	From:	To:	
OFFICE:	Southeast District				

Parameter		Quantity or Loading	Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
LC50 STATRE 96HOUR ACUTE Ceriodaphnia dubia (Routine)	Sample Measurement									
PARM Code TAN3B P Mon. Site No. STM-02	Permit Requirement			100 (Min.)			percent		Semi-Annually; twice per year	Grab
LC50 STATRE 96HOUR ACUTE Ceriodaphnia dubia (Additional)	Sample Measurement									
PARM Code TAN3B Q Mon. Site No. STM-02	Permit Requirement			100 (Min.)			percent		As needed	As required by the permit
LC50 STATRE 96HOUR ACUTE Ceriodaphnia dubia (Additional)	Sample Measurement									
PARM Code TAN3B R Mon. Site No. STM-02	Permit Requirement			100 (Min.)			percent		As needed	As required by the permit
LC50 STATRE 96HOUR ACUTE Cyprinella leedsi (Routine)	Sample Measurement									
PARM Code TAN6H P Mon. Site No. STM-02	Permit Requirement			100 (Min.)			percent		Semi-Annually; twice per year	Grab
LC50 STATRE 96HOUR ACUTE Cyprinella leedsi (Additional)	Sample Measurement									
PARM Code TAN6H Q Mon. Site No. STM-02	Permit Requirement			100 (Min.)			percent		As needed	As required by the permit
LC50 STATRE 96HOUR ACUTE Cyprinella leedsi (Additional)	Sample Measurement									
PARM Code TAN6H R Mon. Site No. STM-02	Permit Requirement			100 (Min.)			percent		As needed	As required by the permit

Footnotes: 1. Enter "MNR" in the results column for each test that is not required.

2. Please refer to Permit Conditions I.A.13.f.(2)&(3) in the permit for the separate submission schedule for bioassay laboratory reports.

I certify under penalty of law that this document and all attachments were prepared under my 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.

NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	TELEPHONE NO	DATE (mm/dd/yyyy)

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

INSTRUCTIONS FOR COMPLETING THE WASTEWATER DISCHARGE MONITORING REPORT

Read these instructions before completing the DMR. Hard copies and/or electronic copies of the required parts of the DMR were provided with the permit. All required information shall be completed in full and typed or printed in ink. A signed, original DMR shall be mailed to the address printed on the DMR by the 28th of the month following the monitoring period. The DMR shall not be submitted before the end of the monitoring period.

The DMR consists of three parts--A, B, and D--all of which may or may not be applicable to every facility. Facilities may have one or more Part A's for reporting effluent or reclaimed water data. All domestic wastewater facilities will have a Part B for reporting daily sample results. Part D is used for reporting ground water monitoring well data.

When results are not available, the following codes should be used on parts A and D of the DMR and an explanation provided where appropriate. Note: Codes used on Part B for raw data are different.

CODE	DESCRIPTION/INSTRUCTIONS
ANC	Analysis not conducted.
DRY	Dry Well
FLD	Flood disaster.
IFS	Insufficient flow for sampling.
LS	Lost sample.
MNR	Monitoring not required this period.

CODE	DESCRIPTION/INSTRUCTIONS
NOD	No discharge from/to site.
OPS	Operations were shutdown so no sample could be taken.
OTH	Other. Please enter an explanation of why monitoring data were not available.
SEF	Sampling equipment failure.

When reporting analytical results that fall below a laboratory's reported method detection limits or practical quantification limits, the following instructions should be used:

1. Results greater than or equal to the PQL shall be reported as the measured quantity.
2. Results less than the PQL and greater than or equal to the MDL shall be reported as the laboratory's MDL value. These values shall be deemed equal to the MDL when necessary to calculate an average for that parameter and when determining compliance with permit limits.
3. Results less than the MDL shall be reported by entering a less than sign ("<") followed by the laboratory's MDL value, e.g. < 0.001. A value of one-half the MDL or one-half the effluent limit, whichever is lower, shall be used for that sample when necessary to calculate an average for that parameter. Values less than the MDL are considered to demonstrate compliance with an effluent limitation.

PART A -DISCHARGE MONITORING REPORT (DMR)

Part A of the DMR is comprised of one or more sections, each having its own header information. Facility information is preprinted in the header as well as the monitoring group number, whether the limits and monitoring requirements are interim or final, and the required submittal frequency (e.g. monthly, annually, quarterly, etc.). Submit Part A based on the required reporting frequency in the header and the instructions shown in the permit. The following should be completed by the permittee or authorized representative:

Resubmitted DMR: Check this box if this DMR is being re-submitted because there was information missing from or information that needed correction on a previously submitted DMR. The information that is being revised should be clearly noted on the re-submitted DMR (e.g. highlight, circle, etc.)

No Discharge From Site: Check this box if no discharge occurs and, as a result, there are no data or codes to be entered for all of the parameters on the DMR for the entire monitoring group number; however, if the monitoring group includes other monitoring locations (e.g., influent sampling), the "NOD" code should be used to individually denote those parameters for which there was no discharge.

Monitoring Period: Enter the month, day, and year for the first and last day of the monitoring period (i.e. the month, the quarter, the year, etc.) during which the data on this report were collected and analyzed.

Sample Measurement: Before filling in sample measurements in the table, check to see that the data collected correspond to the limit indicated on the DMR (i.e. interim or final) and that the data correspond to the monitoring group number in the header. Enter the data or calculated results for each parameter on this row in the non-shaded area above the limit. Be sure the result being entered corresponds to the appropriate statistical base code (e.g. annual average, monthly average, single sample maximum, etc.) and units.

No. Ex.: Enter the number of sample measurements during the monitoring period that exceeded the permit limit for each parameter in the non-shaded area. If none, enter zero.

Frequency of Analysis: The shaded areas in this column contain the minimum number of times the measurement is required to be made according to the permit. Enter the actual number of times the measurement was made in the space above the shaded area.

Sample Type: The shaded areas in this column contain the type of sample (e.g. grab, composite, continuous) required by the permit. Enter the actual sample type that was taken in the space above the shaded area.

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. Enter the date when the report is signed.

Comment and Explanation of Any Violations: Use this area to explain any exceedances, any upset or by-pass events, or other items which require explanation. If more space is needed, reference all attachments in this area.

PART B - DAILY SAMPLE RESULTS

Monitoring Period: Enter the month, day, and year for the first and last day of the monitoring period (i.e. the month, the quarter, the year, etc.) during which the data on this report were collected and analyzed.

Daily Monitoring Results: Transfer all analytical data from your facility's laboratory or a contract laboratory's data sheets for all day(s) that samples were collected. Record the data in the units indicated. Table 1 in Chapter 62-160, F.A.C., contains a complete list of all the data qualifier codes that your laboratory may use when reporting analytical results. However, when transferring numerical results onto Part B of the DMR, only the following data qualifier codes should be used and an explanation provided where appropriate.

CODE	DESCRIPTION/INSTRUCTIONS
<	The compound was analyzed for but not detected.
A	Value reported is the mean (average) of two or more determinations.
J	Estimated value, value not accurate.
Q	Sample held beyond the actual holding time.
Y	Laboratory analysis was from an unpreserved or improperly preserved sample.

To calculate the monthly average, add each reported value to get a total. For flow, divide this total by the number of days in the month. For all other parameters, divide the total by the number of observations.

Plant Staffing: List the name, certificate number, and class of all state certified operators operating the facility during the monitoring period. Use additional sheets as necessary.

PART D - GROUND WATER MONITORING REPORT

Monitoring Period: Enter the month, day, and year for the first and last day of the monitoring period (i.e. the month, the quarter, the year, etc.) during which the data on this report were collected and analyzed.

Date Sample Obtained: Enter the date the sample was taken. Also, check whether or not the well was purged before sampling.

Time Sample Obtained: Enter the time the sample was taken.

Sample Measurement: Record the results of the analysis. If the result was below the minimum detection limit, indicate that.

Detection Limits: Record the detection limits of the analytical methods used.

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

Sampling Equipment Used: Indicate the procedure used to collect the sample (e.g. airlift, bucket/bailer, centrifugal pump, etc.)

Samples Filtered: Indicate whether the sample obtained was filtered by laboratory (L), filtered in field (F), or unfiltered (N).

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. Enter the date when the report is signed.

Comments and Explanation: Use this space to make any comments on or explanations of results that are unexpected. If more space is needed, reference all attachments in this area.

SPECIAL INSTRUCTIONS FOR LIMITED WET WEATHER DISCHARGES

Flow (Limited Wet Weather Discharge): Enter the measured average flow rate during the period of discharge or divide gallons discharged by duration of discharge (converted into days). Record in million gallons per day (MGD).

Flow (Upstream): Enter the average flow rate in the receiving stream upstream from the point of discharge for the period 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.

Actual Stream Dilution Ratio: To calculate the Actual Stream Dilution Ratio, divide the average upstream flow rate by the average discharge flow rate. Enter the Actual Stream Dilution Ratio accurate to the nearest 0.1.

No. of Days the SDF > Stream Dilution Ratio: For each day of discharge, compare the minimum Stream Dilution Factor (SDF) from the permit to the calculated Stream Dilution Ratio. On Part B of the DMR, enter an asterisk (*) if the SDF is greater than the Stream Dilution Ratio on any day of discharge. On Part A of the DMR, add up the days with an "*" and record the total number of days the Stream Dilution Factor was greater than the Stream Dilution Ratio.

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.

Actual Rainfall: Enter the actual rainfall for each day on Part B. Enter the actual cumulative rainfall to date for this calendar year and the actual total monthly rainfall on Part A. The 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 DMR contains data.

Rainfall During Average Rainfall Year: On Part A, enter the total monthly rainfall during the average rainfall year and the cumulative rainfall for the average rainfall year. The cumulative rainfall for the average rainfall year is the amount of rain, in inches, which fell during the average rainfall year from January through the month for which this DMR contains data.

No. of Days LWWD Activated During Calendar Year: Enter the cumulative number of days that the limited wet weather discharge was activated since January 1 of the current year.

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