



Florida Department of Environmental Protection

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Rick Scott
Governor

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Secretary

April 22, 2011

Susan Schumann
FMPA – Environmental Licensing and Permitting
8553 Commodity Circle
Orlando, FL 32819-9002

RE: FMPA/KUA Cane Island Power Park
Modification to Conditions of Certification
DEP Case Number PA 98-38F
OGC Case Number 10-2588

FINAL ORDER MODIFYING CONDITIONS OF CERTIFICATION

Dear Ms. Schumann:

The Secretary of the Department of Environmental Protection, on behalf of the Governor and Cabinet (Siting Board), issued the Site Certification for the Florida Municipal Power Authority (FMPA) Cane Island Power Park (Unit 4) on December 22, 2008. This certification authorized the construction and operation of a nominal 300 MW combined cycle combustion turbine unit (Unit 4) in addition to three other units and associated support facilities, which were certified under the Power Plant Siting Act in 1999. Unit 1 is a nominal 40 MW simple cycle combustion turbine unit; Unit 2 is a nominal 120 MW combined cycle combustion turbine unit; Unit 3 is a nominal 250 MW combined cycle combustion turbine unit. The Department of Environmental Protection (Department) has modified the Conditions of Certification by Final Order on five other occasions.

The Department has reviewed FMPA's petition dated September 13, 2010 for modification to the Conditions of Certification. The petition is to construct and operate revised groundwater wells previously certified with Unit 4 at the Cane Island site, and correct the Units 1-3 well diameters to as-built conditions. Herein the Department also initiated a modification in accordance with 403.516(1)(c), Florida Statutes (F.S.) to update the existing Conditions of Certification to incorporate a uniform set of General Conditions consistent with recent Site Certifications.

On or shortly after March 7, 2011, all parties to the certification proceeding were provided with notice by certified mail of the Department's intent to modify the Conditions of Certification for this facility, along with a copy of the proposed Order Modifying Conditions of Certification.

On March 18, 2011, notice of the Department's intent to modify the Conditions of Certification for this facility was published in the Florida Administrative Weekly (FAW). Pursuant to Section 403.516, F.S., and Rule 62-17.211, Florida Administrative Code (F.A.C.), all parties to the certification proceeding have 45 days from the issuance of notice by mail to such party's last address of record in which to file a written objection to the modification; any person who is not already a party to the certification

proceeding and whose substantial interests will be affected by the requested modification has 30 days from the date of publication of the public notice in the FAW to object in writing; failure to act within the time frame constitutes a waiver of the right to object; and the Department will issue an Order Modifying the Conditions of Certification for this facility if no written objections are received by the Department.

No objections to the modification have been received by the Department. The Petition for Modification is approved and the Conditions of Certification for the Cane Island Power Park are hereby modified as follows (words ~~stricken~~ are deletions; words underlined are additions):

Modifications directly associated with the revised groundwater wells: *Language in the existing Conditions [XVI. Drinking Water Facilities (now paragraph E.); XVIII. Groundwater (now paragraph F.); XVII. NPDES and Industrial Wastes (now paragraph J.)] have been revised and moved to new Section B. Specific Conditions. Condition I. Department of Environmental Protection;*

I. DEPARTMENT OF ENVIRONMENTAL PROTECTION

E. Drinking Water Facilities

1. Use of Existing Facilities

The approval to operate and expand the distribution system for the existing potable water distribution system is subject to the non-procedural provisions of Chapter 403, F.S., and Chapters 62-555, 62-550, 62-560, 62-602, and 62-699, F.A.C. The ~~KUA~~ Licensee is approved to continue to operate the existing, permitted potable water system as shown on any previously-submitted and approved drawings, plans, and other documents attached thereto or on file with the DEP or Department of Health and made a part thereof. The ~~KUA~~ Licensee will submit a copy of any revisions to current plans to the DEP Central District Office.

Pursuant to Rule 62-555.540, F.A.C., any proposed extension of the potable water system to serve the expanded plant facilities may be undertaken following the filing with the DEP of a completed copy of DEP Form 62-555.910(1), F.A.C. Such form shall be submitted no later than 90 days prior to beginning work on the extension of the distribution system to serve the new connections.

2. Prior Approval for Construction or Expansion of Onsite Potable Water Systems

a. No portion of a new potable water supply system or any portion of a water supply system that will be or is intended to be converted to potable water use at a later date may be constructed without prior written approval from the Department. Construction of any portion of a new potable water supply system without the prior written approval of the Department will be considered a violation of the conditions of certification.

b. In order to obtain approval to construct a new onsite water supply system where the potable water is to be supplied by an off-site water supply system, the following information must be submitted to the Department no earlier than eighteen (18) months nor later than six months prior to the date that the water supply system is proposed for construction:

(1) A completed and fully executed application form which complies with the nonprocedural requirements of the rules and regulations of the Department in effect as of the date that the request for approval to construct the system is made to the Department; however, the Department will not accept "An Intent to Use a General Permit" for such a project.

[subsections 62-4.050, 62-555.500, .520, and .530, F.A.C.]

(2) Complete specifications for the material, hydraulic testing, disinfection, and workmanship covering the entire new potable water supply system for which the

request for approval to construct is being made. The specifications must be signed and sealed by an Professional Engineer registered in the state of Florida and must provide documentation that the material and workmanship will comply with all applicable nonprocedural rules of the Department in effect as of the date that the request for approval to construct is made to the Department.

[subsections 62-4.050, Rules 62-2.555.520, 62-555.340, 62-555.520(4)(a)(9)(c), 62-555.530, and 21H-23, F.A.C.]

(3) Complete engineering drawings of the entire proposed potable water supply system for which approval to construct is being made. The drawings must demonstrate full compliance with all applicable nonprocedural rules and regulations of the Department in effect as of date that the request for approval to construct is made to the Department. The drawing must be signed and sealed by an Professional Engineer registered in the state of Florida.

[subsections 62 and 4.050, 62-555.520, 62-555.530, and 21H-23, F.A.C.]

(4) Signed and sealed comprehensive engineering report by a Florida-registered Professional Engineer on the new potable water supply system which fully describes that project and basis of design. The report must include design data and such pertinent data to give an accurate understanding of the work to be undertaken and must provide supporting documentation that the new potable water system as proposed will comply with all applicable nonprocedural rules and regulations of the Department in effect as of the date that the request for approval to construct the water supply system is made to the Department.

[subsections 62-4.050, 62-555.520, 62-555.530, and 21H-23, F.A.C.]

(5) Documentation that the public water supply system supplying the water has the capacity in its water treatment system to serve the project and that the existing water transmission line from that system's water treatment plant to the point of connection with water supply system the KUA Licensee is proposing to construct has been designed and sized to provide sufficient water to meet the demand of the KUA Licensee project.

[subsections 62-4.050, 62-555.350, 62-555.520, and 62-555.530, F.A.C.]

c. Should the KUA Licensee request approval to construct a potable water treatment system which produces a waste stream (e.g., softening, electro-dialysis, reverse osmosis, etc.) other than as described in the original SCA, the KUA Licensee must submit as part of its request for approval to construct that water supply system documentation that the disposal of that waste stream has been approved by the appropriate agency or section of the Department.

3. Construction

a. The KUA Licensee must retain the services of a Florida-registered Professional Engineer ~~project engineer registered in the state of Florida~~ to observe that the construction of any changes in the water supply system is in accordance with the plans and specifications approved by the Department. The project engineer will be responsible for certifying to the Department that he/she observed the construction and that the construction conformed to the plans and specifications approved by the Department.

b. The approval to construct a new or modify the existing potable water supply system will be in effect for two (2) years from the date of issuance. All construction of the potable water supply system must be completed within this two (2) year period unless a written request for an extension of this date is made to the Department at least sixty (60) days prior to the expiration of the construction approval, and written approval for an extension of the expiration date is issued by the Department. The expiration date of the construction approval may be extended on a year-by-year basis. The maximum length of time that the approval or each subsequent approval for the construction of the potable water system may be in effect is five (5) years from the date of the original approval or for

subsequent approvals from the date of issuance of each approval. Should the construction of the water supply system not be completed within that five (5) year period, should the ~~KUA~~ Licensee have failed to request a timely extension of the approval expiration date, or should any water quality analysis submitted with the request for an extension of the expiration date demonstrate the presence of a contaminant for which the water treatment plant was not originally designed to handle, or as additional wells are installed on-site and proposed for connection to the potable water system, the ~~KUA~~ Licensee will have to make a new request to the Department for approval to construct the potable water system. That request must meet the submittal and approval requirements of the rules of the Department in effect as of the date that the request for approval is submitted and will be subject to the same review schedule as the original request.

c. No future, modified portion of the potable water supply system may be placed into service without the prior written approval of the Department except as authorized herein for extension of the potable water distribution system. Placing any portion of a modified potable water supply system into service prior to receipt of this written approval will be considered as a violation of the conditions of certification.

d. The Department will not issue approval to place the modified or new potable water supply system or any portion of that system into service unless the construction of the system or portion thereof had been approved for construction by the Department prior to the commencement of that construction.

e. In order to obtain approval to place a new portion of the potable water supply system into service, the ~~KUA~~ Licensee must make a written request for clearance to the Department using Form 62-555.900(9). The request must be in the form and/or manner stipulated in the letter authorizing construction of the potable water supply system and must include all information stipulated in that letter as being required to be submitted with the request for clearance, as well as any information required for clearance of a potable water supply system contained in applicable rules and regulations of the Department in effect as of the date that the request for clearance is made.

f. The Department will issue a letter of clearance to place the new or modified potable water supply system into service within thirty (30) days of receipt of a written request for clearance, provided that the request is accompanied by all necessary supporting documentation and meets the criteria for clearance contained in the applicable rules and regulations of the Department in effect as of the date that the request for clearance was made.

F. Groundwater

1. Monitoring Plan

When required by Florida Administrative Code Chapter 62-701, the ~~KUA~~ Licensee shall file a Ground Water Monitoring plan within 180 days of being advised by the Department for review and approval by the Central District of the DEP.

2. Groundwater Monitoring Requirements

a. The Licensee shall sample ground water in accordance with this condition and the approved Ground Water Monitoring Plan prepared in accordance with Rule 62-5220.600, F.A.C. [62-5220.600, ~~42-9-96~~ 07-12-2009]

b. The following monitoring wells shall be sampled quarterly

Well Name	GMS Monitoring	WAFR Monitoring	Depth (Feet)	Aquifer Monitored	Well Type	Existing
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	Location Site Number	Location Site Number				
MW-1	3049A17007	6240	42	Surficial	Background	Existing
MW-5	3049A17008	6239	42	Surficial	Compliance	Existing
MW-6	3049A17009	6238	35	Surficial	Compliance	Existing

c. The following parameters shall be analyzed quarterly for each of the monitoring wells identified above:

- (1) Ground Water Elevation (Relative to Feet, NGVD)
- (2) Benzene ($\mu\text{g}/4\text{L}$)
- (3) BTEX ($\mu\text{g}/4\text{L}$)
- (4) Chloride ($\text{mg}/4\text{L}$)
- (5) Nitrate ($\text{mg}/4\text{L}$)
- (6) pH (Standard Units)
- (7) Sodium ($\text{mg}/4\text{L}$)
- (8) Sulfate ($\text{mg}/4\text{L}$)
- (9) TDS ($\text{mg}/4\text{L}$)
- (10) TRPH ($\text{mg}/4\text{L}$)
- (11) Turbidity (NTU)

[subsection 62-5220.600, ~~12-9-96~~ 07-12-2009, F.A.C.]

3. General Ground Water Conditions:

a. A zone of discharge extends horizontally along the ground surface 100 feet or to the property line, whichever is less, and vertically to the base of the shallow aquifer.

[subsections 62-520.200(23), 62-5220.400, and 62-5220.420, F.A.C.]

b. In accordance with Form 62-620.910(10), water levels shall be recorded before purging wells for sample collection. Elevation references shall include the top of the well casing and land surface at each well site (NGVD) at a precision of plus or minus 0.1 foot.

[subsection 62-4.070(3), F.A.C.]

c. Ground water monitoring wells shall be purged prior to sampling to obtain representative samples.

[subsection 62-4.070(3), F.A.C.]

d. Ground water monitoring parameters shall be analyzed in accordance with Chapter 62-601, F.A.C. For compliance, the ground water standards must be met in accordance with Chapter 62-520.420, F.A.C.

[subsection 62-620.610(18), F.A.C.]

e. Analyses shall be conducted on unfiltered samples, unless filtered samples have been approved by the Department as being more representative of ground water conditions.

[subsection 62-4.070(3), F.A.C.]

f. Ground water monitoring test results for each monitoring well shall be submitted on Form 62-620.910(10). Results shall be submitted within 28 days following the completion of each quarter for each year during the period of operation allowed by this COC. A completed Certification Page shall accompany each quarter of monitoring data.

[subsections 62-4.070(3), 8-16-98], [62-5220.600(10) and (11)(b), 4/14/94] [62-620.610(18), F.A.C.]

g. If a monitoring well becomes damaged or cannot be sampled for some reason, the permittee shall notify the Ground Water Section, Central District, Orlando with a written report within seven days detailing the circumstances and remedial measures taken or proposed. Replacement of monitoring wells shall be approved in advance by the Department.

[subsection 62-4.070(3), F.A.C.]

J. Industrial Wastewater

~~This Condition of Certification is issued under the provisions of Chapter 403, Florida Statutes, and applicable rules of the Florida Administrative Code and constitutes authorization to discharge to waters of the state under the National Pollutant Discharge Elimination System. The Licensee is hereby authorized to operate the facilities shown in the Applications and other documents on file with the Department and made a part hereof and as specifically described in Permit No. FLA010961 (attached as Appendix IV). The Cane Island Power Park shall operate as follows:~~

1. Operation

The facility presently includes three fossil-fueled electric generating units, Unit 1, a simple-cycle gas turbine rated at 40 MW (nominal) and Unit 2, a gas-fired combined cycle unit rated at 120 MW (nominal); and Unit 3, a gas-fired combined-cycle gas turbine rated at 250 MW (nominal); with Unit 4, a gas-fired combined cycle gas turbine rated at 300 MW, being added. The existing facility discharge consists of cooling water blowdown, low volume wastes, and chemical and non-chemical metal cleaning wastes. The Cane Island Power Park receives reclaimed water from the Tohopekaliga Water Authority (TWA). This supply is designated INT-01. Well water supplies additional water needs. These are designated INT-02, from well 2A and INT-03, from Well 2B, and INT 04 from Well # 11 and INT-X. Licensee may alter the flow volumes from INT-01, INT-02, INT-03, ~~and INT-X~~ as required for operational needs. The TWA reclaimed water is used for cooling tower makeup water. The wells are used to supply the potable service and the demineralizer systems. The various wastestreams from the operation of the facility are listed as follows:

- a. Cooling Tower Blowdown.
- b. Neutralization Basin Effluent. This consists of:
 - (1) Ion Exchange Regeneration Wastes.
 - (2) Chemical/Metal Cleaning Rinses.
 - (3) Chemical Area Drains.
- c. Steam Cycle Blowdown.
- d. Drains from the Turbine Area, Plant and Equipment Areas.
- e. Area Drains as follows:
 - (1) ~~Fuel Oil Storage Tank Bermed Containment Area.~~
 - (2) Transformer Area Containment Bermed Area.
 - (3) ~~Fuel Oil Unloading Station~~
- f. Roof and Site Drains.
- g. Fuel Oil Storage Tank Bermed Containment Area

2. Treatment and Disposal

Wastestream b is treated by pH neutralization and settling before mixing with Wastestreams a and c. These three wastestreams ~~Wastewaters~~ are presently returned to the TWA

reclaimed water pipeline (designated as G-002) for discharged to the approved land application system. Wastestreams d and e are treated in oil/water separators prior to discharge to Class G-II ground water via percolation in two above ground impoundments designated as G-001 and G-003. There shall be no discharge of these wastestreams to surface waters of the State. Wastestream f shall be routed to an onsite stormwater management system.

3. Effluent Limitations and Monitoring Requirements:

a. Land Application Systems:

(1). Licensee is authorized to discharge, from Discharge Locations G-001 and G-003 ~~G-00X~~, process wastewater from the industrial wastewater treatment system (Wastestreams d & e) to impoundments onsite. Samples shall be taken at the sampling ports designated G-001 and G-003 ~~G-00X~~. Such discharge shall be limited and monitored by the Licensee as specified below:

Sampling Ports: G-001 and G-003

Parameters (Units)	Discharge Limitations *			Monitoring Requirements		
	Monthly Avg.	Daily Max.	Other	Frequency	Sample Type	Sample Point
Flow (MGD)**	0.02	Report	NA	Daily	Metered	G001 G003
TDS (mg/l)	Report	Report	NA	Monthly	Grab	G001 G003
Chlorides (mg/l)	Report	Report	NA	Monthly	Grab	G001 G003
Total Nitrogen (mg/l)	Report	Report	NA	Monthly	Grab	G001 G003
Sodium (mg/l)	Report	Report	NA	Monthly	Grab	G001 G003
Sulfates (mg/l)	Report	Report	NA	Monthly	Grab	G001 G003
TRPH (mg/l)***	Report	Report	NA	2/ Month	Grab	G001 G003
pH (SU)	<u>See Condition B.I.J.3.a.(5) See Condition XVII.B.1.e.</u>					

These notes refer to the above table and the following 3 tables in sections (2) and (3):

* Daily Discharge: The “discharge of a pollutant” measured during a calendar day or any 24 hour period that reasonably represents the calendar day for purposes of sampling. For pollutants with limitations expressed in units of mass, the “daily discharge” is calculated as the total mass of the pollutants discharged over the day. For pollutants expressed in other units of measurements; e.g., concentration, “daily discharge” is calculated as the average measurement of the pollutant over the day.

Average Monthly Discharge Limitation: The highest allowable average of “daily discharges” over a calendar month calculated as the sum of all “daily discharges” measured during a calendar month divided by the number of “daily discharges” measured during that month.

Maximum Daily Discharge Limitation: The highest allowable daily discharge.

** Flow limitation does not include the storm water component as may be introduced through the area plant drains.

*** TRPH: Total Recoverable Petroleum Hydrocarbons.

(2) Licensee is authorized to discharge, from Discharge Location G-002, ~~nonprocess~~ wastewater from wastestreams a, b and c to the TWA reclaimed water pipeline. Samples shall be taken at the sampling port designated G-002. Such discharge shall be limited and monitored by Licensee as specified below:

Sampling Port: G-002

Parameters (Units)	Discharge Limitations *			Monitoring Requirements		
	Monthly Avg.	Daily Max.	Other	Frequency	Sample Type	Sample Point
Flow (MGD)**	1.908	2.10	NA	Daily	Metered	G002
TDS (mg/l)	Report	Report	NA	2/Month	Grab	G002
Chlorides (mg/l)	Report	Report	NA	2/Month	Grab	G002
Nitrates as N (mg/l)	Report	Report	NA	Weekly	Grab	G002
Nitrates as N (#/ day) See Note 12 below	Report	Report	NA	Weekly	Grab	G002
Total Nitrogen (mg/l)	Report	Report	NA	Weekly	Grab	G002
Total Nitrogen (#/ day) See Note 12 below	Report	Report	NA	Weekly	Grab	G002
Sodium (mg/l)	Report	Report	NA	2/Month	Grab	G002
Sulfates (mg/l)	Report	Report	NA	2/Month	Grab	G002
TRPH*** (mg/l)	Report	Report	NA	Monthly	Grab	G002
pH (SU)	See Condition B.I.J.3.a.(5) See Condition XVII.B.1.e.					

(3) Licensee shall sample the TWA reclaimed water prior to use in the Power Plant. There will be a sampling port established that will be designated location INT-01 to obtain representative samples of this reclaimed water. Samples shall be taken at Location INT-01 and tested by Licensee as specified below:

Sampling Port: INT-01

Parameters (Units)	Discharge Limitations *			Monitoring Requirements		
	Monthly Avg.	Daily Max.	Other	Frequency	Sample Type	Sample Point
Flow (MGD)**)	Report	Report	NA	Daily	Metered	INT-01
Nitrates as N (#/ day) See Note 12 below	Report	Report	NA	Weekly	Grab	INT-01
Nitrates as N (mg/l)	Report	Report	NA	Weekly	Grab	INT-01
Total Nitrogen (#/ day) See Note 12 below	Report	Report	NA	Weekly	Grab	INT-01
Total Nitrogen (mg/l)	Report	Report	NA	Weekly	Grab	INT-01
pH (SU)	See Condition B.I.J.3.a.(5) See Condition XVII.B.1.e.					

(4) Licensee shall sample the raw water supply from the wells onsite that are used in the Power Plant. There will be sampling ports established that will be designated Locations INT-02, INT-03, and INT-~~X~~04 to obtain representative samples of this ground water. These ports shall be located on the lines from Well No. 2A, Well No. 2B, and Well No.11, respectively. Samples shall be tested by Licensee as specified below:

INT-02, INT-03, and INT-~~XX~~04

Parameters (Units)	Discharge Limitations *	Monitoring Requirements
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	Monthly Avg.	Daily Max.	Other	Frequency	Sample Type	Sample Points
Flow (gpd)** (if these are larger volumes - can be report as MGD)	Report	Report	NA	Daily	Metered	INT-02, -03, -04
TDS (mg/l)	Report	Report	NA	Monthly	Grab	INT-02, -03, -04
TSS (mg/l)	Report	Report	NA	Monthly	Grab	INT-02, -03, -04
Surfactants (mg/l)	Report	Report	NA	Monthly	Grab	INT-02, -03, -04
Total Nitrogen (#/day) See Note 12 below	Report	Report	NA	Weekly	Grab	INT-02, -03, -04
Total Nitrogen as N (mg/l)	Report	Report	NA	Weekly	Grab	INT-02, -03, -04
Nitrate Nitrogen (#/day) See Note 12 below	Report	Report	NA	Weekly	Grab	INT-02, -03, -04
Nitrate Nitrogen (mg/l)	Report	Report	NA	Weekly	Grab	INT-02, -03, -04
TRPH*** (mg/l)	Report	Report	NA	Monthly	Grab	INT-02, -03, -04
pH (SU)	See Condition B.I.J.3.a.(5) See Condition XVII.B.1.e.					

(5) The pH shall not be less than 6.0 standard units, or greater than 8.5 standard units at any time at Sampling Locations G001 ~~and G002 and G003 and G00X~~. The pH shall be monitored twice monthly by grab sample at Locations G001 and G002.

(6) Unless specified elsewhere in these conditions, samples taken in compliance with the monitoring requirements specified in ~~B.I.J.3.a.(5) XVII.B.1.~~ shall be taken at the nearest accessible point after final treatment but prior to the actual discharge to the land application system. The same sampling point shall be used in each sampling event.

(7) There shall be no discharge of industrial wastewater from this facility to surface waters.

(8) Monitoring results obtained for each calendar month shall be summarized for that period and reported on a Discharge Monitoring Report (DMR), attached as Attachment C, Form 62-620.910(10), postmarked no later than the 28th day of the month following the completed calendar month. For example, data for January shall be submitted by February 28. Signed copies of the DMR shall be submitted to the address specified below:

Florida Department of Environmental Protection
Central District Office
Industrial Wastewater Program
3319 Maguire Boulevard, Suite 232
Orlando, FL 32803

If no discharge occurs during the reporting period, the above sampling requirements of the permit do not apply. The DMR shall be submitted with the statement "No discharge" written on the DMR form. If, during the term period of this certification, the Power Plant

ceases to discharge, the Department shall be notified immediately upon cessation of discharge. Such notification shall be in writing.

(9) Grab samples shall be collected during periods of minimal treatment plant pollutant removal efficiencies or maximum hydraulic and/or pollutant loading.

(10) If there is no discharge from the facility on a day scheduled for sampling, the sample shall be collected on the day of the next discharge.

(11) Any bypass of the treatment facility which is not included in the monitoring specified in B.I.J.3 above is to be monitored for flow and all other required parameters. For parameters other than flow, at least one grab sample per day shall be monitored. Daily flow shall be monitored or estimated, as appropriate, to obtain reasonable data. All monitoring results shall be reported on the appropriate DMR.

(12) There shall be no net increase of ~~€~~Total Nitrogen and Total Nitrates in pounds per day, on an annual basis, introduced back into the TWA reclaimed water pipeline than was received from the TWA in the reclaimed water used for supply. Calculations shall be made on the following basis: Total weekly flow in Million Gallons x 8.34 x concentration in mg/l for each parameter.

b. Industrial Sludge Management Requirements

There will be no residual solids generated in the treatment/ disposal process at this facility.

c. Waste Oil

Waste oil removed from any treatment unit in this system shall be stored onsite in a separate waste oil tank. The stored waste oil shall be managed and ultimately disposed of by a licensed used oil recycler in accordance with the provisions of Chapter 62-710, F.A.C.

d. Mixing of Waste

Mixing any waste product generated from this wastewater treatment system with septage or domestic residuals is prohibited.

~~€~~4. Other Limitations and Monitoring Requirements

4a. 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 quantification 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(1) 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-(2) 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

e-(3) 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 quantification 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]

~~The approved analytical methods and corresponding Department established MDL (method detection limits) and PQL (practical quantification limit) shall be used when conducting monitoring at sampling points G001, G002, G00X, INT 01, INT 02, INT 03, and INT X as specified in B above or the following.~~

~~a. Results greater than or equal to the PQL shall be reported as the measured quantity.~~

~~b. Results less than the PQL and greater than or equal to the MDL shall be reported as the PQL followed by the lab code "in", and shall be deemed equal to the MDL when necessary to calculate an average for that parameter.~~

~~c. Results less than the MDL shall be reported as the MDL followed by the lab code "u". A value of one half the MDL or 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 limit or monitoring requirement. [62-4.246, 6-13-96]~~

b. Monitoring results obtained for each calendar month shall be summarized for that month and reported on a Discharge Monitoring Report (DMR), Form 62-620.910(10), postmarked no later than the 28th day of the month following the completed calendar month. For example, data for January shall be submitted by February 28. Signed copies of the DMR shall be submitted to the address specified below:

Florida Department of Environmental Protection
Wastewater Facilities Regulation Section, Mail Station 3550
Bob Martinez Center, 2600 Blair Stone Road
Tallahassee, Florida 32399-2400

If no discharge occurs during the reporting period, sampling requirements of this certification do not apply. The statement "No Discharge" shall be written on the DMR form. If, during the term period of this certification, the facility ceases to discharge, the Department shall be notified immediately upon cessation of discharge. Such notification shall be in writing. ~~Additionally, the Licensee shall notify the Department within 30 days, in writing, of the permanent shutdown of Units 5 and 6 and of the commencement of Commercial Operation of Unit 8.~~

~~3c.~~ Unless specified otherwise in this certification, all other reports and notifications required by these Conditions, including twenty-four hour notifications, shall be submitted to or reported to, as appropriate, the Department's Central District Office at the address specified below:

Florida Department of Environmental Protection Industrial Wastewater Section
Central District Office,
3319 Maguire Boulevard, Suite 232,
Orlando, Florida 32803-3767
Phone number 407/894-7555.

~~4d.~~ There shall be no discharge of polychlorinated biphenyl compounds (PCBs) such as those commonly used for transformer fluid.

~~5e.~~ The Licensee shall provide safe access points for obtaining representative samples which are required by this certification.

~~6.~~ ~~The Licensee shall ensure that all laboratory analytical data submitted to the Department is from a laboratory which has a currently valid and Department approved Comprehensive Quality Assurance Plan (CompQAP) [or a CompQAP pending approval] for all parameters being reported as required by 62-160, Florida Administrative Code.~~

~~7f.~~ Discharge of hydrazine in boiler blowdown is authorized without limitation or monitoring requirements.

The existing Condition XXIII. South Florida Water Management District has been revised and moved to new Section B. Specific Conditions. Condition VI.

VI. SOUTH FLORIDA WATER MANAGEMENT DISTRICT(S)

A. No Change

B. Water Use Conditions

1. No Change
2. Site Specific Design Authorizations
 - a.-c. No change
 - d. Authorized Withdrawal Facilities
 - 2 - 8" X 400' X 200 GPM wells cased to 150 feet
 - 4 - 10" X 400' X 450 GPM wells cased to 150 feet
 - 3 - 10" X 400' X 665 GPM wells cased to 150 feet
 - 1 - 10" X 400' X 250 GPM well cased to 150 feet

Modifications associated with the Incorporation of General Conditions

The modified Conditions of Certification PA 98-38F (Attachment A to this document) replace the existing Conditions of Certification PA 98-38F (Attachment B) in their entirety. Several existing Conditions have been updated and incorporated into the more uniform set of General Conditions. Many existing Conditions have been moved to different sections of the document.

The existing Conditions (Attachment B) contain cross references to the corresponding conditions in the modified Conditions (Attachment A) appearing in red following each section of the document. In the electronic Adobe pdf file of the existing Conditions (Attachment B), the cross references have been electronically linked to the corresponding condition in the Adobe pdf file of the modified Conditions (Attachment A). In order to toggle between the two documents on your screen, copy both files (Attachment A and Attachment B) from http://publicfiles.dep.state.fl.us/Siting/Outgoing/FMPA_KUA%20Cane%20Island/Modifications/ModF/Conditions/ and paste them into a single folder. (If you open the documents from the ftp site and “Save As”, the links will not work. You must copy and paste with the same file names.) Clicking on a link in Attachment B will take you directly to the corresponding condition in Attachment A.

A complete set of the Conditions of Certification (including attachments) can be viewed and downloaded from the following website: <http://www.dep.state.fl.us/siting/certification.htm> Copies of the Conditions of Certification and/or attachments may also be obtained by contacting Cindy Mulkey, Administrator, Siting Coordination Office, Department of Environmental Protection, 3900 Commonwealth Blvd., M.S. 48, Tallahassee, Florida 32399-3000, (850) 245-2002.

Any party to this Order has a right to seek judicial review of it pursuant to Section 120.68, F.S., by filing a Notice of Appeal, pursuant to Rule 9.110, Florida Rules of Appellate Procedure, with the Clerk of the Department of Environmental Protection in the Office of General Counsel, 3900 Commonwealth Boulevard, M.S. 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 thirty days from the date this Order is filed with the Clerk of the Department of Environmental Protection.

Executed in Tallahassee, Florida.

Sincerely,

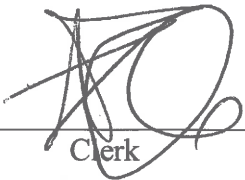


Cindy Mulkey
Administrator,
Siting Coordination Office

CC. Caroline Shine, FDEP, caroline.shine@dep.state.fl.us
Vivian Garfein, FDEP, vivian.garfein@dep.state.fl.us

FILING AND ACKNOWLEDGMENT

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



Clerk

4/22/11

Date

Service List: CC by email (receipt verification requested)

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Commission
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