

**STATE OF FLORIDA
DEPARTMENT
OF
ENVIRONMENTAL PROTECTION**



Conditions of Certification

**Gainesville Regional Utilities
Deerhaven Generating Station**

PA74-04J

Modified April 21, 2020

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Attachment E	Approved Groundwater Monitoring Plan

SECTION A: GENERAL CONDITIONS

SECTION A: GENERAL CONDITIONS

I. SCOPE

A. Pursuant to the Florida Electrical Power Plant Siting Act (PPSA), Sections 403.501-.518, Florida Statutes (F.S.), and Chapter 62-17, Florida Administrative Code (F.A.C.), this Certification is issued to Gainesville Regional Utilities (GRU) as owner/operator and Licensee of Deerhaven Generating Station. Subject to the requirements contained in these Conditions of Certification (Conditions), GRU will operate a nominal 309 MW facility consisting of Unit 2 (coal-fired boiler and steam turbine-electric generator), a nominal 76 MW simple cycle combustion turbine (Unit 3), and associated facilities as described in the Site Certification Application (SCA). The electric generating units are located on an approximate 1,116-acre site at 10001 NW 13th St in Gainesville, Florida. The UTM coordinates are: Zone 17, 367.70 km East; 3292.60 km North; and the latitude/longitude coordinates are: 29°45'30" North/82°23'13" West. The Department does not intend, solely by the incorporation of these General Conditions, to require the retrofitting of existing Certified Facilities.

B. The Certified Facility includes but is not limited to the following major associated facilities:

- Steam electric generating Unit (rating – 250 MW)
- Fuel storage and handling facilities
- Cooling tower
- Ash handling facilities
- Brine concentrator
- Water softening equipment
- Coal pile
- Ash landfill

C. These Conditions, unless specifically amended or modified, are binding upon the Licensee and shall apply to the construction, operation, and maintenance of the Certified Facility. If a conflict should occur between the design criteria of this Certified Facility and the Conditions, the Conditions shall prevail unless amended or modified. In any conflict between any of these Conditions, the more specific condition governs.

D. Within 60 days after completion of construction of the electrical power plant as defined by Section 403.503(14), F.S., but excluding off-site linear and non-linear associated facilities, the Licensee shall provide to the Department in .pdf format: a survey map signed by a professional land surveyor, or acceptable equivalent documentation such as an official legal description, delineating the boundaries of the site as defined by Section 403.503(28), F.S., and an aerial photograph delineating the boundaries of the site. The survey map and aerial photograph shall be identified as the Site Delineation and attached hereto as part of Attachment A (Maps).

The Licensee shall notify the Department of any change to the site boundary depicted in the Site Delineation in Attachment A (Maps). The notification shall be accompanied by an updated land survey map (or legal description) and aerial photograph delineating the new boundaries of the site for review by the Department. Absent the above description/delineation of the site, the Department will consider the perimeter fence line of the property on which the electrical power plant's generating facility and on-site support facilities are located to be the boundaries of the site.

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E. If both certified and uncertified Facilities lie within the boundaries of the site, the Licensee shall also comply with the requirements of this paragraph. Within 60 days after completion of construction of the plant and on-site associated facilities, but excluding off-site linear and non-linear associated facilities, the Licensee shall provide to the Department in .pdf format acceptable documentation identifying the certified and non-certified facilities within the site such as an aerial photograph. Certified facilities identified within the site shall include both the certified electrical power plant's generating facilities as defined in Section 403.503(28), F.S., and its on-site certified associated facilities (including on-site linear facilities) as defined by Section 403.503(7), F.S. The document shall be known as the Certified Facilities Identification and attached hereto as part of Attachment A (Maps).

F. Within 120 days after completion of construction of any off-site associated non-linear facilities, the Licensee shall provide to the Department in .pdf format; a survey map signed by a professional land surveyor, or acceptable equivalent documentation such as an official legal description, delineating the boundaries of the certified areas for each off-site non-linear Certified Facility; and an aerial photograph delineating the boundaries of the certified area for each off-site non-linear Certified Facility. The survey map(s) and aerial photograph(s) shall be known as Delineation of the Certified Off-Site Non-Linear Facilities and attached hereto as part of Attachment A (Maps).

G. Within 180 days after completion of construction of any new off-site associated linear facilities, as defined by Section 403.503(7), F.S., the Licensee shall provide; an aerial photograph(s)/map(s) at a scale of at least 1:400, or acceptable equivalent documentation such as an official legal description or survey map(s) signed by a professional land surveyor, delineating the boundaries of the certified site for the linear facilities, following acquisition of all necessary property interests and the corridor narrowing as described in Section 403.503(11), F.S., which shall be known as the Delineation of Certified Off-Site Linear Facilities and attached as part of Attachment A (Maps).

Following any post-certification approvals that require a change to the boundaries of the certified facility(ies) depicted in the Delineation of Certified Off-Site Linear Facilities in Attachment A (Maps), the Licensee shall submit an updated aerial photograph/map, survey map, or legal description.

[Sections 403.511 and 403.5113, F.S.; Rules 62-4.160(1), (2), and 62-17.205(2), F.A.C.]

II. APPLICABLE DEPARTMENT RULES

The construction, operation, and maintenance of the Certified Facility shall be in accordance with all applicable non-procedural provisions of Florida Statutes and Florida Administrative Code, including, but not limited to, the applicable non-procedural portions of the following Department regulations, except to the extent a variance, exception, exemption, or other relief is granted in the Final Order of Certification or in a subsequent modification to the Conditions, under any federal permit, or as otherwise provided under Chapter 403, F.S.:

Florida Administrative Code:

- 18-2 (Management of Uplands Vested in the Board of Trustees)
- 18-14 (Administrative Fines for Damaging State Lands)
- 18-20 (Aquatic Preserves)
- 18-21 (Sovereign Submerged Lands Management)

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- 62-4 (Permits)
- 62-17 (Electrical Power Plant Siting)
- 62-40 (Water Resource Implementation Rule)
- 62-150 (Hazardous Substance Release Notification)
- 62-160 (Quality Assurance)
- 62-204 (Air Pollution Control-General Provisions)
- 62-210 (Stationary Sources-General Requirements)
- 62-212 (Stationary Sources-Preconstruction Review)
- 62-213 (Operation Permits for Major Sources of Air Pollution)
- 62-256 (Open Burning)
- 62-296 (Stationary Sources-Emission Standards)
- 62-297 (Stationary Sources-Emission Monitoring)
- 62-302 (Surface Water Quality Standards)
- 62-303 (Identification of Impaired Surface Waters)
- 62-304 (Total Maximum Daily Loads)
- 62-330 (Environmental Resource Permitting)
- 62-340 (Delineation of the Landward Extent of Wetlands and Surface Waters)
- 62-342 (Mitigation Banks)
- 62-345 (Uniform Mitigation Assessment Method)
- 62-520 (Groundwater Classes, Standards, and Exemptions)
- 62-528 (Underground Injection Control)
- 62-531 (Water Well Contractor Licensing Requirements)
- 62-532 (Water Well Permitting and Construction Requirements)
- 62-550 (Drinking Water Standards, Monitoring, and Reporting)
- 62-555 (Permitting, Construction, Operation, and Maintenance of Public Water Systems)
- 62-560 (Requirements for Public Water Systems That Are Out of Compliance)
- 62-600 (Domestic Wastewater Facilities)
- 62-601 (Domestic Wastewater Treatment Plant Monitoring)
- 62-604 (Collection Systems and Transmission Facilities)
- 62-610 (Reuse of Reclaimed Water and Land Application)
- 62-620 (Wastewater Facility and Activities Permitting)
- 62-621 (Generic Permits)
- 62-650 (Water Quality Based Effluent Limitations)
- 62-660 (Industrial Wastewater Facilities)
- 62-699 (Classification and Staffing of Water or Domestic Wastewater Treatment Plants and Water Distribution Systems)
- 62-701 (Solid Waste Management Facilities)
- 62-709 (Criteria for Organics Processing and Recycling Facilities)
- 62-710 (Used Oil Management)
- 62-730 (Hazardous Waste)
- 62-737 (Management of Spent Mercury-Containing Lamps and Devices Destined for Recycling)
- 62-740 (Petroleum Contact Water)
- 62-761 (Underground Storage Tank Systems)
- 62-762 (Aboveground Storage Tank Systems)

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62-769 (Florida Petroleum Liability and Restoration Insurance Program)
62-777 (Contaminant Cleanup Target Levels)
62-780 (Contaminated Site Clean-Up Criteria)
62-814 (Electric and Magnetic Fields)

III. REVISIONS TO DEPARTMENT STATUTES AND RULES

A. The Licensee shall comply with rules adopted by the Department subsequent to the issuance of the Certification under the PPSA which prescribe new or stricter criteria, to the extent that the rules are applicable to electrical power plants. Except when a variance, exception, exemption, or other relief have been granted, subsequently adopted Department rules which prescribe new or stricter criteria shall operate as automatic modifications to the Certification.

B. Upon written notification to the Department, the Licensee may choose to operate the certified electrical power plant in compliance with any rule subsequently adopted by the Department which prescribes criteria more lenient than the criteria required by the terms and conditions in the certification which are not site-specific.

[Sections 403.511(5)(a) and (b), F.S.; Rule 62-4.160(10), F.A.C.]

IV. DEFINITIONS

The meaning of terms used herein shall be governed by the applicable definitions contained in Chapters 253, 373, 379, and 403, F.S., and any regulation adopted pursuant thereto. In the event of any dispute over the meaning of a term used in these Conditions which is not defined in such statutes or regulations, such dispute shall be resolved by reference to the most relevant definitions contained in any other state or federal statute or regulation, or in the alternative, by the use of the commonly accepted meaning. As used herein, the following shall apply:

A. “Application” or “SCA” as defined in Section 403.503(6), F.S. For purposes of this license, “Application” shall also include materials submitted for post-certification amendments and petitions for modification to the Conditions of Certification, as well as supplemental applications.

B. “Associated Facilities” as defined by Section 403.503(7), F.S.

C. “Certified Facility” or “Certified Facilities” means the certified electrical power generation facilities and all certified on- or off-site associated structures and facilities identified/described in the Application, in the Final Order of Certification, or in a post-certification amendment or modification.

D. “DEO” means the Florida Department of Economic Opportunity.

E. “DEM” shall mean the Florida Division of Emergency Management.

F. “DEP” or “Department” means the Florida Department of Environmental Protection.

G. “DHR” means the Florida Department of State, Division of Historical Resources.

H. “DOT” means the Florida Department of Transportation.

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I. “Emergency conditions” or “Emergency reporting” means urgent circumstances involving potential adverse consequences to human life or property as a result of weather conditions or other calamity.

J. “Feasible” or “Practicable” means reasonably achievable considering a balance of land use impacts, environmental impacts, engineering constraints, and costs.

K. “FWC” means the Florida Fish and Wildlife Conservation Commission.

L. “Licensee” means an applicant that has obtained a certification order for the subject project.

M. “Post-certification submittal” shall mean a submittal made by the Licensee pursuant to a Condition of Certification.

N. “Right-of-Way” or ROW” means the right-of-way to be selected by the Licensee within the certified corridor in accordance with the Conditions of Certification and as defined in Section 403.503(27), F.S.

O. “Site” as defined in Section 403.503(28).

P. “State Water Quality Standards” shall mean the numerical and narrative criteria applied to specific water uses or classifications set forth in Rules 62-302 and 62-520, F.A.C.

Q. “Surface Water Management System” or “System” means a stormwater management system, dam, impoundment, reservoir, appurtenant work, or works, or any combination thereof. The terms “surface water management system” or “system” include areas of dredging or filling, as those terms are defined in Sections 373.403(13) and (14), F.S.

R. “NED, NWD, CD, SED, SWD, SD” shall mean the applicable DEP district office.

S. “NWF, SR, SJR, SWF, or SFWMD” means the Northwest Florida, Suwannee River, St. Johns River, Southwest Florida, or South Florida Water Management District, respectively.

T. “Wetlands” shall mean those areas meeting the definition set forth in Section 373.019(27), F.S., as delineated pursuant to Chapter 62-340, F.A.C.

V. FEDERALLY DELEGATED OR APPROVED PERMIT PROGRAMS

Subject to the conditions set forth herein, this certification shall constitute the sole license of the state and any agency as to the approval of the location of the site and any associated facility and the construction and operation of the proposed electrical power plant, except for the issuance of Department Licenses required under any federally delegated or approved permit program. This Certification is not a waiver of any other Department approval that may be required under federally delegated or approved programs. In the event of a conflict between the certification process and federally required procedures, the applicable federal requirements shall control.

[Sections 403.5055, 403.508(8), and 403.511(1), F.S.]

VI. DESIGN AND PERFORMANCE CRITERIA

Certification, including these Conditions, is predicated upon preliminary designs, concepts, and performance criteria described in the SCA or in testimony and exhibits in support

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of Certification. Final engineering design will be consistent and in substantial compliance with the preliminary information described in the SCA or as explained at the certification hearing (if any). Conformance to those criteria, unless specifically modified in accordance with Sections 403.516, F.S., and Rule 62-17.211, F.A.C., is binding upon the Licensee in the design, construction, operation, and maintenance of the Certified Facility.

[Sections 403.511(2)(a) and 403.516, F.S.; Rules 62-4.160(2), 62-17.211, F.A.C.]

VII. NOTIFICATION

A. If, for any reason, the Licensee does not comply with or will be unable to comply with any condition or limitation specified in this License, the Licensee shall provide the appropriate DEP District and/or Branch Office with the following information:

1. A description of and cause of noncompliance; and
2. The period of noncompliance, including dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance. The Licensee shall be responsible for any and all damages which may result and may be subject to enforcement action by the Department for penalties or for revocation of this Certification.

All notifications which are made in writing shall additionally be provided to the Siting Coordination Office (SCO) via email to SCO@dep.state.fl.us.

[Rule 62-4.160(8), F.A.C.]

B. The Licensee shall promptly notify the SCO in writing (email acceptable) of any previously submitted information concerning the Certified Facility that is later discovered to be inaccurate.

[Rule 62-4.160(15), F.A.C.]

C. Within 60 days after certification of an associated linear facility the Licensee shall file a notice of the certified route with the Department's Office of General Counsel and the clerk of the circuit court for each county through which the corridor will pass.

The notice shall consist of maps or aerial photographs in the scale of 1:24,000 which clearly show the location of the certified route and shall state that the certification of the corridor will result in the acquisition of rights-of-way within the corridor.

[Section 403.5112, F.S.]

VIII. EMERGENCY CONDITION NOTIFICATION AND RESTORATION **New**

If the Licensee is temporarily unable to comply with any of the conditions of the License due to breakdown of equipment or destruction by hazard of fire, wind, or following an emergency as defined by Sections 252.34(4), (7), (8), or (10), F.S., the Licensee shall immediately notify the Department. Notification shall include pertinent information as to the cause of the problem, and what steps are being taken to correct the problem and to prevent its recurrence, and where applicable, the owner's intent toward reconstruction of destroyed facility(ies). Such notification does not release the Licensee from any liability for failure to comply with Department rules. Any exceedances and/or violations recorded during emergency conditions shall be reported as such, but the Department acknowledges that it intends to use its

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enforcement discretion during this timeframe. This acknowledgement by the Department does not constitute a waiver or variance from any requirements of any federal permit. Relief from any federal agency must be separately sought.

[Rule 62-4.130, F.A.C.]

IX. CONSTRUCTION PRACTICES

A. Local Building Codes

Subject to the conditions set forth herein, this Certification constitutes the sole license of the state and any agency as to the approval of the location of the site and any associated facility and the construction and operation of any Certified Facility. The Licensee is not required to obtain building permits for Certified Facilities. However, this Certification shall not affect in any way the right of any local government to charge appropriate fees or require that construction of installations used by the electric utility that are not an integral part of a generating plant, substation, or control center (such as, office buildings, warehouses, garages, machine shops, and recreational buildings) be in compliance with applicable building construction codes.

[Section 403.511(4), F.S.]

B. Open Burning

Prior to open burning in connection with land clearing, the Licensee shall seek authorization from the Florida Forest Service in accordance with the requirements of Chapters 62-256 and 51-2, F.A.C.

[Chapters 51-2 and 62-256, F.A.C.]

C. Vegetation

For areas located in any Florida Department of Transportation (DOT) ROW, Chapter 3.18 of the 2017 Florida DOT *Utility Accommodation Manual* available on the DOT website (<https://www.fdot.gov/programmanagement/utilities/default.shtm>) shall serve as guidelines for best management practices.

D. Existing Underground Utilities

The Licensee must follow all applicable portions of the Underground Facility Damage Prevention and Safety Act, Chapter 556, F.S. The Licensee shall provide the affected local government and the SCO with copies of valid tickets obtained from Sunshine State One Call of Florida upon request. Tickets shall be available for request until the underground work is completed for the affected area.

[Chapter 556, F.S.]

E. Electric and Magnetic Fields (EMF)

Any associated transmission lines and electrical substations shall comply with the applicable requirements of Chapter 62-814, F.A.C.

[Chapter 62-814, F.A.C.]

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F. Existing Wells

Any existing wells to be impacted in the path of construction of Certified Facilities that will no longer be used shall be abandoned by a licensed well contractor. All abandoned wells shall be filled and sealed in accordance with Rule 62-532.500(5), F.A.C., or with the rules of the authorizing agency, or consistent with these Conditions.

[Rules 62-532.400 and 62-532.500(5), F.A.C.]

G. Abandonment of Existing Septic Tanks

Any existing septic tanks to be impacted by construction and that will no longer be used shall be abandoned in accordance with Rule 64E-6.011, F.A.C., unless these Conditions provide otherwise.

[Chapter 64E-6, F.A.C.]

X. RIGHT OF ENTRY

A. Upon presentation of credentials or other documents as may be required by law, the Licensee shall allow authorized representatives of the Department or other agencies with jurisdiction over a portion of the Certified Facility and any authorized off-site mitigation/compensation or otherwise associated areas:

1. At reasonable times, to enter upon the Certified Facility in order to monitor activities within their respective jurisdictions for purposes of assessing compliance with this certification; or
2. During business hours, to enter the Licensee's premises in which records are required to be kept under this Certification; and to have access to and copy any records required to be kept under this Certification.

B. When requested by the Department, on its own behalf or on behalf of another agency with regulatory jurisdiction, the Licensee shall within 10 working days, or such longer period as may be mutually agreed upon by the Department and the Licensee, furnish any information required by law, which is needed to determine compliance with the Certification.

[Rules 62-4.160(7)(a) and 62-4.160(15), F.A.C.]

XI. DISPUTE RESOLUTION

A. General

If a situation arises in which mutual agreement between either the Department and the Licensee, or, the Department and an agency with substantive regulatory jurisdiction over a matter cannot be reached, the Department can act as a facilitator in an attempt to resolve the issue. If the dispute is not resolved in this initial informal meeting, Licensee may request a second informal meeting in which both Licensee and the agency with substantive regulatory jurisdiction over the matter at issue can participate in an attempt to resolve the issue. If, after such meetings, a mutual agreement cannot be reached between the parties, then the matter shall be referred to the Division of Administrative Hearings (DOAH) for disposition in accordance with the provisions of Chapter 120, F.S. The Licensee or the Department may request DOAH to establish an expedited schedule for the processing of such a dispute. Any filing with DOAH shall state with particularity the specific project and geographic location to which the dispute

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relates. Work unrelated to the specific project and in areas other than the location to which the dispute relates will not be affected by the dispute.

B. Modifications

If written objections are filed regarding a modification, and the objections address only a portion of a requested modification, then the Department shall issue a Final Order approving the portion of the modification to which no objections were filed, unless that portion of the requested modification is substantially related to or necessary to implement the portion to which written objections are filed.

C. Post-Certification Submittals

If it is determined, after assessment of a post-certification submittal, that compliance with the Conditions will not be achieved for a particular portion of a submittal, the Department may make a separate assessment of other portions of the submittal, unless those portions of the submittal are substantially related to or necessary to implement that portion for which it has been determined that compliance with the Conditions will not be achieved.

[Section 120.57, F.S.; Rule 62-17.211, F.A.C.]

XII. SEVERABILITY

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

XIII. ENFORCEMENT

A. The terms, conditions, requirements, limitations, and restrictions set forth in these Conditions are binding and enforceable pursuant to Sections 403.141, 403.161, 403.514, 403.727, and 403.859 through 403.861, F.S., as applicable. Any noncompliance by the Licensee with these Conditions constitutes a violation of Chapter 403, F.S., and is grounds for enforcement action, license termination, license revocation, or license revision. The Licensee is placed on notice that the Department may review this Certification periodically and may initiate enforcement action for any violation of these Conditions.

B. All records, notes, monitoring data, and other information relating to the construction or operation of the Certified Facility which are submitted to the Department may be used by the Department as evidence in any enforcement case involving the Certified Facility and arising under the Florida Statutes or Department rules, subject to the restrictions in Sections 403.111 and 403.73, F.S. During enforcement actions, the retention period for all records will be extended automatically unless otherwise stipulated by the Department. Such evidence shall only be used to the extent it is consistent with the Florida Rules of Civil Procedure and appropriate evidentiary rules.

[Sections 403.121, 403.131, 403.141, 403.151, 403.161, and 403.514, F.S.; Rules 62-4.160(1) and (9), F.A.C.]

XIV. REVOCATION OR SUSPENSION

The Certification shall be final unless revised, revoked or suspended pursuant to law. This Certification may be suspended or revoked pursuant to Sections 403.512, F.S. This

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Certification is valid only for the specific processes and operations identified in the SCA and approved in the Final Order of Certification and indicated in the testimony and exhibits in support of Certification or approved in a subsequent amendment or modification of the Certification. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this approval may constitute grounds for revocation and enforcement action by the Department. Any enforcement action, including suspension and revocation, shall only affect the portion(s) of the Certified Facility that are the cause of such action, and other portions of the Certified Facility shall remain unaffected by such action.

[Sections 403.512, F.S.; Rule 62-4.160(2), F.A.C.]

XV. REGULATORY COMPLIANCE

As provided in Sections 403.087(7) and 403.722(5), F.S., except as specifically provided in the Final Order of Certification, a subsequent modification or amendment, or these Conditions, the issuance of this License does not convey any vested rights or any exclusive privileges. Neither does it authorize any injury to public or private property or any invasion of personal rights, nor any infringement of federal, state, or local laws or regulations. This License is not a waiver of or approval of any other Department license/permit that may be required for other aspects of the Certified Facility which are not addressed in this License. This license does not relieve the Licensee from liability for harm or injury to human health or welfare, animal, or plant life, or public or private property caused by the construction or operation of the Certified Facility, or from penalties therefore.

[Rules 62-4.160(3) and (5), F.A.C.]

XVI. CIVIL AND CRIMINAL LIABILITY

Except to the extent a variance, exception, exemption, or other relief is granted in the Final Order of Certification, in a subsequent modification to these Conditions, or as otherwise provided under Chapter 403, F.S., this Certification does not relieve the Licensee from civil or criminal penalties for noncompliance with any Condition of Certification, applicable rules or regulations of the Department, or any other state statutes or regulations which may apply.

[Sections 403.141, 403.161, 403.511, F.S.]

XVII. USE OF STATE LANDS

A. Except as specifically provided in the Final Order of Certification or these Conditions, the issuance of this License 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 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.

B. If any portion of the Certified Facility is located on sovereign submerged lands, state-owned uplands, or within an aquatic preserve, then the Licensee must comply with the applicable portions of Chapters 18-2, 18-20, and 18-21, F.A.C., and Chapters 253 and 258, F.S., except as specifically provided in the Final Order of Certification or these Conditions. If any portion of the Certified Facility is located on sovereign submerged lands, the Licensee must submit section F of Form 62-330.060(1), *Application for Individual and Conceptual Approval Environmental Resource Permit* (State 404 Program Permit) and *Authorization to Use State-*

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Owned Submerged Lands to the Department prior to construction. If any portion of the Certified Facility is located on state-owned uplands, the Licensee must submit an Upland Easement Application to the Department prior to construction.

C. If a portion of the Certified Facility is located on sovereign submerged lands or state-owned uplands owned by the Board of Trustees of the Internal Improvement Trust Fund, pursuant to Article X, Section 11 of the Florida Constitution, then the proposed activity on such lands requires a proprietary authorization. Under such circumstances, the proposed activity is not exempt from the need to obtain a proprietary authorization. Unless otherwise provided in the Final Order of Certification or these Conditions, the Department has the responsibility to review and take action on requests for proprietary authorization in accordance with Rule 18-2.018 or 18-21.0051, F.A.C.

D. The Licensee is hereby advised that Florida law states: “A person may not commence any excavation, construction, or other activity involving the use of sovereign or other lands of the state, the title to which is vested in the Board of Trustees of the Internal Improvement Trust Fund under this chapter, until the person has received the required lease, license, easement, or other form of consent authorizing the proposed use.” Pursuant to Chapter 18-14, F.A.C., if such work is done without consent, or if a person otherwise damages state land or products of state land, the Board of Trustees may levy administrative fines of up to \$10,000 per offense.

E. The terms, conditions, and provisions of any required lease or easement issued by the State shall be met. Any construction activity associated with the Certified Facility shall not commence on sovereign submerged lands or state-owned uplands, title to which is held by the Board of Trustees of the Internal Improvement Trust Fund, until all required lease or easement documents have been executed.

[Chapters 253 and 258, F.S.; Chapters 18-2, 18-14, 18-21, 62-340, and Rules 62-330.060(1) and 62-4.160(4), F.A.C.]

XVIII. PROCEDURAL RIGHTS

Except as specified in Chapter 403, F.S., or Chapter 62-17, F.A.C., no term or Condition of Certification shall be interpreted to preclude the post-certification exercise by any party of whatever procedural rights it may have under Chapter 120, F.S., including those related to rule-making proceedings.

[Sections 403.511(5)(c), F.S.]

XIX. AGENCY ADDRESSES FOR POST-CERTIFICATION SUBMITTALS AND NOTICES

Where a Condition requires post-certification submittals and/or notices to be sent to a specific agency, the following agency addresses shall be used unless the Conditions specify otherwise or unless the Licensee and the Department are notified in writing of an agency’s change in address for such submittals and notices:

Florida Department of Environmental Protection
Siting Coordination Office, MS 5500
2600 Blair Stone Road
Tallahassee, Florida 32399-3000

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SCO@dep.state.fl.us

Florida Department of Environmental Protection
Northeast District Office
8800 Baymeadows Way West, Suite 100
Jacksonville, Florida 32256

Florida Department of Economic Opportunity
Bureau of Community Planning and Growth
107 East Madison Street
Tallahassee, Florida 32399-2100

Florida Fish & Wildlife Conservation Commission
Conservation Planning Services
620 South Meridian Street, MS 5B5
Tallahassee, Florida 32399-1600
FWCConservationPlanningServices@myfwc.com

Florida Department of Transportation
District Administration
605 Suwannee Street
Tallahassee, Florida 32399-0450

Florida Department of Agriculture and Consumer Services
Office of General Counsel
407 South Calhoun Street
Tallahassee, Florida 32399-0800

Suwannee River Water Management District
Office of General Counsel
9225 Co Rd 49
Live Oak, Florida 32060

Florida Department of State
Division of Historical Resources
500 South Bronough Street
Tallahassee, Florida 32399-0250

Alachua County
County Attorney
12 SE 1st Street
Gainesville, Florida 32601

[Section 403.511, F.S.]

XX. PROFESSIONAL CERTIFICATION

To ensure protection of public health, safety, and welfare, any construction, modification, or operation of an installation which may be a source of pollution, or of a public drinking water supply, shall be in accordance with sound professional engineering practices pursuant to Chapter 471, F.S.; and all final geological papers or documents involving the practice of the profession of geology shall be in accordance with sound professional geological practices pursuant to Chapter 492, F.S. Where required by Chapter 471 or 492, F.S., applicable portions of amendment requests, petitions for modifications, post certification submittals, and supporting documents which are submitted to the Department for public record shall be signed and sealed by the professional(s) who prepared or approved them.

[Rule 62-4.050, F.A.C.]

XXI. PROCEDURES FOR POST-CERTIFICATION SUBMITTALS

A. Purpose of Submittals

Conditions which provide for the post-certification submittal of information to DEP or other agencies by the Licensee are for the purpose of facilitating the agencies' monitoring of the effects arising from the location of the Certified Facility and the construction and maintenance of the Certified Facility. This monitoring is for DEP to assure, in consultation with other agencies with applicable regulatory jurisdiction, continued compliance with these Conditions, without further agency action. A submittal of information or determination of compliance pursuant to a post-certification submittal under this Condition does not provide a point of entry for a third party.

B. Filings

All post-certification submittals of information by Licensee are to be filed with the NED Office or other agency that requires the submittal pursuant to these Conditions. The SCO shall be copied on all post-certification submittals in electronic .pdf format only, unless otherwise requested, via email to SCO@dep.state.fl.us. Each submittal shall clearly identify the Certified Facility name, PA#, and the Condition number(s) (i.e. Section X, Condition XX.y.(z)) requiring the submittal. As required by Section 403.5113(2), F.S., each post-certification submittal will be reviewed by each agency with regulatory authority over the matters addressed in the submittal on an expedited and priority basis.

[Section 403.5113, F.S.; Rule 62-17.191(3), F.A.C.]

C. Completeness

DEP shall review each post-certification submittal for completeness. This review may include consultation with the other agency(ies) receiving the post-certification submittal with regulatory jurisdiction over the matter addressed in the submittal. DEP's finding of completeness shall specify the area of the Certified Facility affected and shall not delay further processing of the post-certification submittal for non-affected areas.

If any portion of a post-certification submittal is found to be incomplete, the Licensee shall be so notified. Failure to issue such a notice within 30 days after filing of the submittal shall constitute a finding of completeness. Subsequent findings of incompleteness, if any, shall address only the newly filed information.

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[Rule 62-17.191(1)(c)2., F.A.C.]

D. Interagency Meetings

DEP may conduct an interagency meeting with other agencies that received a post-certification submittal. The purpose of such an interagency meeting shall be for the agency(ies) with regulatory jurisdiction over the matters addressed in the post-certification submittal to discuss whether compliance with these Conditions has been provided. Failure of DEP to conduct an interagency meeting or failure of any agency to attend an interagency meeting shall not be grounds for DEP to withhold a determination of compliance with these Conditions nor to delay the timeframes for review established by these Conditions. At DEP's request, a field inspection shall be conducted with the Licensee and the agency representative in conjunction with the interagency meeting.

E. Determination of Compliance

DEP shall give written notification within 90 days, to the Licensee and the other agency(ies) to which the post-certification information was submitted of DEP's determination of whether there is demonstration of compliance with these Conditions. If it is determined that compliance with the Conditions has not been provided, the Licensee shall be notified with particularity of the deficiencies and possible corrective measures suggested. Failure to notify Licensee in writing within 90 days of receipt of a complete post-certification submittal shall constitute a determination of compliance. A post-certification compliance review may be the basis for initiating modifications to the relevant Condition or to other related Conditions.

F. Commencement of Construction

If DEP does not object within the time period specified in paragraph E., above, Licensee may begin construction pursuant to the terms of these Conditions and the subsequently submitted construction details.

G. Revisions to Design Previously Reviewed for Compliance

If revisions to site-specific designs occur after submittal, the Licensee shall submit revised plans prior to construction for review in accordance with the post-certification process specified in this Condition.

[Sections 120.569, 373.413, 373.416, and 403.511, F.S.; Rules 62-17.191 and 62-17.205, F.A.C.]

XXII. POST-CERTIFICATION SUBMITTAL REQUIREMENTS SUMMARY

Within 90 days after certification, and within 90 days after any subsequent modification or certification, the Licensee shall provide the SCO a complete summary of those post-certification submittals that are identified in these Conditions when due-dates for the information required of the Licensee have been identified. A summary shall be provided as a separate document for each transmission line, if any. Such submittals shall include, but are not limited to, monitoring reports, management plans, wildlife surveys, etc. The summary shall be provided to the SCO, in a sortable spreadsheet, electronically, in the format shown below or equivalent. For subsequent modifications and certifications, a Post-Certification Submittal Requirements Summary shall be required for only those resulting in new or altered post-certification requirements.

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Condition Number	Requirement and Timeframe	Due Date	Name of Agency or Agency Subunit to whom the submittal is required to be provided

[Section 403.5113, F.S.; Rule 62-17.191(3), F.A.C.]

XXIII. POST-CERTIFICATION AMENDMENTS

If, subsequent to certification, the Licensee proposes any material change to the SCA and revisions or amendments thereto, as certified, the Licensee shall submit a written request for amendment and a description of the proposed change to the SCA to the Department. Within 30 days after the receipt of a complete request for an amendment, the Department shall determine whether the proposed change to the SCA requires a modification to the Conditions.

A. If the Department concludes that the change would not require a modification to the Conditions, the Department shall provide written notification of the approval of the proposed amendment to the Licensee, all agencies, and all other parties to the Certification.

B. If the Department concludes that the change would require a modification to the Conditions, the Department shall provide written notification to the Licensee that the proposed change to the SCA requires a request for modification pursuant to Section 403.516, F.S.

[Section 403.5113, F.S.]

XXIV. MODIFICATION OF CERTIFICATION

A. Pursuant to Sections 403.516(1)(a), F.S., and Rule 62-17.211, F.A.C., the Siting Board hereby delegates the authority to the Department to modify any Condition which would not otherwise require approval by the Siting Board, after notice and receipt of no objection by a party to the certification within 45 days after notice by mail to the party's last address of record, and if no other person whose substantial interests will be affected by the modification objects in writing within 30 days of public notice.

B. The Department may modify Conditions, in accordance with Section 403.516(1)(b), F.S., which are inconsistent with the terms of any subsequent and separately DEP-issued permits, permit amendments, permit modifications, or permit renewals under a federally delegated or federally approved permit program. Such modification may be made without further notice if the matter has been previously noticed under the requirements for any federally delegated or approved permit program.

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C. In accordance with Section 403.516(1)(c), F.S., the Licensee may file a petition for modification with the Department, or the Department may initiate the modification upon its own initiative.

D. Any anticipated facility expansions, production increases, or process modifications which may result in new, different or increased discharge or emission of pollutants, change in fuel, or expansion in generating capacity must be reported by submission of an appropriate request for an amendment, modification, or certification.

E. Any anticipated facility change that results in a change to the Site Delineation, attached hereto as part of Attachment A (Maps), may be considered a modification, and must be accompanied by a map or aerial photo showing the proposed new boundaries of the site. Within 120 days after completion of construction of the approved facility change, the Licensee shall provide the information required by Section A. General Conditions, Condition I. Scope, paragraphs D., E., F., or G., as appropriate.

[Section 403.516, F.S.; Rule 62-17.211, F.A.C.]

XXV. COASTAL ZONE CONSISTENCY

Pursuant to Sections 373.428 and 403.511, F.S., certification of the Facility constitutes the State's concurrence that the licensed activity or use is consistent with the federally approved program under the Florida Coastal Management Act.

[Sections 373.428, 380.23, and 403.511(7), F.S.]

XXVI. WATER QUALITY CERTIFICATION

Pursuant to the Operating Agreement between the Department, Water Management Districts and U.S. Army Corps of Engineers, a written Final Order granting 'certification' constitutes certification by the Department that the project activities comply with applicable state water quality standards.

[2012 Operating Agreement, Jacksonville District USACOE, DEP and Water Management Districts, Section II.A.1.(f)]

XXVII. TRANSFER OF CERTIFICATION

A. This Certification is transferable in whole or in part, upon Department approval, to an entity determined to be able to comply with these Conditions. A transfer of certification of all or part of the Certified Facility may be initiated by the Licensee's filing of a Notice of Intent to Transfer Certification with the Department's SCO. The Notice of Intent shall: identify the intended new certification holder or Licensee; identify current, and new entity responsible for compliance with the certification; and include a written agreement from the intended Licensee/Transferee to abide by all Conditions of Certification, as well as, applicable laws and regulations. Upon receiving a complete notice of intent, the transfer shall be approved by the Department unless the Department objects to the transfer on the grounds that the new Licensee will be unable to comply with the Conditions of Certification, specifies in writing its reasons for its objections, and gives notice and an opportunity to petition and administrative hearing pursuant to Section 120.57, F.S. Upon approval, the Department will initiate a modification to the Conditions to reflect the change in ownership in accordance with Rule 62-17.211, F.A.C.

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B. In the event of the dissolution of the Licensee, the Department may transfer certification to successor entities which are determined to be competent to construct, operate, and maintain the Certified Facility in accordance with the Conditions of Certification and which are proper applicants as defined by the PPSA. Upon determination that such a successor entity complies with the requirements for transfer of certification, the Department will initiate a modification to the Conditions to reflect the change in ownership in accordance with Rule 62-17.211, F.A.C.

[Chapter 120, F.S.; Rule 62-17.211, F.A.C.]

XXVIII. FINANCIAL RESPONSIBILITY

The Department may require the Licensee to submit proof of financial responsibility and may require the Licensee to post an appropriate bond in those instances where the Department is authorized to require proof of financial responsibility or a bond pursuant to a law or Department rule that is applicable to the Certified Facility.

[Rule 62-701.630, F.A.C.]

XXIX. LABORATORIES AND QUALITY ASSURANCE

Chemical, physical, biological, microbiological, and toxicological data collected as a requirement of these Conditions must be reliable and collected and analyzed by scientifically sound procedures. Unless otherwise specified in these Conditions, the Licensee shall adhere to the minimum field and laboratory quality assurance, methodological and reporting requirements of the Department as set forth in Chapter 62-160, F.A.C.

[Chapter 62-160, F.A.C.]

XXX. ENVIRONMENTAL RESOURCES

A. General

1. Submittals for Construction Activities

a. Prior to the commencement of construction of new facilities and/or associated facilities the Licensee shall provide to the appropriate DEP District for review, all information necessary for a complete *Application for Individual and Conceptual Approval Environmental Resource Permit* (State 404 Program Permit), DEP Form 62-330.060(1), F.A.C. A copy of the submittal shall also be provided to the SCO.

This form may: a) be submitted concurrently with a SCA; b) be submitted as part of an amendment request or a petition for modification; or c) be submitted as a post-certification submittal following approval of a Project through certification, modification, or amendment. Such Environmental Resource Permit (ERP) submittals, once received, shall be reviewed in accordance with the non-procedural standards and criteria for issuance of an ERP, including all the provisions related to reduction and elimination of impacts, conditions for issuance, additional conditions for issuance, and mitigation contained in Chapter Rule 62-330, F.A.C., as applicable, unless otherwise stated in these Conditions. While the information is provided for review via submittal of the ERP form, pursuant to Section 403.511, F.S., issuance of a separate ERP is not required for Certified Facilities.

Those forms submitted as part of a SCA, an amendment, or modification, shall be processed concurrently with, and under the respective certification,

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amendment, or modification procedures. Those forms submitted as a post-certification submittal (after certification, modification, or amendment and prior to construction) shall be processed in accordance with Section A. General Conditions, Condition XXI., Procedures for Post-Certification Submittals. Post-certification submittal information may be submitted by discrete portions of the Certified Facilities for a determination of compliance with these Conditions of Certification.

No construction shall commence on a Project feature, or in a particular segment for a linear facility, until the Department has determined that there is a demonstration of compliance with these Conditions. For post-certification submittal reviews, the Department's determination is governed by Section A. General Conditions, Condition XXI., Procedures for Post-Certification Submittals.

b. Concurrent with submittal of the DEP form required in subparagraph A.1.a., above, the Licensee shall submit, as applicable, a survey of wetland and surface water areas as delineated in accordance with Chapter 62-340, F.A.C., and verified by appropriate agency staff for Department compliance review. Available DEP-approved wetland and surface water delineations within the boundaries of a certified site or a portion thereof may be used and reproduced for this delineation submittal and verification.

[Section 373.416, F.S.; Chapters 62-330 and 62-340, F.A.C.]

2. Construction, operation, and maintenance of the proposed Project (including any access roads and structures constructed within wetlands and other surface waters, and/or associated facilities) shall satisfy any applicable non-procedural requirements in the Department rules.

[Section 373.414(1)(a), F.S.]

3. Any delineation of the extent of a wetland or other surface water submitted as part of the DEP ERP Application Form required by subparagraph A.1.a., above, including plans or other supporting documentation, shall not be considered binding on the Department unless a specific condition of this Certification or a formal wetlands jurisdictional determination under Section 373.421(2), F.S., provides otherwise.

[Sections 373.421, 403.504, F.S.]

B. Surface Water Management Systems

1. Information regarding surface water management systems (SWMS) will be reviewed for consistency with the applicable non-procedural requirements under Part IV of Chapter 373, F.S., following submittal of Form 62-330.060(1) F.A.C., to the appropriate DEP District.

2. All construction, operation, and maintenance of the SWMS(s) for the Certified Facilities shall be as set forth in the plans, specifications, and performance criteria contained in the SCA and other materials presented during the certification proceeding, post-certification submittals, and as otherwise approved. If specific requirements are necessary for construction, operation, and/or maintenance of an approved SWMS, those requirements shall be incorporated into a SWMS Plan for that system and included in Attachment B (Surface Water Management System Plans). Any alteration or modification to the SWMS Plan or the SWMS as certified requires prior approval from the Department.

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3. To allow for stabilization of all disturbed areas, prior to construction, during construction of the SWMS, and for a period of time after construction of the SWMS, the Licensee shall implement and maintain erosion and sediment control best management practices, such as silt fences, erosion control blankets, mulch, sediment traps, polyacrylamide (PAM), temporary grass seed, permanent sod, and floating turbidity screens to retain sediment on-site and to prevent violations of state water quality standards. These devices shall be installed, used, and maintained at all locations where the possibility exists of transferring suspended solids into the receiving waterbody due to the licensed work, and shall remain in place at all locations until construction in that location is completed and soils are permanently stabilized. All best management practices shall be in accordance with the guidelines and specifications described in the *State of Florida Erosion and Sediment Control Designer and Reviewer Manual* (Florida Department of Transportation and Florida Department of Environmental Protection, by HydroDynamics Incorporated in cooperation with Stormwater Management Academy, June 2007) unless a project-specific erosion and sediment control plan is approved as part of this License. If project-specific Conditions require additional measures during any phase of construction or operation to prevent erosion or control sediments beyond those specified in the approved erosion and sediment control plan, the Licensee shall implement additional best management practices as necessary, in accordance with the guidelines and specifications in the *State of Florida Erosion and Sediment Control Designer and Reviewer Manual*. The Licensee shall correct any erosion or shoaling that causes adverse impacts to the water resources as soon as feasible. Once project construction is complete in an area, including the re-stabilization of all side slopes, embankments, and other disturbed areas, and before conversion to the operation and maintenance phase, all silt screens and fences, temporary baffles, and other materials that are no longer required for erosion and sediment control shall be removed.

4. The Licensee shall complete construction of all aspects of the SWMS described in the ERP Application Form, submitted as part of a post-certification submittal, amendment, modification, or SCA including water quality treatment features, and discharge control facilities prior to use of the portion of the Certified Facility being served by the SWMS.

5. At least 48 hours prior to the commencement of construction of any new SWMS for any part of a Certified Facility authorized by this certification, the Licensee shall submit to the Department a written notification of commencement using an “Environmental Resource Permit Construction Commencement Notice” (DEP Form 62-330.350(1), F.A.C.), indicating the actual start date and the expected completion date.

6. Each phase or independent portion of the approved system must be completed in accordance with the submitted DEP Form prior to the operation of the portion of the Certified Facility being served by that portion or phase of the system.

7. Within 30 days, or such other date as agreed to by DEP and the Licensee, after completion of construction of any new portions of the SWMS, the Licensee shall submit to the appropriate DEP District, and copy the SCO, a written statement of completion and certification by a registered professional engineer (P.E.), or other appropriate registered professional, as authorized by law, utilizing the required “As-Built Certification and Request for Conversion to Operation Phase” (DEP Form 62-330.310(1), F.A.C.). Additionally, if deviations from the approved drawings are discovered, the As-Built Certification must be accompanied by a copy of the approved drawings with deviations noted.

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8. Any substantial deviation from the approved drawings, exhibits, specifications, or Conditions, may constitute grounds for revocation or enforcement action by the Department.

9. The operation phase of any new SWMS approved by the Department shall not become effective until the Licensee has complied with the requirements of the conditions herein, the Department determines the system to be in compliance with the approved plans, and the entity approved by the Department accepts responsibility for operation and maintenance of the system.

10. The DEP District must be notified in advance of any proposed construction dewatering. If the dewatering activity is likely to result in off-site discharge or sediment transport into wetlands or surface waters, a written dewatering plan must be submitted to and approved by the Department prior to the dewatering event.

[Section 373.414, F.S.; Chapters 62-302, 62-330, and Rule 62-4.242, F.A.C.]

C. Wetland and Other Surface Water Impacts

1. All Certified Facilities shall be constructed in a manner which will eliminate or reduce adverse impacts to on-site and/or adjacent wetlands or other surface waters to the extent practicable or otherwise comply with substantive criteria for elimination or reduction. When impacts to wetlands will occur as a result of a future amendment, modification, or certification, and cannot be practicably eliminated or reduced, the Licensee may propose, and the Department or Board shall consider, mitigation to offset otherwise unpermittable activities under the ERP review process pursuant to subparagraph A.1., above.

2. Proposed mitigation plans submitted with the DEP ERP Application forms required in subparagraph A.1.a., above, or submitted and approved as part of an amendment, modification, or certification, and that are deemed acceptable by DEP, shall include applicable construction conditions, success criteria, monitoring plans, and remedial actions (if applicable), and shall be incorporated into these Conditions as Attachment C (Wetland Mitigation Plans).

[Sections 373.413, 373.414, 373.4145, 403.511, and 403.814(6), F.S.; Chapters 62-312, 62-330, 62-340, 62-342, and 62-345, F.A.C.]

XXXI. THIRD PARTY IMPACTS

The Licensee is responsible for maintaining compliance with these Conditions even when third party activities authorized by the Licensee occur in or on the certified site.

[Sections 403.506(1), F.S.]

XXXII. FACILITY OPERATION

The Licensee shall properly operate and maintain the Certified Facility and systems of treatment and control (and related appurtenances) that are installed and used by the Licensee to achieve compliance with these Conditions, as required by the Final Order of Certification, these Conditions, or a post-certification amendment or modification. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the Final Order of Certification, these Conditions, or a post-certification amendment or modification. Further, the Licensee shall take all reasonable steps to minimize any adverse impact resulting from noncompliance with any limitation specified in this

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certification, including such accelerated or additional monitoring as necessary to determine the nature and impact of the noncomplying event.

[Rule 62-4.160(6), F.A.C.]

XXXIII. RECORDS MAINTAINED AT THE FACILITY

A. These Conditions or a copy thereof shall be kept at the site.

B. The Licensee shall hold at the site, or other location designated by these Conditions, records of all monitoring information, including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation required by these Conditions, copies of all reports required by these Conditions, and records of all data used to complete the SCA for this approval. These materials shall be retained at least 3 years from the date of the sample, measurement, report, or application unless otherwise specified by Department rule.

C. Records of monitoring information shall include:

1. the date, exact place, and time of sampling or measurements;
2. the person responsible for performing the sampling or measurements;
3. the dates analyses were performed;
4. the person responsible for performing the analyses;
5. the analytical techniques or methods used; and
6. the results of such analyses.

[Rules 62-4.160(12) and (14)(b), F.A.C.]

XXXIV. WATER DISCHARGES

A. Discharges

1. Except as otherwise authorized by a permit issued by the Department under a federally approved or delegated program or to the extent a variance, exception, exemption or other relief is granted or authorized by these Conditions, the Licensee shall not discharge to surface or ground waters of the State, wastes in concentrations, which, alone or in combinations with other substances or components of discharges (whether thermal or non-thermal), are carcinogenic, mutagenic, or teratogenic to human beings (unless specific criteria are established for such components in Rule 62-520.400, F.A.C.) or are acutely toxic to indigenous species of significance to the aquatic community within surface waters affected by the ground water at the point of contact with surface waters.

2. Except as otherwise authorized by a permit issued by the Department under a federally approved or delegated program or to the extent a variance, exception, exemption, or other relief is granted or authorized by these Conditions, all discharges and activities must be conducted so as to not cause a violation of the water quality standards set forth in Chapters 62-4, 62-302, 62-520, 62-550, and 62-620, F.A.C., including the provisions of Rules 62-4.243, 62-4.244, and 62-4.246, F.A.C., the antidegradation provisions of Rules 62-4.242(1)(a), (1)(b), and 62-302.300, F.A.C., and any special standards for Outstanding Florida Waters and Outstanding National Resource Waters set forth in Rules 62-4.242(2) and (3), F.A.C.

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3. Except as otherwise authorized by a permit issued by the Department under a federally approved or delegated program or to the extent a variance, exception, exemption, or other relief is granted or authorized by these Conditions, all dewatering discharges must be in compliance with Rule 62-621.300, F.A.C.

[Chapters 62-4, 62-302, 62-520, 62-550, 62-620, and 62-621, F.A.C.]

B. Wastewater Incident Reporting

1. The Licensee shall report to the appropriate district office any noncompliance with industrial wastewater requirements which may endanger health or the environment. Any information shall be provided orally within 24 hours from the time the Licensee becomes aware of the circumstances.

The Licensee shall provide the following information, to the extent known, to the applicable DEP District Office in the 24-hr oral report:

- a. Any unanticipated bypass which causes any reclaimed water or effluent to exceed any permit limitation or results in an unpermitted discharge,
- b. Any upset which causes any reclaimed water or the effluent to exceed any limitation in the permit,
- c. Violation of a maximum daily discharge limitation for any of the pollutants specifically listed in the permit for such notice, and
- d. Any unauthorized discharge to surface or ground waters.

A written submission shall also be provided within five days of the time the Licensee 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.

2. For unauthorized releases or spills of treated or untreated wastewater reported 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 Department by calling the STATE WATCH OFFICE (800) 320-0519, as soon as practical, but no later than 24 hours from the time the Licensee becomes aware of the discharge. The Licensee, 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 Licensee 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;

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- 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.

3. If the oral report has been received within 24 hours, the noncompliance has been corrected, and the noncompliance did not endanger health or the environment, the Department shall waive the written report.

[Chapter 403, F.S.; Rule 62-620.610(20), F.A.C.]

XXXV. SOLID AND HAZARDOUS WASTE

A. Solid Waste

The Licensee shall comply with all applicable non-procedural provisions of Chapter 62-701, F.A.C., for any solid waste generated within the Certified Facility during construction, operation, maintenance, and closure. This facility submitted and received an exemption in accordance with the provisions of Rule 62-701.220(4), F.A.C.

[Chapter 62-701, F.A.C.]

B. Hazardous Waste, Used Oil, Petroleum Contact Water, and Spent Mercury

The Licensee shall comply with all applicable non-procedural provisions of Chapter 62-730, F.A.C., for any hazardous waste generated within the Certified Facility. An EPA identification number must be obtained before beginning hazardous waste activities unless the facility is a Conditionally Exempt Small Quantity Generators (CESQGs). CESQGs generate no more than 100 kg (220 lbs) of hazardous waste in any month.

The Licensee shall comply with all applicable non-procedural provisions of Chapter 62-710, F.A.C., for any used oil and used oil filters generated within the Certified Facility.

The Licensee shall comply with all applicable non-procedural provisions of Chapter 62-737, F.A.C., for any spent mercury-containing lamps and devices generated within the Certified Facility.

The Licensee shall comply with all applicable provisions of Chapter 62-740, F.A.C., for any petroleum contact water located within the Certified Facility.

[Chapters 62-710, 62-730, 62-737, and 62-740, F.A.C.]

C. Hazardous Substance Release Notification

1. Any owner or operator of a facility who has knowledge of any release of a hazardous substance from a Certified Facility in a quantity equal to or exceeding the reportable quantity in any 24-hour period shall notify the Department by calling the STATE WATCH OFFICE, (800) 320-0519, as soon as possible, but not later than one working day of discovery of the release.

SECTION A: GENERAL CONDITIONS

2. Releases of mixtures and solutions are subject to these notification requirements only where a component hazardous substance of the mixture or solution is released in a quantity equal to or greater than its reportable quantity.

3. Notification of the release of a reportable quantity of solid particles of antimony, arsenic, beryllium, cadmium, chromium, copper, lead, nickel, selenium, silver, thallium, or zinc is not required if the mean diameter of the particles released is larger than 100 micrometers (0.004 inches).

[Chapter 62-150, F.A.C.]

D. Contaminated Site Cleanup

The Licensee shall comply with all applicable non-procedural provisions of Chapter 62-780, F.A.C., for any violations of relevant provisions of Chapter 376 or 403, F.S., that result in legal responsibility for site rehabilitation pursuant to those chapters. This responsibility for site rehabilitation does not affect any activity or discharge permitted or exempted pursuant to Chapter 376 or 403, F.S., or rules promulgated pursuant to Chapter 376 or 403, F.S.

[Chapter 62-780, F.A.C.]

XXXVI. STORAGE TANK SYSTEMS

Registration, construction, installation, operation, maintenance, repair, closure, and disposal of storage tank systems within a Certified Site that store regulated substances shall be in accordance with Chapters 62-761 and 62-762, F.A.C., in order to minimize the occurrence and environmental risks of releases and discharges. Mineral acid storage tank systems are subject only to Rule 62-762.891, F.A.C.

A. Incident Notification Requirements.

Notification of any condition or situation indicating that a release or discharge may have occurred from a storage tank system or system component shall be made to the County in writing or electronic format on Form 62-761.900(6), Incident Notification Form (INF), within 72 hours of discovery or before the close of the County's next business day.

B. Discharge Reporting Requirements

Notification of the discovery of a discharge of a regulated substance shall be made to the county in writing or electronic format on Form 62-761.900(1), Discharge Report Form (DRF) within 24 hours of the discovery or before the close of the County's next business day, unless the discovery is a non-petroleum, de minimis discharge referenced in Rule 62-780.550, F.A.C., or a petroleum or petroleum product de minimis discharge referenced in Rule 62-780.580(1), F.A.C. A de minimis discharge is exempt from the notification requirements as long as discharge is removed and properly treated or properly disposed, or otherwise remediated pursuant to the applicable provisions of 62-780, F.A.C.

C. Discharge Cleanup

If a discharge of a regulated substance occurs at a certified facility, actions shall be taken immediately to contain, remove, and abate the discharge under all applicable Department rules. The Licensee is advised that other federal, state, or local requirements may apply to these activities. If the contamination present is subject to the provisions of Chapter 62-

SECTION A: GENERAL CONDITIONS

780, F.A.C., corrective action, including free product recovery, shall be performed in accordance with that Chapter.

D. Out of Service and Closure Requirements

Storage tank systems shall be taken out-of-service and/or closed as necessary in accordance with Rules 62-761.800 and 62-762.801, F.A.C., as applicable.

[Chapters 62-761, 62-762, and 62-780, F.A.C.]

SECTION B: SPECIFIC CONDITIONS

SECTION B. SPECIFIC CONDITIONS

I. DEPARTMENT OF ENVIRONMENTAL PROTECTION

A. *Solid Waste*

Solid Wastes resulting from construction or operation shall be disposed of in accordance with the applicable regulations of Chapter 62-701, FAC. Rule 62-701.220(4), F.A.C. applies to the on-site solid waste landfill.

Plant solid waste generated during operation, exclusive of ash shall be disposed of in accordance with Chapter 62-701, F.A.C.

B. *Groundwater Monitoring*

1. Groundwater monitoring is required around all Industrial Wastewater (IW) sites, as described in the Industrial Wastewater Groundwater Monitoring Requirements (IWGWMR) incorporated into these Conditions as Attachment D. The Licensee shall install and maintain a groundwater monitoring well network to monitor the water quality of the aquifer around each site, in accordance with applicable provisions of Chapters 62-520, 62-660, F.A.C., Attachment D, and the approved Groundwater Monitoring Plan (GWMP) incorporated herein as Attachment E.

2. During the period of operation authorized by this Site Certification, the Licensee shall sample groundwater at the monitor wells for the parameters and frequency identified in Attachment D in accordance with the conditions of certification, Chapters 62-520, 62-660, F.A.C., and Attachment D.

3. Any revisions to the GWMP shall meet the applicable requirements of Rules 62-520.600 and 62-660, F.A.C., and be reviewed by the NED for approval through the post-certification process outlined in Condition XX, Procedures for Post-Certification Submittals, unless it is determined by the Department that the requested revision requires an amendment to the SCA, or a modification to these Conditions. The Licensee shall submit proposed revisions to the GWMP to the NED office for review and approval at DEP_NED@floridadep.gov and copy SCO@floridadep.gov. At least once every five years, the Licensee shall evaluate the GWMP and submit an evaluation report to the NED including any proposed revisions, or a recommendation of no revisions. Revisions will be incorporated into Attachment D as necessary based on approved and updated GWMPs.

4. For any approved new or revised industrial wastewater sites, the Licensee shall submit a revised GWMP to the NED office at DEP_NED@floridadep.gov and copy SCO@floridadep.gov for review at least 90 days prior to operation of a new or revised site or such other date as the Licensee and DEP agree. The revised GWMP shall be developed in accordance with the applicable requirements of Rules 62-520.600 and 62-600, F.A.C., and Attachment D will be revised to include any approved revisions.

5. The IWGWMR shall be revised to comply with the provisions contained in Rules 62-620.325, F.A.C., if applicable. At a minimum, projects which involve any one of the following shall be reviewed for a determination of whether a modification to these Conditions is required:

- a. new major sources of wastewater;

SECTION B: SPECIFIC CONDITIONS

b. new wastewater treatment facilities or improvements made to existing wastewater treatment facilities, including those which provide for a new or expanded land application system;

c. pollutants not addressed in the IWGWMR or these Conditions resulting from a change in the solid waste disposal facility or the industrial wastewater facility; and

d. other projects that cause or may cause changes to the quantity and/or quality of discharges to groundwater as a result of industrial wastewater treatment.

Modifications shall be processed in accordance with Section 403.516(1)(c), F.S., and Rule 62-17.211, F.A.C., as applicable

C. Leachate Control

1. The applicant shall develop a program of leachate control for the coal pile, brine concentrator waste pond and all wastewater holding ponds, consisting of impermeable barriers or monitoring/collection wells to prevent contamination of groundwater.

2. Leachate/runoff from the Secure Landfill Collection Pond may be discharged to the Kanapaha Water Reclamation Facility or other permitted facility provided that the discharge is in accordance with the pretreatment requirements of 40 CFR Part 423 and that the appropriate permits have been obtained for the discharge by the permitted facility.

D. Sanitary Wastes

Disposal of sanitary wastes from construction toilet facilities must be in accordance with applicable regulations of the Department and appropriate local health agency.

E. Environmental Control Program

An environmental control program shall be established under the supervision of a qualified person to assure that all construction activities conform to good environmental practices and the applicable conditions of certification.

If unexpected harmful effects or evidence of irreversible environmental damage are detected during construction, the licensee shall notify the appropriate district office of the Department by telephone during the working day that the effect or damage occurs and shall confirm this in writing within seventy-two (72) hours of becoming aware of such conditions, and shall provide in writing an analysis of the problem and a plan to eliminate or significantly reduce the harmful effects or damage.

F. Transformer and Electric Switching Gear

The foundations for transformers, capacitors, and switching gear necessary for Deerhaven Unit 2 to connect to the existing distribution system shall be constructed in such a manner to allow collection and recovery of any spills or leakage of oily, toxic, or hazardous substances.

G. Construction in Waters of the State

All construction or channel improvement in the waters of the state shall be limited to flow control improvements to the outlet of the cypress dome utilized as a thermal mixing zone or at the outlet of stormwater runoff and ash disposal ponds and shall be done in a

SECTION B: SPECIFIC CONDITIONS

manner such that excessive silting or turbidity in excess of 50 Jackson Turbidity Units above natural background will not occur. Ash disposal areas, coal piles, the brine concentrator waste pond and all wastewater treatment or holding ponds shall be isolated from waters of the state during construction. Waters isolated in such areas shall not be considered waters of the state. No other construction or activities or dredging and filling activities in or on waters of the State are authorized by this certification.

H. Brine Concentrator

The Licensee shall maintain on hand a sufficient inventory of spare parts for the brine concentrator to enable the Licensee to return the malfunctioning equipment to proper operation as expeditiously as possible. During any malfunction of the brine concentrator there shall be no wastewater or cooling tower blowdown discharged to any tributary of Turkey Creek. The Licensee shall develop a contingency for the plant operation during any interval that the brine concentrator is malfunctioning. The contingency plan shall be submitted to all parties to the proceedings.

II. DEPARTMENT OF TRANSPORTATION

A. Request for Restricted Areas

No requests for restricted areas are necessary.

B. Post-Certification Review Items

1. Access Management to the State Highway System

Any access to the State Highway System is subject to the requirements of Rule Chapters 14-96, State Highway System Connection Permits and 14-97, Access Management Classification System and Standards, F.A.C., which may require a right-of-way access permit from FDOT.

2. Overweight or Over-Dimensional Loads

Operation of overweight or over-dimensional loads by the Licensee on State transportation facilities during construction and operation of the utility facility will be subject to safety and permitting requirements as defined in Chapter 316, F.S., and Rule Chapter 14-26, Safety Regulations and Permit Fees for Overweight and Over-Dimensional Vehicles, F.A.C.

3. Use of State of Florida Rights-of-Way or Transportation Facilities

All usage and crossing of State of Florida rights-of-way or transportation facilities will be subject to Rule Chapter 14-46, Utilities Installation or Adjustment, F.A.C.; Florida Department of Transportation's Utility Accommodation Manual (Document 710-020-001); Design Standards for Design, Construction, Maintenance, and Utility Operation on the State Highway System; Standard Specifications for Road and Bridge Construction; and pertinent sections of the Florida Department of Transportation's Project Development and Environmental Manual.

The placement of pipelines should take into consideration the planned widening of state transportation facilities. The cost of relocating or reconstructing the pipeline will be borne by the applicant to the extent required by Section 337.403, F.S., and Rule Chapter 14-46, F.A.C.

SECTION B: SPECIFIC CONDITIONS

4. Standards

The Manual on Uniform Traffic Control Devices; Florida Department of Transportation's Design Standards for Design, Construction, Maintenance, and Utility Operation on the State Highway System; Florida Department of Transportation's Standard Specifications for Road and Bridge Construction; Florida Department of Transportation's Utility Accommodation Manual; and pertinent sections of the Florida Department of Transportation's Project Development and Environmental Manual will be adhered to in all circumstances involving the State Highway System and other transportation facilities.

5. Drainage

Any drainage onto State of Florida right-of-way and transportation facilities will be subject to the requirements of Rule Chapter 14-86, Drainage Connections, F.A.C., including the attainment of any permit required thereby.

6. Use of Air Space

Any newly proposed structure or alteration of an existing structure will be subject to the requirements of Chapter 333, F.S., and Rule 14-60.009, F.A.C. Additionally, notification to Federal Aviation Authority (FAA) is required prior to beginning construction, if the structure exceeds notification requirements of 14 CFR Part 77, Objects Affecting Navigable Airspace, Subpart B, Notice of Construction or Alteration. Notification will be provided to FAA Southern Region Headquarters using FAA Form 7460-1, Notice of Proposed Construction or Alteration in accordance with instructions therein. A subsequent determination by the FAA stating that the structure exceeds any federal obstruction standard of 14 CFR Part 77, Subpart C, for any structure that is located within a 10-nautical-mile radius of the geographical center of a public-use airport or military airfield in Florida will be required to submit information for an Airspace Obstruction Permit from the Florida Department of transportation or variance from local government depending on the entity with jurisdictional authority over the sited of the proposed structure. The FAA Determination regarding the structure serves only as a review of its impact on federal airspace and is not an authorization to proceed with any construction. However, FAA recommendations for marking and/or lighting of the proposed structure are made mandatory by Florida law. For a site under Florida Department of Transportation jurisdiction, application will be made by submitting Florida Department of Transportation Form 725-040-11, Airspace Obstruction Permit Application, in accordance with the instructions therein.

C. Best Management Practices

Traffic control during facility construction and maintenance will be subject to the standards contained in the Manual on Uniform Traffic Control Devices; Rule Chapter 14-94, Statewide Minimum Level of Service Standards, F.A.C.; Florida Department of Transportation's Roadway and Traffic Design Standards for Design, Construction Maintenance, and Utility Operation on the State Highway System; Florida Department of Transportation's Standard Specifications for Road and Bridge Construction; and Florida Department of Transportation's Utility Accommodation Manual, whichever is more stringent.

It is recommended that the Applicant encourage transportation demand management techniques by doing the following:

- Placing a bulletin board on site for carpooling advertisements.
- Requiring that heavy construction vehicles remain on-site for the duration of

SECTION B: SPECIFIC CONDITIONS

construction to the extent practicable.

If the Licensee uses contractors for the delivery of any overweight or over-dimensional loads to the site during construction, the Applicant should ensure that its contractors adhere to the necessary standards and receive the necessary permits required under Chapter 316, F.S., and Rule Chapter 14-26, Safety Regulations and Permit Fees for Overweight and Over-Dimensional Vehicles, F.A.C.

III. SUWANNEE RIVER WATER MANAGEMENT DISTRICT

A. General

The use of groundwater for the Deerhaven Generating Station shall be minimized to the greatest extent practicable, but in no case shall exceed 6.5 mgd based on an annual average daily basis.

[Section 40B-2.301(1), F.A.C.]

B. Well Criteria

The submission of well logs and test results and location, design and construction of wells to provide cooling towers makeup water shall be in accordance with applicable rules of the FDEP and the Suwannee River Water Management District.

[Chapter 40B-3, F.A.C.]

C. Groundwater Withdrawal Limits

GRU shall reduce the allocated groundwater withdrawal quantities for Deerhaven Generating Station from 6.5 mgd to 5.1 mgd (annual average) prior to or concurrent with the commencement of Gainesville Renewable Energy Center's groundwater withdrawals of 1.4 mgd.

[Section 40B-2.301(1), F.A.C.]

D. Reporting

GRU shall submit a report of the monthly pumpage of groundwater to the Suwannee River Water Management District on an annual basis.

[Section 4.0, Water Use Permit Applicant's Handbook, Incorporated by Reference in Section 40B-3.301(3), F.A.C.]

IV. FLORIDA FISH AND WILDLIFE CONSERVATION COMMISSION

A. General Listed Species Surveys

1. The Licensee shall coordinate with the Florida Fish and Wildlife Conservation Commission (FWC) to obtain and follow the current survey protocols for all listed species that may occur within the Certified Facility area to be impacted, as well as accessible appropriate buffers within the GRU property or rights-of-way as defined by the listed species' survey protocols, prior to conducting detailed surveys. Guidance related to species-specific survey protocols can be found in the FWC's Florida Wildlife Conservation Guide at <http://myfwc.com/conservation/value/fwccg/>.

2. Surveys shall be conducted prior to clearing and construction in accordance with the survey protocols. The results of those detailed surveys shall be provided to

SECTION B: SPECIFIC CONDITIONS

FWC in a report and coordination shall occur with the FWC on appropriate impact avoidance, minimization, permitting, or mitigation methodologies.

[Article IV, Section 9, Florida Constitution; Sections 379.2291, 403.50, and 403.5113(2), F.S.;-Chapter 68A-27 and Rule 62-17.191, F.A.C.]

B. Specific Listed Species Surveys

Before land clearing and construction activities within a Certified Facility(ies) area to be impacted, the Licensee shall conduct an assessment for terrestrial listed species and shall note all habitat, occurrence, or evidence of listed species. Wildlife surveys shall be conducted in the reproductive or "active" season for each species that falls before the projected clearing activity schedule unless otherwise approved by the FWC. For species that are difficult to detect, the Licensee may make the assumption that the species is present and plan appropriate avoidance/mitigation measures after consultation with FWC. The Licensee will submit avoidance/mitigation measures for FWC post-certification review and approval at least 60 days prior to commencing clearing or construction activities with the surveyed area.

1. This survey shall be conducted in accordance with U.S. Fish and Wildlife Service (USFWS) or FWC guidelines and methodologies by a person or firm that is knowledgeable and experienced in conducting flora and fauna surveys for each potentially occurring listed species.

2. This survey shall identify locations of breeding sites, nests, and burrows for listed wildlife species. Nests and burrows may be recorded with global positioning system (GPS) coordinates, identified on an aerial photograph, and submitted with the final listed species report. Although nests and burrows may be recorded individually with GPS, the FWC prefers that any applicable protection radii surrounding groups of nest sites and burrows be included on a site-specific basis, rather than around individual nests and burrows, and be physically marked so that clearing and construction shall avoid impacting them.

3. This survey shall include an estimate of the acreage and percent cover of each existing vegetation community that is contained within the Certified Site area to be impacted prior to land clearing and construction activities using a geographic information system (GIS). Examples of such wildlife-based habitat classification schemes include Florida's State Wildlife Action Plan (FWC 2012¹) or the Natural Communities Guide (Florida Natural Areas Inventory 2010²).

[Article IV, Section 9, Florida Constitution; Sections 379.2291, F.S.; Chapters 68A-4, 68A-16, 68A-27, and Rule 62-17.191, F.A.C.]

C. Listed Species Locations

Where any suitable habitat or evidence is found of the presence of listed species, including but not limited to those specified in D and E below, within the Certified Site to be impacted, the Licensee shall report those locations to, and confer with, the FWC to determine whether additional pre-clearing surveys are warranted, and to identify potential mitigation, or avoidance recommendations. If additional pre-clearing surveys are required by the FWC as appropriate and as specified in these Conditions of Certification, they shall occur in the

¹ Florida Fish and Wildlife Conservation Commission. 2012. Florida's State Wildlife Legacy Initiative: Florida's State Wildlife Action Plan. Tallahassee, Florida.

² Florida Natural Areas Inventory. 2010. Guide to the Natural Communities of Florida: 2010 edition. Florida Natural Areas Inventory, Tallahassee, Florida.

SECTION B: SPECIFIC CONDITIONS

reproductive season prior to the anticipated date for the start of construction within the Certified Site to be impacted. The Licensee shall not construct in areas where evidence of listed species was identified during the initial survey until the particular listed species issues have been resolved as follows:

1. **Listed Wildlife Species:** If listed wildlife species are found, their presence shall be reported to the DEP Siting Coordination Office, the appropriate DEP District Office(s), the FWC, USFWS, and other agencies as appropriate.

2. **Species Management Plan:** If total avoidance of state-listed wildlife species is not feasible, the Licensee shall consult with the FWC to determine the steps appropriate for the species involved to avoid, minimize, mitigate, or otherwise appropriately address potential impacts. For wildlife species, these steps shall be memorialized in a Wildlife Management Plan and submitted to the FWC for review and approval.

[Article IV, Section 9, Florida Constitution; Section 379.2291, F.S.; Chapter 68A-27 and Rule 62-17.191, F.A.C.]

D. Gopher Tortoise

1. The Licensee shall conduct surveys for gopher tortoise (*Gopherus polyphemus*), in accordance with the FWC-approved Gopher Tortoise Management Plan (as revised) and the FWC-approved Gopher Tortoise Permitting Guidelines, or subsequent FWC-approved versions of the Plan or Guidelines. A burrow survey covering a minimum of 15 percent of the potential gopher tortoise habitat to be impacted by development, including staging areas, is required in order to apply for a relocation permit. Immediately prior to capturing tortoises for relocation, a 100 percent survey is required to effectively locate and mark all potentially occupied tortoise burrows and to subsequently remove the tortoises. Burrow survey methods are outlined in Appendix 4 of the Gopher Tortoise Permitting Guidelines, "Methods for Burrow Surveys on Development (Donor) and Recipient Sites." All surveys completed by authorized agents or other licensees are subject to field verification by FWC.

2. The Licensee is not required to provide a monitoring compliance assessment for activities that occur more than 25 feet from a gopher tortoise burrow entrance, provided that such activities do not harm gopher tortoises or violate rules protecting gopher tortoises. Examples of such violations noted in the past by the FWC include, but are not limited to, killing or injuring a tortoise more than 25 feet away from its burrow, harassing a tortoise by blocking access to its burrow, and altering gopher tortoise habitat to such an extent that resident tortoises are taken.

3. The Licensee shall coordinate with and provide the FWC detailed gopher tortoise relocation information in accordance with the FWC-approved Gopher Tortoise Management Plan and Gopher Tortoise Permitting Guidelines as a post-Certification submittal. This information shall provide details on the location for on-site recipient areas and any off-site FWC-approved temporary contiguous habitat, as well as appropriate mitigation contributions per tortoise, as outlined in the Gopher Tortoise Permitting Guidelines.

4. Any commensal species observed during the burrow excavations that are listed by the FWC shall be relocated in accordance with the applicable guidelines for that species in accordance with Appendix 9 of the Gopher Tortoise Permitting Guidelines.

SECTION B: SPECIFIC CONDITIONS

5. To the maximum extent practicable or feasible, all staging and storage areas shall be sited to avoid impacts to gopher tortoise burrows and habitat.

[Article IV, Sec. 9, Florida Constitution; Sections 379.2291, 403.507, 403.526, and 403.5113, F.S.; Chapter 68A-27 and Rule 62-17.191, F.A.C.]

V. DEPARTMENT OF STATE – DIVISION OF HISTORICAL RESOURCES

A. Prior to new construction in areas not previously surveyed, the Licensee shall conduct a survey of sensitive cultural resource areas, as determined in consultation with the Department of State, Division of Historical Resources (DHR). A qualified cultural resources consultant will identify an appropriate work plan for this project based on a thorough review of the Certified Facility. Prior to beginning any field work, the work plan will be reviewed in consultation with DHR. Upon completion of the survey, the results will be compiled into a report which shall be submitted to DHR. If feasible, sites considered to be eligible for the National Register shall be avoided during construction of the project and access roads, and subsequently during maintenance. If avoidance of any discovered sites is not feasible, impact shall be mitigated through archaeological salvage operations or other methods acceptable to DHR, as appropriate.

B. If historical or archaeological artifacts or features are discovered at any time within the Certified Facility, the Licensee shall notify the appropriate DEP District office(s) and the DHR, R.A. Gray Building, 500 South Bronough Street, Room 423, Tallahassee, Florida 32399-0250, telephone number (850) 245-6333, and the Licensee shall consult with DHR to determine appropriate action.

[Sections 267.061, 403.531, and 872.02, F.S.]

VI. DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES

Only herbicides registered by the U.S. Environmental Protection Agency and the Florida Department of Agriculture and Consumer Services shall be used at Certified Facilities. Herbicide applications will be in accordance with label directions and will be carried out by a licensed applicator, in compliance with all federal, state and local regulations. Herbicide applications shall be selectively applied to targeted vegetation. Broadcast application of herbicide shall not be used unless effects on non-targeted vegetation are minimized.

[Chapter 487, F.S.]

VII. DEPARTMENT OF HEALTH

A. Sanitary Wastes

The sanitary waste disposal system shall be designed to operate in conformance with Chapter 64E-6, F.A.C., and the guidelines of the Alachua County Health Department and the State of Florida. If repeated failures of the drainfield system (two or more per year) indicate a potential for causing a public health hazard as determined by the Alachua County Health Department or if sampling should indicate pollution of waters of the state due to excessive concentrations of coliform organisms, then the septic tank drain-field system shall be abandoned and plans for a properly designed sewage treatment plant shall be promptly submitted to the Department for approval and construction immediately thereafter.

SECTION B: SPECIFIC CONDITIONS

B. Sewer Connection

Whenever an approved sanitary sewer is made available in a public right-of-way or easement abutting the site, the individual septic tank or any individual sewage disposal system, device or equipment shall be abandoned and the sewage wastes from the power plant facility shall be connected to the sanitary sewer within ninety (90) days of the date the sanitary sewer becomes available.

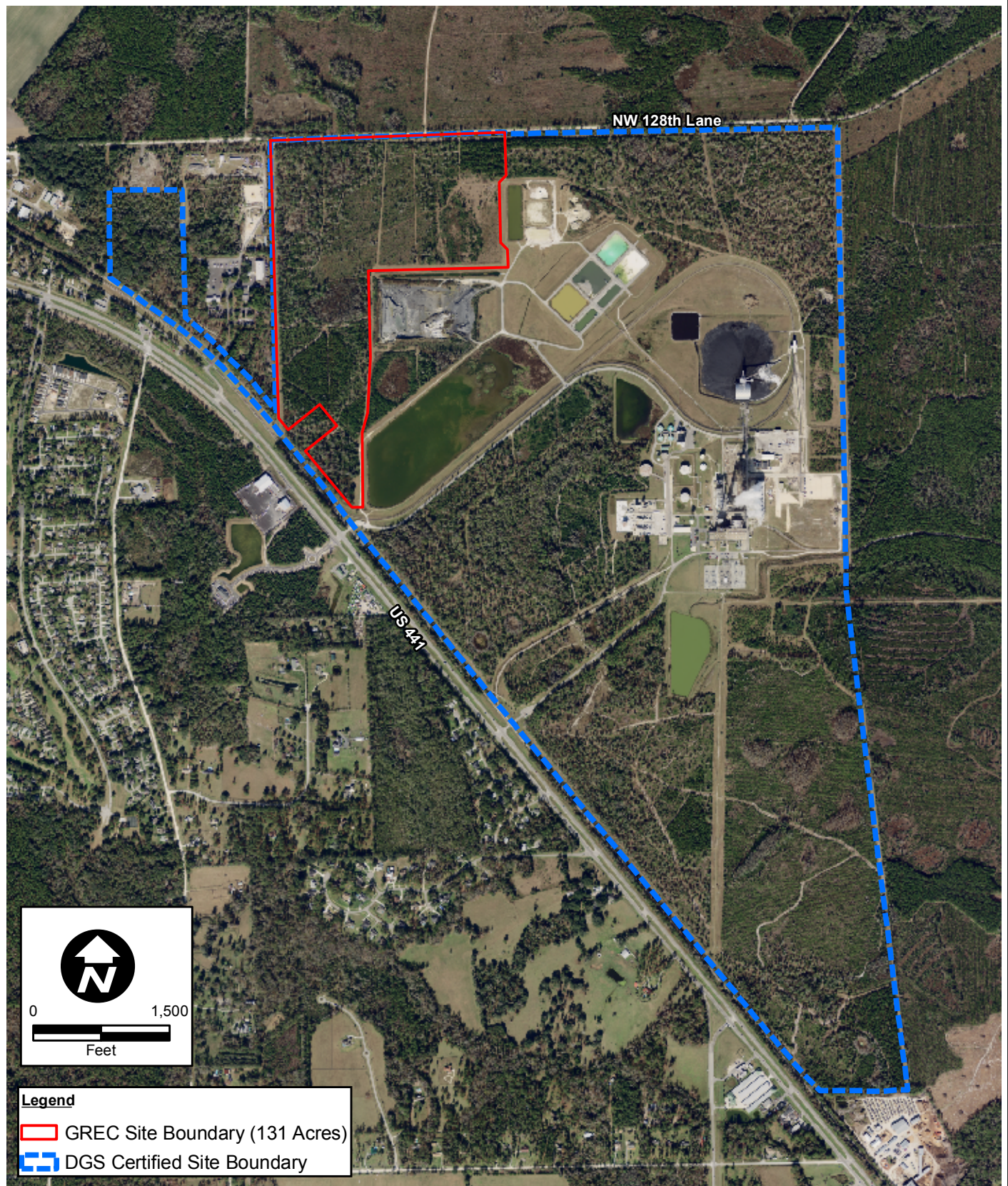
HISTORY

Certification Issued (Unit 2) 05/16/78; signed by Governor Askew
Modified 6/22/82; signed by Secretary Tschinkel
Modified 01/27/87; signed by Secretary Twachtman
Modified 04/06/95; signed by Secretary Wetherell
Modified 03/21/03; signed by Siting Administrator Owen
Modified 07/08/03; signed by Siting Administrator Owen
Modified 08/11/05; signed by Siting Administrator Owen
Modified 08/17/07; signed by Siting Administrator Halpin
Modified 02/23/11; signed by Siting Administrator Halpin
Modified 4/21/2020; signed by Siting Administrator Mulkey

ATTACHMENTS

ATTACHMENT A: Maps

(to be attached - referenced in Section A. Condition I. Scope)



Sources: GRU, 2009; FDOT, 2008; GENESIS, 2009; ECT, 2009.

ATTACHMENTS

ATTACHMENT B: Surface Water Management System Operation and Maintenance Requirements

ATTACHMENT B: Surface Water Management System Operation and Maintenance Requirements

1. In accordance with Section 373.416(2), F.S., unless revoked or abandoned, all stormwater management systems, dams, impoundments, reservoirs, appurtenant works, or works permitted under Part IV of Chapter 373, F.S., must be operated and maintained in perpetuity. The operation and maintenance shall be in accordance with the designs, plans, calculations, and other specifications that are submitted with any amendment or modification and approved by the Department.
2. A registered professional must perform inspections annually after conversion of the project to the operation and maintenance phase to identify if there are any deficiencies in structural integrity, degradation due to insufficient maintenance, or improper operation of the stormwater management system or other surface water management systems that may endanger public health, safety, or welfare, or the water resources, and to insure that systems are functioning as designed and approved. Within 30 days of the inspection, a report shall be submitted electronically or in writing to the Department using Form 62-330.311(1), "Operation and Maintenance Inspection Certification".
3. If deficiencies are found, the Deerhaven Generating Station will be responsible for correcting the deficiencies so that the project is returned to the operational functions as designed and approved. The corrections must be done a timely manner to prevent compromises to flood protection and water quality.
4. If the operational maintenance and corrective measures are insufficient to enable the systems to meet the performance standards of this chapter, the Deerhaven Generating Station must either replace the systems or construct an alternative design.
5. The Deerhaven Generating Station shall provide for periodic inspections in addition to the annual inspections, especially after heavy rain. It must maintain a record of each inspection, including the date of inspection, the name and contact information of the inspector, whether the system was functioning as designed and approved, and make such record available upon request of the Department. Within 30 days of any failure of any system or deviation from the permit, a report shall be submitted electronically or in writing to the Department using Form 62-330.311(1), "Operation and Maintenance Inspection Certification," describing the remedial actions taken to resolve the failure or deviation.
6. The Deerhaven Generating Station shall immediately notify the Department by telephone whenever a serious problem occurs at this facility. Notification shall be made to the Northeast District Office at (904) 256-1700. Within 7 days of telephone notification, a report shall be submitted electronically or in writing to the Department using Form 62-330.311(1), "Operation and Maintenance Inspection Certification," describing the extent of the problem, its cause, the remedial actions taken to resolve the problem.
7. The following operational maintenance activities shall be performed on approved systems on a regular basis or as needed:
 - (1) Removal of trash and debris from the surface water management systems,

(2) Inspection of culverts, culvert risers, pipes and screwgates for damage, blockage, excessive leakage or deterioration, if applicable,

(3) Inspection of stormwater berms, if applicable,

(4) Inspection of pipes for evidence of lateral seepage,

(5) Inspection of flapgates for excessive backflow or deterioration, if applicable,

(6) Removal of sediments when the storage volume or conveyance capacity of the surface water management system is below design levels,

(7) Stabilization and restoration of eroded areas,

(8) Inspection of pump stations for structural integrity and leakage of fuel or oil to the ground or surface water, if applicable, and

(9) Inspection of monitoring equipment, including pump hour meters and staff gauges, for damage and operational status, if applicable.

8. In addition to the practices listed above, specific operational maintenance activities are required, if applicable, depending on the type of approved system, as follows:

(1) Overland flow systems shall include provisions for:

a. Mowing and removal of clippings, and

b. Maintenance of spreader swales and overland flow areas to prevent channelization.

(2) Spray irrigation systems for reuse/disposal shall include provisions for:

a. Inspection of the dispersal system, including the sprayheads or perforated pipe for damage or clogging, and

b. Maintenance of the sprayfield to prevent channelization.

(3) Treatment systems which incorporate isolated wetlands shall include provisions for:

a. Stabilization and restoration of channelized areas, and

b. Removal of sediments which interfere with the function of the wetland or treatment system.

ATTACHMENTS

ATTACHMENT C: Mitigation Plans (if applicable)

Attachment C - Mitigation Plan

Gainesville Regional Authority (GRU) certified the Deerhaven Generating Station and associated facilities through the Florida Electric Power Plant Siting Act. The certification PA 74-04 was approved by the Governor and Cabinet on May 16, 1978.

History of wetland impacts and mitigation:

Project	Impacts	Mitigation	Status	Project Completed
Fuel spill clean up ERP-CE site 266484	June 4, 2006, approx. 25,000 gal of #6 fuel oil spill into stormwater collection system, then to tributary of Turkey Creek and across forested wetlands.	Contaminated soils were removed and replacement wetland species planted. *See full report at Oculus link following table	Consent Order closed 2010	Yes

*[https://depeds.dep.state.fl.us:443/Oculus/servlet/shell?command=getEntity&\[guid=23.67132.1\]&\[profile=Discovery Compliance\]](https://depeds.dep.state.fl.us:443/Oculus/servlet/shell?command=getEntity&[guid=23.67132.1]&[profile=Discovery Compliance])

ATTACHMENTS

ATTACHMENT D: Groundwater Monitoring Requirements

ATTACHMENT D

GRU-Deerhaven Generating Station
Site Certification PA74-04

Florida Department of Environmental Protection

Industrial Wastewater Groundwater Monitoring Requirements for Site Certification PA74-04, in accordance with Section B, Condition I.B.

1. Groundwater monitoring is required around all Industrial Wastewater (IW) sites (i.e.: coal pile storage area, brine salt disposal site, lime sludge basins, process water ponds, solid waste sites, and all associated runoff ponds). The Licensee shall install and maintain a groundwater monitoring well network for the above sites to monitor the water quality of the surficial aquifer both horizontally and vertically, in accordance with Chapters 62-520 and 62-660, F.A.C.
2. During the period of operation authorized by the Site Certification, the Licensee shall conduct groundwater monitoring at the monitor wells identified in condition 4 below, in accordance with the conditions of certification, the approved groundwater monitoring plan, and Rules 62-520.600 and 62-660, F.A.C.
3. The Licensee shall include Site Certification # PA74-04 and IW Facility ID FLA017161 on all IW correspondence, including the Groundwater Monitoring Reports, in order to allow for specific-cross filing with DEP databases. *[62-17-191, F.A.C.]*
4. The following monitor wells at the Industrial Wastewater sites shall be sampled for the parameters and frequency in condition 5 below:

Monitoring Well ID	Alternate Well Name and/or Location	Latitude (N)	Longitude (W)	Depth (Feet)	Aquifer Monitored	New or Existing
MWD-1-6	R1T6 / Due east of Coal Pile Storage Area, along eastern property line.	29° 45' 49"	82° 23' 02"	20	Surficial	Existing
MWB-2-1	R2T1 / North of Coal Pile Storage, near NE property corner.	29° 46' 13"	82° 23' 12"	13	Surficial	Existing
MWI-3-7	R3T7 / SW of Coal Pile Storage Area, 250' NE of Pond #3.	29° 45' 45"	82° 23' 22"	10	Surficial	Existing
MWI-4-5*	R4T5B / SE side of the Ash Ponds.	29° 45' 52"	82° 23' 33"	12	Surficial	Existing
MWD-6-1	R6T1B / NW of Secure Landfill, along northern property line.	29° 46' 13"	82° 23' 49"	15	Surficial	Existing
MWI-6-4	R6T4B / South side of the Secure Landfill.	29° 46' 01"	82° 23' 40"	13	Surficial	Existing
MWI-6-8	R6T8B / 350' east of Pond #1, SW of Coal Pile Storage Area.	29° 45' 39"	82° 23' 43"	12	Surficial	Existing
MWD-6-12	R6T12 / Due west of Pond #4, SW of Coal Pile Storage Area.	29° 45' 18"	82° 23' 43"	6	Surficial	Existing
MWC-8-10*	R8T10 / SW of Coal Pile Storage Area, along SR 441.	29° 45' 24"	82° 23' 55"	11	Surficial	Existing
MWI-9-5	R9T5B / NW corner of Ash Landfill.	29° 45' 57"	82° 24' 00"	12	Surficial	Existing
MWC-10-8	R10T8 / SW of Pond #1, SSW of Ash Landfill, along SR-441.	29° 45' 36"	82° 24' 06"	11	Surficial	Existing
MWC-11-4	R11T4B / West of Ash Landfill, along western property line.	29° 45' 58"	82° 24' 12"	13	Surficial	Existing
MWC-DEEP	DEEP-1 / One of four plant supply wells	Variable with operation of four supply wells.		~450	Floridan	Existing

MWB = Background; MWI = Intermediate; MWC = Compliance; MWD = Site Boundary

**See condition 6 for additional monitoring requirements on these two wells.*

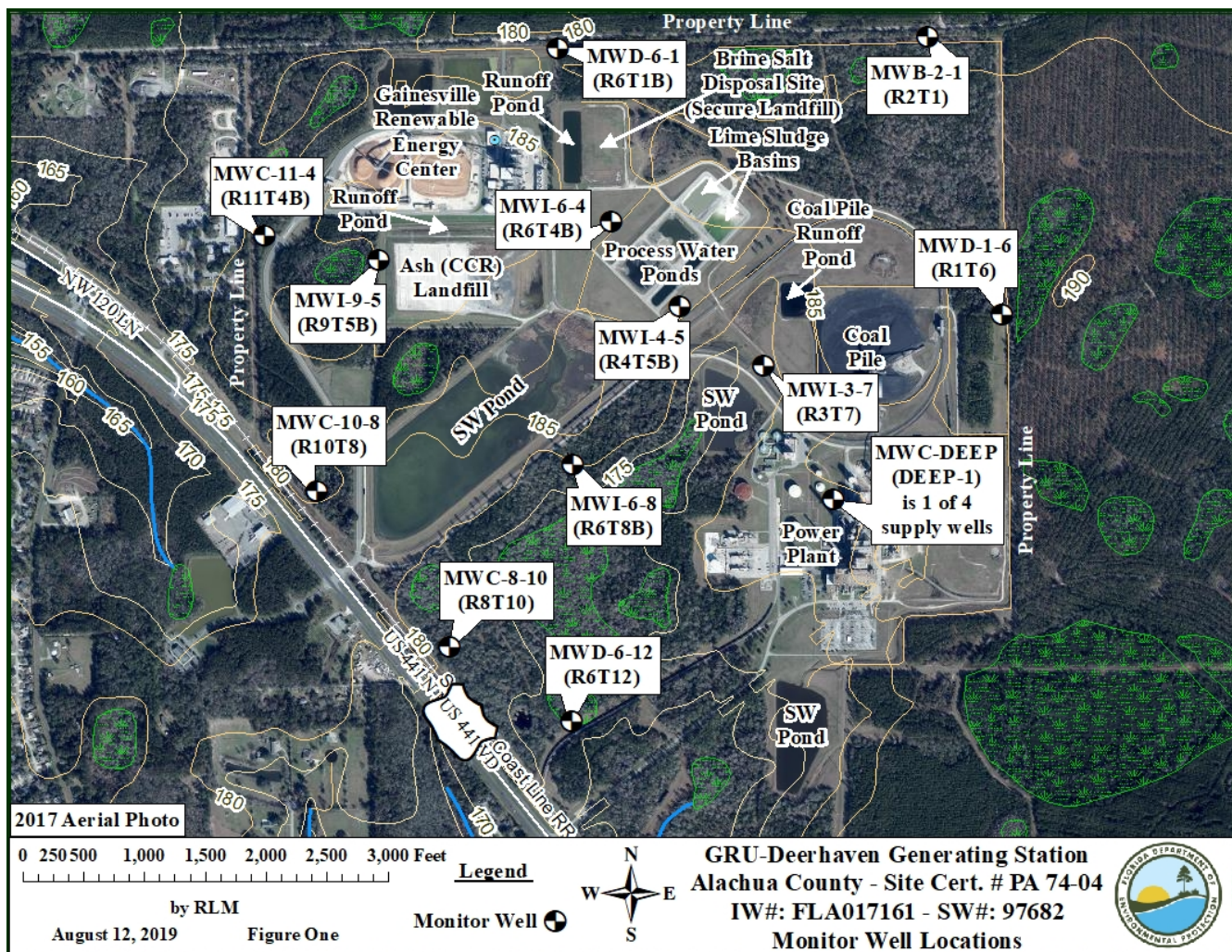


Figure 1. Groundwater Monitor Well Locations

5. The following parameters in the table below shall be sampled and analyzed at the stated frequency for all monitor wells listed in condition 4 above.

Parameter	Compliance Well Limit	Units	Sample Type	Monitoring Frequency
Aluminum, Total Recoverable	Report	ug/L	Grab	Quarterly
Arsenic, Total Recoverable	10	ug/L	Grab	Quarterly
Barium, Total Recoverable	2000	ug/L	Grab	Quarterly
Beryllium, Total Recoverable	4	ug/L	Grab	Quarterly
Cadmium, Total Recoverable	5	ug/L	Grab	Quarterly
Calcium, Total Recoverable	Report	mg/L	Grab	Quarterly
Chloride	Report	mg/L	Grab	Quarterly
Chromium, Total Recoverable	100	ug/L	Grab	Quarterly
Cobalt, Total Recoverable	Report	ug/L	Grab	Quarterly
Color	Report	PCU	Grab	Quarterly
Copper, Total Recoverable	Report	ug/L	Grab	Quarterly
Dissolved Oxygen	Report	mg/L	In-situ	Quarterly

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Parameter	Compliance Well Limit	Units	Sample Type	Monitoring Frequency
Gross Alpha	15	pCi/L	Grab	Quarterly
Iron, Total Recoverable	Report	ug/L	Grab	Quarterly
Lead, Total Recoverable	15	ug/L	Grab	Quarterly
Magnesium, Total Recoverable	Report	mg/L	Grab	Quarterly
Manganese, Total Recoverable	Report	ug/L	Grab	Quarterly
Mercury, Total Recoverable	2	ug/L	Grab	Quarterly
Molybdenum, Total Recoverable	Report	ug/L	Grab	Quarterly
Nickel, Total Recoverable	100	ug/L	Grab	Quarterly
Nitrite+Nitrate (as N)	10	mg/L	Grab	Quarterly
pH (field)	Report	SU	In-situ	Quarterly
Potassium, Total	Report	mg/L	Grab	Quarterly
Redox Potential (ORP)	Report	mV	Grab	Quarterly
Selenium, Total Recoverable	50	ug/L	Grab	Quarterly
Silver, Total Recoverable	Report	ug/L	Grab	Quarterly
Sodium	160	mg/L	Grab	Quarterly
Specific Conductance (field)	Report	umhos/cm	In-situ	Quarterly
Strontium, Total Recoverable	Report	ug/L	Grab	Quarterly
Sulfate	Report	mg/L	Grab	Quarterly
Temperature	Report	°C	In-situ	Quarterly
Total Dissolved Solids	Report	mg/L	Grab	Quarterly
Total Organic Carbon	Report	mg/L	Grab	Quarterly
Total Suspended Solids	Report	mg/L	Grab	Quarterly
Turbidity	Report	NTU	In-situ	Quarterly
Vanadium, Total Recoverable	Report	ug/L	Grab	Quarterly
Water Level (NGVD)	Report	Feet	In-situ	Quarterly
Zinc, Total Recoverable	Report	ug/L	Grab	Quarterly

[62-520.600(11)(b) and 62-520.310(5), F.A.C.]

Quarterly = Four Times Per Year

- By June 1, 2020, and once every five years thereafter, the Licensee shall conduct an expanded sampling of existing monitor wells **MWI-4-5 (R4T5B)** and **MWC-8-10 (R8T10)**, for the primary and secondary drinking water parameters included in Chapter 62-550, Tables 1, 4, and 6, (excluding asbestos and odor), and including Gross Alpha (excluding Radon and Uranium), Radium 226+228, and Turbidity. All analytical results from this expanded sampling shall be submitted to the FDEP-NED Groundwater Section within 90 days following the sampling event. *Note that a laboratory report will suffice for this submittal with no need for transcription to other reporting format.* [62-520.600(5)(b), F.A.C.]
- Except for the expanded monitor well results in condition 6, the monitor well results shall be submitted electronically in accordance with the following requirements:

For the sampling results from all monitor wells in condition 4, the Licensee shall use the electronic DMR system(s) approved by the Department (EzDMR), and the Licensee shall electronically submit the completed DMR forms in accordance with the following schedule using the DEP Business Portal at <http://www.fldepportal.com/go/>, unless the Licensee has a waiver from the Department in accordance with 40 CFR 127.15. Data submitted in electronic format is equivalent to data submitted on signed and certified

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paper DMR forms. A facility specific version of the DEP DMR Form is included as Appendix 1 at the bottom of Attachment D.

MONITORING PERIOD	FREQUENCY	SUBMIT BY
January 1 – March 30	Quarterly	April 28
April 1 – June 30	Quarterly	July 28
July 1 – September 30	Quarterly	October 28
October 1 – December 31	Quarterly	January 28

Reports shall be submitted to the Department by the twenty-eighth (28th) of the month following each monitoring period. Any hard copy DMRs shall be submitted on Part D of DEP Form 62-620.910(10) to the addresses listed condition 8 below.

[62-17-191, 62-520.600(11)(b) and 62-620.610(18), F.A.C.]

8. All correspondence, reports, and other information, excluding the DMRs, shall be appropriately submitted to or reported to the Florida Department of Environmental Protection at the addresses and sections specified below, or emailed, as appropriate, to the Groundwater Section at DEP_NED@floridadep.gov and the Siting Coordination Office at SCO@floridadep.gov.

Florida Department of Environmental Protection
Northeast District Office, Groundwater Section
8800 Baymeadows Way West, Suite 100
Jacksonville, Florida 32256
Phone (904) 256-1700

Florida Department of Environmental Protection
Solid Waste Section, MS 4565
2600 Blair Stone Road
Tallahassee, Florida, 32399-2400

[62-17-191 and 62-620.305, F.A.C.]

9. All reports and other information shall be signed, in accordance with the requirements of Rule 62-620.305 and 62-701.510, F.A.C.
10. Groundwater samples shall be collected in accordance with DEP's Standard Operating Procedures Manual for Field Sampling, and shall conform to the applicable Quality Assurance/Quality Control requirements of Chapter 62-160, F.A.C.
11. The Licensee shall ensure that all monitor well samples are analyzed by a certified laboratory that meets the requirements of Chapter 62-160, F.A.C. Minimum detection limits shall be at or below the groundwater standards and/or criteria.
12. The Licensee shall give at least 72-hours-notice to the DEP-NED Groundwater Section, prior to the installation of any new monitoring wells detailed in the conditions. *[62-520.600(6)(h), F.A.C.]*
13. Prior to construction of new monitor wells, a soil boring shall be made at each well location in order to properly determine the well depth and screen interval. *[62-520.600(6)(g), F.A.C.]*
14. All monitor wells shall be constructed and developed in accordance with the DEP's guidelines referenced in Chapter 62-520, F.A.C. and installed by a Florida licensed water well contractor. *[62-520.600(3), F.A.C.]*

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15. Within 30 days after installation of a monitoring well, the Licensee shall submit to the DEP-NED Groundwater Section detailed information on the well's location and construction on DEP Form(s) 62-520.900(3), Monitoring Well Completion Report. *[62-17-191, 62-520.600(6)(j), and 62-520.900(3), F.A.C.]*
16. All piezometers and monitor wells not part of the approved groundwater monitoring plan are to be plugged and abandoned in accordance with Rule 62-532.500(4), F.A.C., unless future use is intended. *[62-532.500(5), F.A.C.]*
17. If the DEP-NED determines that the monitoring results for the parameters listed in the approved GWMP indicate an abnormally increasing trend in any of the compliance wells, or intermediate wells, the Licensee shall meet with the NED to discuss and formulate a plan for additional assessment and monitoring, if necessary, in accordance with Rule 62-520.470, F.A.C.
18. If any monitoring well becomes inoperable or damaged to the extent that sampling or well integrity may be affected, the Licensee shall notify the DEP-NED Groundwater Section and Compliance Section within two business days from discovery, and a detailed written report shall follow within ten days after notification to the Department. The written report shall detail what problem has occurred and remedial measures that have been taken to prevent recurrence or request approval for replacement of the monitoring well. All monitoring well design and replacement shall be approved by the DEP-NED Groundwater Section, before installation. *[62-520.600(6)(l), F.A.C.]*
19. If the concentration of a monitoring constituent in the natural background groundwater quality is greater than the stated maximum, or in the case of pH is also less than the minimum, the representative background quality shall be the prevailing standard. *[62-520.420(2), F.A.C.]*
20. Water levels shall be recorded before evacuating each well for sample collection. Elevation references shall include the top of the well casing and land surface at each well site (NAVD allowable) at a precision of plus or minus 0.01 foot. *[62-520.600(11)(c), F.A.C.]*
21. Groundwater monitor wells shall be purged prior to sampling to obtain representative samples. *[62-160.210, F.A.C.]*
22. Analyses shall be conducted on unfiltered samples, unless filtered samples have been approved by the DEP-NED Groundwater Section as being more representative of groundwater conditions. *[62-520.310(5), F.A.C.]*
23. The groundwater minimum criteria specified in Rule 62-520.400 F.A.C., shall be met within the zone of discharge, as required in Rule 62-520.420(4), F.A.C.
24. Zone of Discharge.

For the industrial wastewater (IW) sites, all groundwater quality criteria specified in Chapter 62-520, F.A.C. shall be met at the edge of the zone of discharge (ZOD). The ZOD for the existing IW sites shall extend horizontally from the discharge sites to the property boundaries and vertically to the base of the surficial aquifer, in accordance with Rules 62-520.200(27), and 62-520.465, F.A.C. For any new, or modified IW site, the ZOD shall not exceed 100 feet from the edge of the IW site, or to the property boundary, whichever comes first.

Appendix 1

GROUNDWATER MONITORING WELL REPORT - PART D

Facility Name: GRU Deerhaven Power Plant
 Permit Number: FLA017161 (PA74-04) (SW ID# 97682)
 County: Alachua

Monitoring Well ID: MWD-1-6 (R1T6)
 Well Type: Site Boundary
 Description: Due east of Coal Pile Storage Area, along eastern property line.

Monitoring Period: From: _____ To: _____

Date Sample Obtained: _____

Was the well purged before sampling? ☐ Yes ☐ No

Time Sample Obtained: _____

Parameter	PARM Code	Sample Measurement	Qualifier	Permit Requirement	Units	Sample Type	Monitoring Frequency	Detection Limits (MDL)	Analysis Method	Sampling Equipment Used	Samples Filtered (L/F/N)
Aluminum, Total Recoverable	01104			Report	ug/L	Grab	Quarterly				
Arsenic, Total Recoverable	00978			Report	ug/L	Grab	Quarterly				
Barium, Total Recoverable	01009			Report	ug/L	Grab	Quarterly				
Beryllium, Total Recoverable	00998			Report	ug/L	Grab	Quarterly				
Cadmium, Total Recoverable	01113			Report	ug/L	Grab	Quarterly				
Calcium, Total Recoverable	00918			Report	mg/L	Grab	Quarterly				
Chloride	00940			Report	mg/L	Grab	Quarterly				
Chromium, Total Recoverable	01118			Report	ug/L	Grab	Quarterly				
Cobalt, Total Recoverable	00979			Report	ug/L	Grab	Quarterly				
Color	00080			Report	PCU	Grab	Quarterly				
Copper, Total Recoverable	01119			Report	ug/L	Grab	Quarterly				
Dissovled Oxygen	00300			Report	mg/L	In-situ	Quarterly				
Gross Alpha	80045			Report	pCi/L	Grab	Quarterly				
Iron, Total Recoverable	00980			Report	ug/L	Grab	Quarterly				
Lead, Total Recoverable	01114			Report	ug/L	Grab	Quarterly				
Magnesium, Total Recoverable	00921			Report	mg/L	Grab	Quarterly				
Manganese, Total Recoverable	11123			Report	ug/L	Grab	Quarterly				
Mercury, Total Recoverable	71901			Report	ug/L	Grab	Quarterly				
Molybdenum, Total Recoverable	01129			Report	ug/L	Grab	Quarterly				
Nickel, Total Recoverable	01074			Report	ug/L	Grab	Quarterly				
Nitrite+Nitrate (as N)	00630			Report	mg/L	Grab	Quarterly				
pH (field)	00400			Report	SU	In-situ	Quarterly				
Potassium, Total	00937			Report	mg/L	Grab	Quarterly				
Redox Potential (ORP)	00090			Report	mV	Grab	Quarterly				
Selenium, Total Recoverable	00981			Report	ug/L	Grab	Quarterly				

GROUNDWATER MONITORING WELL REPORT - PART D

Facility Name: GRU Deerhaven Power Plant
 Permit Number: FLA017161 (PA74-04) (SW ID# 97682)
 County: Alachua

Monitoring Well ID: MWD-1-6 (R1T6)
 Well Type: Site Boundary
 Description: Due east of Coal Pile Storage Area, along eastern property line.

Monitoring Period: From: _____ To: _____

Date Sample Obtained: _____

Was the well purged before sampling? ☐ Yes ☐ No

Time Sample Obtained: _____

(Continued)

Parameter	PARM Code	Sample Measurement	Qualifier	Permit Requirement	Units	Sample Type	Monitoring Frequency	Detection Limits (MDL)	Analysis Method	Sampling Equipment Used	Samples Filtered (L/F/N)
Silver, Total Recoverable	01079			Report	ug/L	Grab	Quarterly				
Sodium	00923			Report	mg/L	Grab	Quarterly				
Specific Conductance (field)	00095			Report	umhos/cm	In-situ	Quarterly				
Strontium, Total Recoverable	01084			Report	ug/L	Grab	Quarterly				
Sulfate	00945			Report	mg/L	Grab	Quarterly				
Temperature	00010			Report	°C	In-situ	Quarterly				
Total Dissolved Solids	70295			Report	mg/L	Grab	Quarterly				
Total Organic Carbon	00680			Report	mg/L	Grab	Quarterly				
Total Suspended Solids	00530			Report	mg/L	Grab	Quarterly				
Turbidity	00070			Report	NTU	In-situ	Quarterly				
Vanadium, Total Recoverable	01128			Report	ug/L	Grab	Quarterly				
Water Level (NGVD)	82545			Report	Feet	In-situ	Quarterly				
Zinc, Total Recoverable	01094			Report	ug/L	Grab	Quarterly				

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	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED	TELEPHONE NO	DATE (yy/mm/dd)

COMMENTS AND EXPLANATION (Reference all attachments here):

GROUNDWATER MONITORING WELL REPORT - PART D

Facility Name: GRU Deerhaven Power Plant
 Permit Number: FLA017161 (PA74-04) (SW ID# 97682)
 County: Alachua

Monitoring Well ID: MWB-2-1 (R2T1)
 Well Type: Background
 Description: North of Coal Pile Storage Area, along northern property line, and near NE property corner.

Monitoring Period: From: _____ To: _____

Date Sample Obtained: _____

Was the well purged before sampling? ☐ Yes ☐ No

Time Sample Obtained: _____

Parameter	PARM Code	Sample Measurement	Qualifier	Permit Requirement	Units	Sample Type	Monitoring Frequency	Detection Limits (MDL)	Analysis Method	Sampling Equipment Used	Samples Filtered (L/F/N)
Aluminum, Total Recoverable	01104			Report	ug/L	Grab	Quarterly				
Arsenic, Total Recoverable	00978			Report	ug/L	Grab	Quarterly				
Barium, Total Recoverable	01009			Report	ug/L	Grab	Quarterly				
Beryllium, Total Recoverable	00998			Report	ug/L	Grab	Quarterly				
Cadmium, Total Recoverable	01113			Report	ug/L	Grab	Quarterly				
Calcium, Total Recoverable	00918			Report	mg/L	Grab	Quarterly				
Chloride	00940			Report	mg/L	Grab	Quarterly				
Chromium, Total Recoverable	01118			Report	ug/L	Grab	Quarterly				
Cobalt, Total Recoverable	00979			Report	ug/L	Grab	Quarterly				
Color	00080			Report	PCU	Grab	Quarterly				
Copper, Total Recoverable	01119			Report	ug/L	Grab	Quarterly				
Dissovled Oxygen	00300			Report	mg/L	In-situ	Quarterly				
Gross Alpha	80045			Report	pCi/L	Grab	Quarterly				
Iron, Total Recoverable	00980			Report	ug/L	Grab	Quarterly				
Lead, Total Recoverable	01114			Report	ug/L	Grab	Quarterly				
Magnesium, Total Recoverable	00921			Report	mg/L	Grab	Quarterly				
Manganese, Total Recoverable	11123			Report	ug/L	Grab	Quarterly				
Mercury, Total Recoverable	71901			Report	ug/L	Grab	Quarterly				
Molybdenum, Total Recoverable	01129			Report	ug/L	Grab	Quarterly				
Nickel, Total Recoverable	01074			Report	ug/L	Grab	Quarterly				
Nitrite+Nitrate (as N)	00630			Report	mg/L	Grab	Quarterly				
pH (field)	00400			Report	SU	In-situ	Quarterly				
Potassium, Total	00937			Report	mg/L	Grab	Quarterly				
Redox Potential (ORP)	00090			Report	mV	Grab	Quarterly				
Selenium, Total Recoverable	00981			Report	ug/L	Grab	Quarterly				

GROUNDWATER MONITORING WELL REPORT - PART D

Facility Name: GRU Deerhaven Power Plant
Permit Number: FLA017161 (PA74-04) (SW ID# 97682)
County: Alachua

Monitoring Well ID: MWB-2-1 (R2T1)
Well Type: Background
Description: North of Coal Pile Storage Area, along northern property line, and near NE property corner.

Monitoring Period: From: _____ To: _____

Date Sample Obtained: _____

Was the well purged before sampling? ☐ Yes ☐ No

Time Sample Obtained: _____

(Continued)

Parameter	PARM Code	Sample Measurement	Qualifier	Permit Requirement	Units	Sample Type	Monitoring Frequency	Detection Limits (MDL)	Analysis Method	Sampling Equipment Used	Samples Filtered (L/F/N)
Silver, Total Recoverable	01079			Report	ug/L	Grab	Quarterly				
Sodium	00923			Report	mg/L	Grab	Quarterly				
Specific Conductance (field)	00095			Report	umhos/cm	In-situ	Quarterly				
Strontium, Total Recoverable	01084			Report	ug/L	Grab	Quarterly				
Sulfate	00945			Report	mg/L	Grab	Quarterly				
Temperature	00010			Report	°C	In-situ	Quarterly				
Total Dissolved Solids	70295			Report	mg/L	Grab	Quarterly				
Total Organic Carbon	00680			Report	mg/L	Grab	Quarterly				
Total Suspended Solids	00530			Report	mg/L	Grab	Quarterly				
Turbidity	00070			Report	NTU	In-situ	Quarterly				
Vanadium, Total Recoverable	01128			Report	ug/L	Grab	Quarterly				
Water Level (NGVD)	82545			Report	Feet	In-situ	Quarterly				
Zinc, Total Recoverable	01094			Report	ug/L	Grab	Quarterly				

COMMENTS AND EXPLANATION (Reference all attachments here):

GROUNDWATER MONITORING WELL REPORT - PART D

Facility Name: GRU Deerhaven Power Plant
 Permit Number: FLA017161 (PA74-04) (SW ID# 97682)
 County: Alachua

Monitoring Well ID: MWI-3-7 (R3T7)
 Well Type: Intermediate
 Description: SW side of the Coal Pile Storage Area, about 250' NE of Pond #3.

Monitoring Period: From: _____ To: _____

Date Sample Obtained: _____

Was the well purged before sampling? ☐ Yes ☐ No

Time Sample Obtained: _____

Parameter	PARM Code	Sample Measurement	Qualifier	Permit Requirement	Units	Sample Type	Monitoring Frequency	Detection Limits (MDL)	Analysis Method	Sampling Equipment Used	Samples Filtered (L/F/N)
Aluminum, Total Recoverable	01104			Report	ug/L	Grab	Quarterly				
Arsenic, Total Recoverable	00978			Report	ug/L	Grab	Quarterly				
Barium, Total Recoverable	01009			Report	ug/L	Grab	Quarterly				
Beryllium, Total Recoverable	00998			Report	ug/L	Grab	Quarterly				
Cadmium, Total Recoverable	01113			Report	ug/L	Grab	Quarterly				
Calcium, Total Recoverable	00918			Report	mg/L	Grab	Quarterly				
Chloride	00940			Report	mg/L	Grab	Quarterly				
Chromium, Total Recoverable	01118			Report	ug/L	Grab	Quarterly				
Cobalt, Total Recoverable	00979			Report	ug/L	Grab	Quarterly				
Color	00080			Report	PCU	Grab	Quarterly				
Copper, Total Recoverable	01119			Report	ug/L	Grab	Quarterly				
Dissovled Oxygen	00300			Report	mg/L	In-situ	Quarterly				
Gross Alpha	80045			Report	pCi/L	Grab	Quarterly				
Iron, Total Recoverable	00980			Report	ug/L	Grab	Quarterly				
Lead, Total Recoverable	01114			Report	ug/L	Grab	Quarterly				
Magnesium, Total Recoverable	00921			Report	mg/L	Grab	Quarterly				
Manganese, Total Recoverable	11123			Report	ug/L	Grab	Quarterly				
Mercury, Total Recoverable	71901			Report	ug/L	Grab	Quarterly				
Molybdenum, Total Recoverable	01129			Report	ug/L	Grab	Quarterly				
Nickel, Total Recoverable	01074			Report	ug/L	Grab	Quarterly				
Nitrite+Nitrate (as N)	00630			Report	mg/L	Grab	Quarterly				
pH (field)	00400			Report	SU	In-situ	Quarterly				
Potassium, Total	00937			Report	mg/L	Grab	Quarterly				
Redox Potential (ORP)	00090			Report	mV	Grab	Quarterly				
Selenium, Total Recoverable	00981			Report	ug/L	Grab	Quarterly				

GROUNDWATER MONITORING WELL REPORT - PART D

Facility Name: GRU Deerhaven Power Plant
 Permit Number: FLA017161 (PA74-04) (SW ID# 97682)
 County: Alachua

Monitoring Well ID: MWI-3-7 (R3T7)
 Well Type: Intermediate
 Description: SW side of the Coal Pile Storage Area, about 250' NE of Pond #3.

Monitoring Period: From: _____ To: _____

Date Sample Obtained: _____

Was the well purged before sampling? ☐ Yes ☐ No

Time Sample Obtained: _____

(Continued)

Parameter	PARM Code	Sample Measurement	Qualifier	Permit Requirement	Units	Sample Type	Monitoring Frequency	Detection Limits (MDL)	Analysis Method	Sampling Equipment Used	Samples Filtered (L/F/N)
Silver, Total Recoverable	01079			Report	ug/L	Grab	Quarterly				
Sodium	00923			Report	mg/L	Grab	Quarterly				
Specific Conductance (field)	00095			Report	umhos/cm	In-situ	Quarterly				
Strontium, Total Recoverable	01084			Report	ug/L	Grab	Quarterly				
Sulfate	00945			Report	mg/L	Grab	Quarterly				
Temperature	00010			Report	°C	In-situ	Quarterly				
Total Dissolved Solids	70295			Report	mg/L	Grab	Quarterly				
Total Organic Carbon	00680			Report	mg/L	Grab	Quarterly				
Total Suspended Solids	00530			Report	mg/L	Grab	Quarterly				
Turbidity	00070			Report	NTU	In-situ	Quarterly				
Vanadium, Total Recoverable	01128			Report	ug/L	Grab	Quarterly				
Water Level (NGVD)	82545			Report	Feet	In-situ	Quarterly				
Zinc, Total Recoverable	01094			Report	ug/L	Grab	Quarterly				

COMMENTS AND EXPLANATION (Reference all attachments here):

GROUNDWATER MONITORING WELL REPORT - PART D

Facility Name: GRU Deerhaven Power Plant
 Permit Number: FLA017161 (PA74-04) (SW ID# 97682)
 County: Alachua

Monitoring Well ID: MWI-4-5 (R4T5B)
 Well Type: Intermediate
 Description: SE side of the Ash Ponds.

Monitoring Period: From: _____ To: _____

Date Sample Obtained: _____

Was the well purged before sampling? ☐ Yes ☐ No

Time Sample Obtained: _____

Parameter	PARM Code	Sample Measurement	Qualifier	Permit Requirement	Units	Sample Type	Monitoring Frequency	Detection Limits (MDL)	Analysis Method	Sampling Equipment Used	Samples Filtered (L/F/N)
Aluminum, Total Recoverable	01104			Report	ug/L	Grab	Quarterly				
Arsenic, Total Recoverable	00978			Report	ug/L	Grab	Quarterly				
Barium, Total Recoverable	01009			Report	ug/L	Grab	Quarterly				
Beryllium, Total Recoverable	00998			Report	ug/L	Grab	Quarterly				
Cadmium, Total Recoverable	01113			Report	ug/L	Grab	Quarterly				
Calcium, Total Recoverable	00918			Report	mg/L	Grab	Quarterly				
Chloride	00940			Report	mg/L	Grab	Quarterly				
Chromium, Total Recoverable	01118			Report	ug/L	Grab	Quarterly				
Cobalt, Total Recoverable	00979			Report	ug/L	Grab	Quarterly				
Color	00080			Report	PCU	Grab	Quarterly				
Copper, Total Recoverable	01119			Report	ug/L	Grab	Quarterly				
Dissovled Oxygen	00300			Report	mg/L	In-situ	Quarterly				
Gross Alpha	80045			Report	pCi/L	Grab	Quarterly				
Iron, Total Recoverable	00980			Report	ug/L	Grab	Quarterly				
Lead, Total Recoverable	01114			Report	ug/L	Grab	Quarterly				
Magnesium, Total Recoverable	00921			Report	mg/L	Grab	Quarterly				
Manganese, Total Recoverable	11123			Report	ug/L	Grab	Quarterly				
Mercury, Total Recoverable	71901			Report	ug/L	Grab	Quarterly				
Molybdenum, Total Recoverable	01129			Report	ug/L	Grab	Quarterly				
Nickel, Total Recoverable	01074			Report	ug/L	Grab	Quarterly				
Nitrite+Nitrate (as N)	00630			Report	mg/L	Grab	Quarterly				
pH (field)	00400			Report	SU	In-situ	Quarterly				
Potassium, Total	00937			Report	mg/L	Grab	Quarterly				
Redox Potential (ORP)	00090			Report	mV	Grab	Quarterly				
Selenium, Total Recoverable	00981			Report	ug/L	Grab	Quarterly				

GROUNDWATER MONITORING WELL REPORT - PART D

Facility Name: GRU Deerhaven Power Plant
 Permit Number: FLA017161 (PA74-04) (SW ID# 97682)
 County: Alachua

Monitoring Well ID: MWI-4-5 (R4T5B)
 Well Type: Intermediate
 Description: SE side of the Ash Ponds.

Monitoring Period: From: _____ To: _____

Date Sample Obtained: _____

Was the well purged before sampling? ☐ Yes ☐ No

Time Sample Obtained: _____

(Continued)

Parameter	PARM Code	Sample Measurement	Qualifier	Permit Requirement	Units	Sample Type	Monitoring Frequency	Detection Limits (MDL)	Analysis Method	Sampling Equipment Used	Samples Filtered (L/F/N)
Silver, Total Recoverable	01079			Report	ug/L	Grab	Quarterly				
Sodium	00923			Report	mg/L	Grab	Quarterly				
Specific Conductance (field)	00095			Report	umhos/cm	In-situ	Quarterly				
Strontium, Total Recoverable	01084			Report	ug/L	Grab	Quarterly				
Sulfate	00945			Report	mg/L	Grab	Quarterly				
Temperature	00010			Report	°C	In-situ	Quarterly				
Total Dissolved Solids	70295			Report	mg/L	Grab	Quarterly				
Total Organic Carbon	00680			Report	mg/L	Grab	Quarterly				
Total Suspended Solids	00530			Report	mg/L	Grab	Quarterly				
Turbidity	00070			Report	NTU	In-situ	Quarterly				
Vanadium, Total Recoverable	01128			Report	ug/L	Grab	Quarterly				
Water Level (NGVD)	82545			Report	Feet	In-situ	Quarterly				
Zinc, Total Recoverable	01094			Report	ug/L	Grab	Quarterly				

COMMENTS AND EXPLANATION (Reference all attachments here):

GROUNDWATER MONITORING WELL REPORT - PART D

Facility Name: GRU Deerhaven Power Plant
 Permit Number: FLA017161 (PA74-04) (SW ID# 97682)
 County: Alachua

Monitoring Well ID: MWD-6-1 (R6T1B)
 Well Type: Site Boundary
 Description: NW of Secure Landfill, along northern property line.

Monitoring Period: From: _____ To: _____

Date Sample Obtained: _____

Was the well purged before sampling? ☐ Yes ☐ No

Time Sample Obtained: _____

Parameter	PARM Code	Sample Measurement	Qualifier	Permit Requirement	Units	Sample Type	Monitoring Frequency	Detection Limits (MDL)	Analysis Method	Sampling Equipment Used	Samples Filtered (L/F/N)
Aluminum, Total Recoverable	01104			Report	ug/L	Grab	Quarterly				
Arsenic, Total Recoverable	00978			Report	ug/L	Grab	Quarterly				
Barium, Total Recoverable	01009			Report	ug/L	Grab	Quarterly				
Beryllium, Total Recoverable	00998			Report	ug/L	Grab	Quarterly				
Cadmium, Total Recoverable	01113			Report	ug/L	Grab	Quarterly				
Calcium, Total Recoverable	00918			Report	mg/L	Grab	Quarterly				
Chloride	00940			Report	mg/L	Grab	Quarterly				
Chromium, Total Recoverable	01118			Report	ug/L	Grab	Quarterly				
Cobalt, Total Recoverable	00979			Report	ug/L	Grab	Quarterly				
Color	00080			Report	PCU	Grab	Quarterly				
Copper, Total Recoverable	01119			Report	ug/L	Grab	Quarterly				
Dissovled Oxygen	00300			Report	mg/L	In-situ	Quarterly				
Gross Alpha	80045			Report	pCi/L	Grab	Quarterly				
Iron, Total Recoverable	00980			Report	ug/L	Grab	Quarterly				
Lead, Total Recoverable	01114			Report	ug/L	Grab	Quarterly				
Magnesium, Total Recoverable	00921			Report	mg/L	Grab	Quarterly				
Manganese, Total Recoverable	11123			Report	ug/L	Grab	Quarterly				
Mercury, Total Recoverable	71901			Report	ug/L	Grab	Quarterly				
Molybdenum, Total Recoverable	01129			Report	ug/L	Grab	Quarterly				
Nickel, Total Recoverable	01074			Report	ug/L	Grab	Quarterly				
Nitrite+Nitrate (as N)	00630			Report	mg/L	Grab	Quarterly				
pH (field)	00400			Report	SU	In-situ	Quarterly				
Potassium, Total	00937			Report	mg/L	Grab	Quarterly				
Redox Potential (ORP)	00090			Report	mV	Grab	Quarterly				
Selenium, Total Recoverable	00981			Report	ug/L	Grab	Quarterly				

GROUNDWATER MONITORING WELL REPORT - PART D

Facility Name: GRU Deerhaven Power Plant
Permit Number: FLA017161 (PA74-04) (SW ID# 97682)
County: Alachua

Monitoring Well ID: MWD-6-1 (R6T1B)
Well Type: Site Boundary
Description: NW of Secure Landfill, along northern property line.

Monitoring Period: From: _____ To: _____

Date Sample Obtained: _____

Was the well purged before sampling? ☐ Yes ☐ No

Time Sample Obtained: _____

(Continued)

Parameter	PARM Code	Sample Measurement	Qualifier	Permit Requirement	Units	Sample Type	Monitoring Frequency	Detection Limits (MDL)	Analysis Method	Sampling Equipment Used	Samples Filtered (L/F/N)
Silver, Total Recoverable	01079			Report	ug/L	Grab	Quarterly				
Sodium	00923			Report	mg/L	Grab	Quarterly				
Specific Conductance (field)	00095			Report	umhos/cm	In-situ	Quarterly				
Strontium, Total Recoverable	01084			Report	ug/L	Grab	Quarterly				
Sulfate	00945			Report	mg/L	Grab	Quarterly				
Temperature	00010			Report	°C	In-situ	Quarterly				
Total Dissolved Solids	70295			Report	mg/L	Grab	Quarterly				
Total Organic Carbon	00680			Report	mg/L	Grab	Quarterly				
Total Suspended Solids	00530			Report	mg/L	Grab	Quarterly				
Turbidity	00070			Report	NTU	In-situ	Quarterly				
Vanadium, Total Recoverable	01128			Report	ug/L	Grab	Quarterly				
Water Level (NGVD)	82545			Report	Feet	In-situ	Quarterly				
Zinc, Total Recoverable	01094			Report	ug/L	Grab	Quarterly				

COMMENTS AND EXPLANATION (Reference all attachments here):

GROUNDWATER MONITORING WELL REPORT - PART D

Facility Name: GRU Deerhaven Power Plant
 Permit Number: FLA017161 (PA74-04) (SW ID# 97682)
 County: Alachua

Monitoring Well ID: MWI-6-4 (R6T4B)
 Well Type: Intermediate
 Description: South side of the Secure Landfill.

Monitoring Period: From: _____ To: _____

Date Sample Obtained: _____

Was the well purged before sampling? ☐ Yes ☐ No

Time Sample Obtained: _____

Parameter	PARM Code	Sample Measurement	Qualifier	Permit Requirement	Units	Sample Type	Monitoring Frequency	Detection Limits (MDL)	Analysis Method	Sampling Equipment Used	Samples Filtered (L/F/N)
Aluminum, Total Recoverable	01104			Report	ug/L	Grab	Quarterly				
Arsenic, Total Recoverable	00978			Report	ug/L	Grab	Quarterly				
Barium, Total Recoverable	01009			Report	ug/L	Grab	Quarterly				
Beryllium, Total Recoverable	00998			Report	ug/L	Grab	Quarterly				
Cadmium, Total Recoverable	01113			Report	ug/L	Grab	Quarterly				
Calcium, Total Recoverable	00918			Report	mg/L	Grab	Quarterly				
Chloride	00940			Report	mg/L	Grab	Quarterly				
Chromium, Total Recoverable	01118			Report	ug/L	Grab	Quarterly				
Cobalt, Total Recoverable	00979			Report	ug/L	Grab	Quarterly				
Color	00080			Report	PCU	Grab	Quarterly				
Copper, Total Recoverable	01119			Report	ug/L	Grab	Quarterly				
Dissovled Oxygen	00300			Report	mg/L	In-situ	Quarterly				
Gross Alpha	80045			Report	pCi/L	Grab	Quarterly				
Iron, Total Recoverable	00980			Report	ug/L	Grab	Quarterly				
Lead, Total Recoverable	01114			Report	ug/L	Grab	Quarterly				
Magnesium, Total Recoverable	00921			Report	mg/L	Grab	Quarterly				
Manganese, Total Recoverable	11123			Report	ug/L	Grab	Quarterly				
Mercury, Total Recoverable	71901			Report	ug/L	Grab	Quarterly				
Molybdenum, Total Recoverable	01129			Report	ug/L	Grab	Quarterly				
Nickel, Total Recoverable	01074			Report	ug/L	Grab	Quarterly				
Nitrite+Nitrate (as N)	00630			Report	mg/L	Grab	Quarterly				
pH (field)	00400			Report	SU	In-situ	Quarterly				
Potassium, Total	00937			Report	mg/L	Grab	Quarterly				
Redox Potential (ORP)	00090			Report	mV	Grab	Quarterly				
Selenium, Total Recoverable	00981			Report	ug/L	Grab	Quarterly				

GROUNDWATER MONITORING WELL REPORT - PART D

Facility Name: GRU Deerhaven Power Plant
 Permit Number: FLA017161 (PA74-04) (SW ID# 97682)
 County: Alachua

Monitoring Well ID: MWI-6-4 (R6T4B)
 Well Type: Intermediate
 Description: South side of the Secure Landfill.

Monitoring Period: From: _____ To: _____

Date Sample Obtained: _____

Was the well purged before sampling? ☐ Yes ☐ No

Time Sample Obtained: _____

(Continued)

Parameter	PARM Code	Sample Measurement	Qualifier	Permit Requirement	Units	Sample Type	Monitoring Frequency	Detection Limits (MDL)	Analysis Method	Sampling Equipment Used	Samples Filtered (L/F/N)
Silver, Total Recoverable	01079			Report	ug/L	Grab	Quarterly				
Sodium	00923			Report	mg/L	Grab	Quarterly				
Specific Conductance (field)	00095			Report	umhos/cm	In-situ	Quarterly				
Strontium, Total Recoverable	01084			Report	ug/L	Grab	Quarterly				
Sulfate	00945			Report	mg/L	Grab	Quarterly				
Temperature	00010			Report	°C	In-situ	Quarterly				
Total Dissolved Solids	70295			Report	mg/L	Grab	Quarterly				
Total Organic Carbon	00680			Report	mg/L	Grab	Quarterly				
Total Suspended Solids	00530			Report	mg/L	Grab	Quarterly				
Turbidity	00070			Report	NTU	In-situ	Quarterly				
Vanadium, Total Recoverable	01128			Report	ug/L	Grab	Quarterly				
Water Level (NGVD)	82545			Report	Feet	In-situ	Quarterly				
Zinc, Total Recoverable	01094			Report	ug/L	Grab	Quarterly				

COMMENTS AND EXPLANATION (Reference all attachments here):

GROUNDWATER MONITORING WELL REPORT - PART D

Facility Name: GRU Deerhaven Power Plant
 Permit Number: FLA017161 (PA74-04) (SW ID# 97682)
 County: Alachua

Monitoring Well ID: MWI-6-8 (R6T8B)
 Well Type: Intermediate
 Description: About 350' east of Pond #1, and SW of Coal Pile Storage Area.

Monitoring Period: From: _____ To: _____

Date Sample Obtained: _____

Was the well purged before sampling? ☐ Yes ☐ No

Time Sample Obtained: _____

Parameter	PARM Code	Sample Measurement	Qualifier	Permit Requirement	Units	Sample Type	Monitoring Frequency	Detection Limit (MDL)	Analysis Method	Sampling Equipment Used	Samples Filtered (L/F/N)
Aluminum, Total Recoverable	01104			Report	ug/L	Grab	Quarterly				
Arsenic, Total Recoverable	00978			Report	ug/L	Grab	Quarterly				
Barium, Total Recoverable	01009			Report	ug/L	Grab	Quarterly				
Beryllium, Total Recoverable	00998			Report	ug/L	Grab	Quarterly				
Cadmium, Total Recoverable	01113			Report	ug/L	Grab	Quarterly				
Calcium, Total Recoverable	00918			Report	mg/L	Grab	Quarterly				
Chloride	00940			Report	mg/L	Grab	Quarterly				
Chromium, Total Recoverable	01118			Report	ug/L	Grab	Quarterly				
Cobalt, Total Recoverable	00979			Report	ug/L	Grab	Quarterly				
Color	00080			Report	PCU	Grab	Quarterly				
Copper, Total Recoverable	01119			Report	ug/L	Grab	Quarterly				
Dissovled Oxygen	00300			Report	mg/L	In-situ	Quarterly				
Gross Alpha	80045			Report	pCi/L	Grab	Quarterly				
Iron, Total Recoverable	00980			Report	ug/L	Grab	Quarterly				
Lead, Total Recoverable	01114			Report	ug/L	Grab	Quarterly				
Magnesium, Total Recoverable	00921			Report	mg/L	Grab	Quarterly				
Manganese, Total Recoverable	11123			Report	ug/L	Grab	Quarterly				
Mercury, Total Recoverable	71901			Report	ug/L	Grab	Quarterly				
Molybdenum, Total Recoverable	01129			Report	ug/L	Grab	Quarterly				
Nickel, Total Recoverable	01074			Report	ug/L	Grab	Quarterly				
Nitrite+Nitrate (as N)	00630			Report	mg/L	Grab	Quarterly				
pH (field)	00400			Report	SU	In-situ	Quarterly				
Potassium, Total	00937			Report	mg/L	Grab	Quarterly				
Redox Potential (ORP)	00090			Report	mV	Grab	Quarterly				
Selenium, Total Recoverable	00981			Report	ug/L	Grab	Quarterly				

GROUNDWATER MONITORING WELL REPORT - PART D

Facility Name: GRU Deerhaven Power Plant
 Permit Number: FLA017161 (PA74-04) (SW ID# 97682)
 County: Alachua

Monitoring Well ID: MWI-6-8 (R6T8B)
 Well Type: Intermediate
 Description: About 350' east of Pond #1, and SW of Coal Pile Storage Area.

Monitoring Period: From: _____ To: _____

Date Sample Obtained: _____

Was the well purged before sampling? ☐ Yes ☐ No

Time Sample Obtained: _____

(Continued)

Parameter	PARM Code	Sample Measurement	Qualifier	Permit Requirement	Units	Sample Type	Monitoring Frequency	Detection Limits (MDL)	Analysis Method	Sampling Equipment Used	Samples Filtered (L/F/N)
Silver, Total Recoverable	01079			Report	ug/L	Grab	Quarterly				
Sodium	00923			Report	mg/L	Grab	Quarterly				
Specific Conductance (field)	00095			Report	umhos/cm	In-situ	Quarterly				
Strontium, Total Recoverable	01084			Report	ug/L	Grab	Quarterly				
Sulfate	00945			Report	mg/L	Grab	Quarterly				
Temperature	00010			Report	°C	In-situ	Quarterly				
Total Dissolved Solids	70295			Report	mg/L	Grab	Quarterly				
Total Organic Carbon	00680			Report	mg/L	Grab	Quarterly				
Total Suspended Solids	00530			Report	mg/L	Grab	Quarterly				
Turbidity	00070			Report	NTU	In-situ	Quarterly				
Vanadium, Total Recoverable	01128			Report	ug/L	Grab	Quarterly				
Water Level (NGVD)	82545			Report	Feet	In-situ	Quarterly				
Zinc, Total Recoverable	01094			Report	ug/L	Grab	Quarterly				

COMMENTS AND EXPLANATION (Reference all attachments here):

GROUNDWATER MONITORING WELL REPORT - PART D

Facility Name: GRU Deerhaven Power Plant
 Permit Number: FLA017161 (PA74-04) (SW ID# 97682)
 County: Alachua

Monitoring Well ID: MWD-6-12 (R6T12)
 Well Type: Site Boundary
 Description: Due west of Pond #4, and SW of Coal Pile Storage Area.

Monitoring Period: From: _____ To: _____

Date Sample Obtained: _____

Was the well purged before sampling? ☐ Yes ☐ No

Time Sample Obtained: _____

Parameter	PARM Code	Sample Measurement	Qualifier	Permit Requirement	Units	Sample Type	Monitoring Frequency	Detection Limits (MDL)	Analysis Method	Sampling Equipment Used	Samples Filtered (L/F/N)
Aluminum, Total Recoverable	01104			Report	ug/L	Grab	Quarterly				
Arsenic, Total Recoverable	00978			Report	ug/L	Grab	Quarterly				
Barium, Total Recoverable	01009			Report	ug/L	Grab	Quarterly				
Beryllium, Total Recoverable	00998			Report	ug/L	Grab	Quarterly				
Cadmium, Total Recoverable	01113			Report	ug/L	Grab	Quarterly				
Calcium, Total Recoverable	00918			Report	mg/L	Grab	Quarterly				
Chloride	00940			Report	mg/L	Grab	Quarterly				
Chromium, Total Recoverable	01118			Report	ug/L	Grab	Quarterly				
Cobalt, Total Recoverable	00979			Report	ug/L	Grab	Quarterly				
Color	00080			Report	PCU	Grab	Quarterly				
Copper, Total Recoverable	01119			Report	ug/L	Grab	Quarterly				
Dissovled Oxygen	00300			Report	mg/L	In-situ	Quarterly				
Gross Alpha	80045			Report	pCi/L	Grab	Quarterly				
Iron, Total Recoverable	00980			Report	ug/L	Grab	Quarterly				
Lead, Total Recoverable	01114			Report	ug/L	Grab	Quarterly				
Magnesium, Total Recoverable	00921			Report	mg/L	Grab	Quarterly				
Manganese, Total Recoverable	11123			Report	ug/L	Grab	Quarterly				
Mercury, Total Recoverable	71901			Report	ug/L	Grab	Quarterly				
Molybdenum, Total Recoverable	01129			Report	ug/L	Grab	Quarterly				
Nickel, Total Recoverable	01074			Report	ug/L	Grab	Quarterly				
Nitrite+Nitrate (as N)	00630			Report	mg/L	Grab	Quarterly				
pH (field)	00400			Report	SU	In-situ	Quarterly				
Potassium, Total	00937			Report	mg/L	Grab	Quarterly				
Redox Potential (ORP)	00090			Report	mV	Grab	Quarterly				
Selenium, Total Recoverable	00981			Report	ug/L	Grab	Quarterly				

GROUNDWATER MONITORING WELL REPORT - PART D

Facility Name: GRU Deerhaven Power Plant
 Permit Number: FLA017161 (PA74-04) (SW ID# 97682)
 County: Alachua

Monitoring Well ID: MWD-6-12 (R6T12)
 Well Type: Site Boundary
 Description: Due west of Pond #4, and SW of Coal Pile Storage Area.

Monitoring Period: From: _____ To: _____

Date Sample Obtained: _____

Was the well purged before sampling? ☐ Yes ☐ No

Time Sample Obtained: _____

(Continued)

Parameter	PARM Code	Sample Measurement	Qualifier	Permit Requirement	Units	Sample Type	Monitoring Frequency	Detection Limits (MDL)	Analysis Method	Sampling Equipment Used	Samples Filtered (L/F/N)
Silver, Total Recoverable	01079			Report	ug/L	Grab	Quarterly				
Sodium	00923			Report	mg/L	Grab	Quarterly				
Specific Conductance (field)	00095			Report	umhos/cm	In-situ	Quarterly				
Strontium, Total Recoverable	01084			Report	ug/L	Grab	Quarterly				
Sulfate	00945			Report	mg/L	Grab	Quarterly				
Temperature	00010			Report	°C	In-situ	Quarterly				
Total Dissolved Solids	70295			Report	mg/L	Grab	Quarterly				
Total Organic Carbon	00680			Report	mg/L	Grab	Quarterly				
Total Suspended Solids	00530			Report	mg/L	Grab	Quarterly				
Turbidity	00070			Report	NTU	In-situ	Quarterly				
Vanadium, Total Recoverable	01128			Report	ug/L	Grab	Quarterly				
Water Level (NGVD)	82545			Report	Feet	In-situ	Quarterly				
Zinc, Total Recoverable	01094			Report	ug/L	Grab	Quarterly				

COMMENTS AND EXPLANATION (Reference all attachments here):

GROUNDWATER MONITORING WELL REPORT - PART D

Facility Name: GRU Deerhaven Power Plant
 Permit Number: FLA017161 (PA74-04) (SW ID# 97682)
 County: Alachua

Monitoring Well ID: MWC-8-10 (R8T10)
 Well Type: Compliance
 Description: SW of Coal Pile Storage Area, along SR 441.

Monitoring Period: From: _____ To: _____

Date Sample Obtained: _____

Was the well purged before sampling? ☐ Yes ☐ No

Time Sample Obtained: _____

Parameter	PARM Code	Sample Measurement	Qualifier	Permit Requirement	Units	Sample Type	Monitoring Frequency	Detection Limits (MDL)	Analysis Method	Sampling Equipment Used	Samples Filtered (L/F/N)
Aluminum, Total Recoverable	01104			Report	ug/L	Grab	Quarterly				
Arsenic, Total Recoverable	00978			10	ug/L	Grab	Quarterly				
Barium, Total Recoverable	01009			2000	ug/L	Grab	Quarterly				
Beryllium, Total Recoverable	00998			4	ug/L	Grab	Quarterly				
Cadmium, Total Recoverable	01113			5	ug/L	Grab	Quarterly				
Calcium, Total Recoverable	00918			Report	mg/L	Grab	Quarterly				
Chloride	00940			Report	mg/L	Grab	Quarterly				
Chromium, Total Recoverable	01118			100	ug/L	Grab	Quarterly				
Cobalt, Total Recoverable	00979			Report	ug/L	Grab	Quarterly				
Color	00080			Report	PCU	Grab	Quarterly				
Copper, Total Recoverable	01119			Report	ug/L	Grab	Quarterly				
Dissovled Oxygen	00300			Report	mg/L	In-situ	Quarterly				
Gross Alpha	80045			15	pCi/L	Grab	Quarterly				
Iron, Total Recoverable	00980			Report	ug/L	Grab	Quarterly				
Lead, Total Recoverable	01114			15	ug/L	Grab	Quarterly				
Magnesium, Total Recoverable	00921			Report	mg/L	Grab	Quarterly				
Manganese, Total Recoverable	11123			Report	ug/L	Grab	Quarterly				
Mercury, Total Recoverable	71901			2	ug/L	Grab	Quarterly				
Molybdenum, Total Recoverable	01129			Report	ug/L	Grab	Quarterly				
Nickel, Total Recoverable	01074			100	ug/L	Grab	Quarterly				
Nitrite+Nitrate (as N)	00630			10	mg/L	Grab	Quarterly				
pH (field)	00400			Report	SU	In-situ	Quarterly				
Potassium, Total	00937			Report	mg/L	Grab	Quarterly				
Redox Potential (ORP)	00090			Report	mV	Grab	Quarterly				
Selenium, Total Recoverable	00981			50	ug/L	Grab	Quarterly				

GROUNDWATER MONITORING WELL REPORT - PART D

Facility Name: GRU Deerhaven Power Plant
 Permit Number: FLA017161 (PA74-04) (SW ID# 97682)
 County: Alachua

Monitoring Well ID: MWC-8-10 (R8T10)
 Well Type: Compliance
 Description: SW of Coal Pile Storage Area, along SR 441.

Monitoring Period: From: _____ To: _____

Date Sample Obtained: _____

Was the well purged before sampling? ☐ Yes ☐ No

Time Sample Obtained: _____

(Continued)

Parameter	PARM Code	Sample Measurement	Qualifier	Permit Requirement	Units	Sample Type	Monitoring Frequency	Detection Limits (MDL)	Analysis Method	Sampling Equipment Used	Samples Filtered (L/F/N)
Silver, Total Recoverable	01079			Report	ug/L	Grab	Quarterly				
Sodium	00923			160	mg/L	Grab	Quarterly				
Specific Conductance (field)	00095			Report	umhos/cm	In-situ	Quarterly				
Strontium, Total Recoverable	01084			Report	ug/L	Grab	Quarterly				
Sulfate	00945			Report	mg/L	Grab	Quarterly				
Temperature	00010			Report	°C	In-situ	Quarterly				
Total Dissolved Solids	70295			Report	mg/L	Grab	Quarterly				
Total Organic Carbon	00680			Report	mg/L	Grab	Quarterly				
Total Suspended Solids	00530			Report	mg/L	Grab	Quarterly				
Turbidity	00070			Report	NTU	In-situ	Quarterly				
Vanadium, Total Recoverable	01128			Report	ug/L	Grab	Quarterly				
Water Level (NGVD)	82545			Report	Feet	In-situ	Quarterly				
Zinc, Total Recoverable	01094			Report	ug/L	Grab	Quarterly				

COMMENTS AND EXPLANATION (Reference all attachments here):

GROUNDWATER MONITORING WELL REPORT - PART D

Facility Name: GRU Deerhaven Power Plant
 Permit Number: FLA017161 (PA74-04) (SW ID# 97682)
 County: Alachua

Monitoring Well ID: MWI-9-5 (R9T5B)
 Well Type: Intermediate
 Description: NW corner of Ash Landfill.

Monitoring Period: From: _____ To: _____

Date Sample Obtained: _____

Was the well purged before sampling? ☐ Yes ☐ No

Time Sample Obtained: _____

Parameter	PARM Code	Sample Measurement	Qualifier	Permit Requirement	Units	Sample Type	Monitoring Frequency	Detection Limits (MDL)	Analysis Method	Sampling Equipment Used	Samples Filtered (L/F/N)
Aluminum, Total Recoverable	01104			Report	ug/L	Grab	Quarterly				
Arsenic, Total Recoverable	00978			Report	ug/L	Grab	Quarterly				
Barium, Total Recoverable	01009			Report	ug/L	Grab	Quarterly				
Beryllium, Total Recoverable	00998			Report	ug/L	Grab	Quarterly				
Cadmium, Total Recoverable	01113			Report	ug/L	Grab	Quarterly				
Calcium, Total Recoverable	00918			Report	mg/L	Grab	Quarterly				
Chloride	00940			Report	mg/L	Grab	Quarterly				
Chromium, Total Recoverable	01118			Report	ug/L	Grab	Quarterly				
Cobalt, Total Recoverable	00979			Report	ug/L	Grab	Quarterly				
Color	00080			Report	PCU	Grab	Quarterly				
Copper, Total Recoverable	01119			Report	ug/L	Grab	Quarterly				
Dissovled Oxygen	00300			Report	mg/L	In-situ	Quarterly				
Gross Alpha	80045			Report	pCi/L	Grab	Quarterly				
Iron, Total Recoverable	00980			Report	ug/L	Grab	Quarterly				
Lead, Total Recoverable	01114			Report	ug/L	Grab	Quarterly				
Magnesium, Total Recoverable	00921			Report	mg/L	Grab	Quarterly				
Manganese, Total Recoverable	11123			Report	ug/L	Grab	Quarterly				
Mercury, Total Recoverable	71901			Report	ug/L	Grab	Quarterly				
Molybdenum, Total Recoverable	01129			Report	ug/L	Grab	Quarterly				
Nickel, Total Recoverable	01074			Report	ug/L	Grab	Quarterly				
Nitrite+Nitrate (as N)	00630			Report	mg/L	Grab	Quarterly				
pH (field)	00400			Report	SU	In-situ	Quarterly				
Potassium, Total	00937			Report	mg/L	Grab	Quarterly				
Redox Potential (ORP)	00090			Report	mV	Grab	Quarterly				
Selenium, Total Recoverable	00981			Report	ug/L	Grab	Quarterly				

GROUNDWATER MONITORING WELL REPORT - PART D

Facility Name: GRU Deerhaven Power Plant
 Permit Number: FLA017161 (PA74-04) (SW ID# 97682)
 County: Alachua

Monitoring Well ID: MWI-9-5 (R9T5B)
 Well Type: Intermediate
 Description: NW corner of Ash Landfill.

Monitoring Period: From: _____ To: _____

Date Sample Obtained: _____

Was the well purged before sampling? ☐ Yes ☐ No

Time Sample Obtained: _____

(Continued)

Parameter	PARM Code	Sample Measurement	Qualifier	Permit Requirement	Units	Sample Type	Monitoring Frequency	Detection Limits (MDL)	Analysis Method	Sampling Equipment Used	Samples Filtered (L/F/N)
Silver, Total Recoverable	01079			Report	ug/L	Grab	Quarterly				
Sodium	00923			Report	mg/L	Grab	Quarterly				
Specific Conductance (field)	00095			Report	umhos/cm	In-situ	Quarterly				
Strontium, Total Recoverable	01084			Report	ug/L	Grab	Quarterly				
Sulfate	00945			Report	mg/L	Grab	Quarterly				
Temperature	00010			Report	°C	In-situ	Quarterly				
Total Dissolved Solids	70295			Report	mg/L	Grab	Quarterly				
Total Organic Carbon	00680			Report	mg/L	Grab	Quarterly				
Total Suspended Solids	00530			Report	mg/L	Grab	Quarterly				
Turbidity	00070			Report	NTU	In-situ	Quarterly				
Vanadium, Total Recoverable	01128			Report	ug/L	Grab	Quarterly				
Water Level (NGVD)	82545			Report	Feet	In-situ	Quarterly				
Zinc, Total Recoverable	01094			Report	ug/L	Grab	Quarterly				

COMMENTS AND EXPLANATION (Reference all attachments here):

GROUNDWATER MONITORING WELL REPORT - PART D

Facility Name: GRU Deerhaven Power Plant
 Permit Number: FLA017161 (PA74-04) (SW ID# 97682)
 County: Alachua

Monitoring Well ID: MWC-10-8 (R10T8)
 Well Type: Compliance
 Description: SW of Pond #1, SSW of Ash Landfill, along SR-441

Monitoring Period: From: _____ To: _____

Date Sample Obtained: _____

Was the well purged before sampling? ☐ Yes ☐ No

Time Sample Obtained: _____

Parameter	PARM Code	Sample Measurement	Qualifier	Permit Requirement	Units	Sample Type	Monitoring Frequency	Detection Limits (MDL)	Analysis Method	Sampling Equipment Used	Samples Filtered (L/F/N)
Aluminum, Total Recoverable	01104			Report	ug/L	Grab	Quarterly				
Arsenic, Total Recoverable	00978			10	ug/L	Grab	Quarterly				
Barium, Total Recoverable	01009			2000	ug/L	Grab	Quarterly				
Beryllium, Total Recoverable	00998			4	ug/L	Grab	Quarterly				
Cadmium, Total Recoverable	01113			5	ug/L	Grab	Quarterly				
Calcium, Total Recoverable	00918			Report	mg/L	Grab	Quarterly				
Chloride	00940			Report	mg/L	Grab	Quarterly				
Chromium, Total Recoverable	01118			100	ug/L	Grab	Quarterly				
Cobalt, Total Recoverable	00979			Report	ug/L	Grab	Quarterly				
Color	00080			Report	PCU	Grab	Quarterly				
Copper, Total Recoverable	01119			Report	ug/L	Grab	Quarterly				
Dissovled Oxygen	00300			Report	mg/L	In-situ	Quarterly				
Gross Alpha	80045			15	pCi/L	Grab	Quarterly				
Iron, Total Recoverable	00980			Report	ug/L	Grab	Quarterly				
Lead, Total Recoverable	01114			15	ug/L	Grab	Quarterly				
Magnesium, Total Recoverable	00921			Report	mg/L	Grab	Quarterly				
Manganese, Total Recoverable	11123			Report	ug/L	Grab	Quarterly				
Mercury, Total Recoverable	71901			2	ug/L	Grab	Quarterly				
Molybdenum, Total Recoverable	01129			Report	ug/L	Grab	Quarterly				
Nickel, Total Recoverable	01074			100	ug/L	Grab	Quarterly				
Nitrite+Nitrate (as N)	00630			10	mg/L	Grab	Quarterly				
pH (field)	00400			Report	SU	In-situ	Quarterly				
Potassium, Total	00937			Report	mg/L	Grab	Quarterly				
Redox Potential (ORP)	00090			Report	mV	Grab	Quarterly				
Selenium, Total Recoverable	00981			50	ug/L	Grab	Quarterly				

GROUNDWATER MONITORING WELL REPORT - PART D

Facility Name: GRU Deerhaven Power Plant
 Permit Number: FLA017161 (PA74-04) (SW ID# 97682)
 County: Alachua

Monitoring Well ID: MWC-10-8 (R10T8)
 Well Type: Compliance
 Description: SW of Pond #1, SSW of Ash Landfill, along SR-441

Monitoring Period: From: _____ To: _____

Date Sample Obtained: _____

Was the well purged before sampling? ☐ Yes ☐ No

Time Sample Obtained: _____

(Continued)

Parameter	PARM Code	Sample Measurement	Qualifier	Permit Requirement	Units	Sample Type	Monitoring Frequency	Detection Limits (MDL)	Analysis Method	Sampling Equipment Used	Samples Filtered (L/F/N)
Silver, Total Recoverable	01079			Report	ug/L	Grab	Quarterly				
Sodium	00923			160	mg/L	Grab	Quarterly				
Specific Conductance (field)	00095			Report	umhos/cm	In-situ	Quarterly				
Strontium, Total Recoverable	01084			Report	ug/L	Grab	Quarterly				
Sulfate	00945			Report	mg/L	Grab	Quarterly				
Temperature	00010			Report	°C	In-situ	Quarterly				
Total Dissolved Solids	70295			Report	mg/L	Grab	Quarterly				
Total Organic Carbon	00680			Report	mg/L	Grab	Quarterly				
Total Suspended Solids	00530			Report	mg/L	Grab	Quarterly				
Turbidity	00070			Report	NTU	In-situ	Quarterly				
Vanadium, Total Recoverable	01128			Report	ug/L	Grab	Quarterly				
Water Level (NGVD)	82545			Report	Feet	In-situ	Quarterly				
Zinc, Total Recoverable	01094			Report	ug/L	Grab	Quarterly				

COMMENTS AND EXPLANATION (Reference all attachments here):

GROUNDWATER MONITORING WELL REPORT - PART D

Facility Name: GRU Deerhaven Power Plant
 Permit Number: FLA017161 (PA74-04) (SW ID# 97682)
 County: Alachua

Monitoring Well ID: MWC-11-4 (R11T4B)
 Well Type: Compliance
 Description: West of Ash Landfill, along western property line.

Monitoring Period: From: _____ To: _____

Date Sample Obtained: _____

Was the well purged before sampling? ☐ Yes ☐ No

Time Sample Obtained: _____

Parameter	PARM Code	Sample Measurement	Qualifier	Permit Requirement	Units	Sample Type	Monitoring Frequency	Detection Limits (MDL)	Analysis Method	Sampling Equipment Used	Samples Filtered (L/F/N)
Aluminum, Total Recoverable	01104			Report	ug/L	Grab	Quarterly				
Arsenic, Total Recoverable	00978			10	ug/L	Grab	Quarterly				
Barium, Total Recoverable	01009			2000	ug/L	Grab	Quarterly				
Beryllium, Total Recoverable	00998			4	ug/L	Grab	Quarterly				
Cadmium, Total Recoverable	01113			5	ug/L	Grab	Quarterly				
Calcium, Total Recoverable	00918			Report	mg/L	Grab	Quarterly				
Chloride	00940			Report	mg/L	Grab	Quarterly				
Chromium, Total Recoverable	01118			100	ug/L	Grab	Quarterly				
Cobalt, Total Recoverable	00979			Report	ug/L	Grab	Quarterly				
Color	00080			Report	PCU	Grab	Quarterly				
Copper, Total Recoverable	01119			Report	ug/L	Grab	Quarterly				
Dissovled Oxygen	00300			Report	mg/L	In-situ	Quarterly				
Gross Alpha	80045			15	pCi/L	Grab	Quarterly				
Iron, Total Recoverable	00980			Report	ug/L	Grab	Quarterly				
Lead, Total Recoverable	01114			15	ug/L	Grab	Quarterly				
Magnesium, Total Recoverable	00921			Report	mg/L	Grab	Quarterly				
Manganese, Total Recoverable	11123			Report	ug/L	Grab	Quarterly				
Mercury, Total Recoverable	71901			2	ug/L	Grab	Quarterly				
Molybdenum, Total Recoverable	01129			Report	ug/L	Grab	Quarterly				
Nickel, Total Recoverable	01074			100	ug/L	Grab	Quarterly				
Nitrite+Nitrate (as N)	00630			10	mg/L	Grab	Quarterly				
pH (field)	00400			Report	SU	In-situ	Quarterly				
Potassium, Total	00937			Report	mg/L	Grab	Quarterly				
Redox Potential (ORP)	00090			Report	mV	Grab	Quarterly				
Selenium, Total Recoverable	00981			50	ug/L	Grab	Quarterly				

GROUNDWATER MONITORING WELL REPORT - PART D

Facility Name: GRU Deerhaven Power Plant
 Permit Number: FLA017161 (PA74-04) (SW ID# 97682)
 County: Alachua

Monitoring Well ID: MWC-11-4 (R11T4B)
 Well Type: Compliance
 Description: West of Ash Landfill, along western property line.

Monitoring Period: From: _____ To: _____

Date Sample Obtained: _____

Was the well purged before sampling? ☐ Yes ☐ No

Time Sample Obtained: _____

(Continued)

Parameter	PARM Code	Sample Measurement	Qualifier	Permit Requirement	Units	Sample Type	Monitoring Frequency	Detection Limits (MDL)	Analysis Method	Sampling Equipment Used	Samples Filtered (L/F/N)
Silver, Total Recoverable	01079			Report	ug/L	Grab	Quarterly				
Sodium	00923			160	mg/L	Grab	Quarterly				
Specific Conductance (field)	00095			Report	umhos/cm	In-situ	Quarterly				
Strontium, Total Recoverable	01084			Report	ug/L	Grab	Quarterly				
Sulfate	00945			Report	mg/L	Grab	Quarterly				
Temperature	00010			Report	°C	In-situ	Quarterly				
Total Dissolved Solids	70295			Report	mg/L	Grab	Quarterly				
Total Organic Carbon	00680			Report	mg/L	Grab	Quarterly				
Total Suspended Solids	00530			Report	mg/L	Grab	Quarterly				
Turbidity	00070			Report	NTU	In-situ	Quarterly				
Vanadium, Total Recoverable	01128			Report	ug/L	Grab	Quarterly				
Water Level (NGVD)	82545			Report	Feet	In-situ	Quarterly				
Zinc, Total Recoverable	01094			Report	ug/L	Grab	Quarterly				

COMMENTS AND EXPLANATION (Reference all attachments here):

GROUNDWATER MONITORING WELL REPORT - PART D

Facility Name: GRU Deerhaven Power Plant
 Permit Number: FLA017161 (PA74-04) (SW ID# 97682)
 County: Alachua

Monitoring Well ID: MWC-DEEP (DEEP-1)
 Well Type: Compliance
 Description: Plant Supply Well

Monitoring Period: From: _____ To: _____

Date Sample Obtained: _____

Was the well purged before sampling? ☐ Yes ☐ No

Time Sample Obtained: _____

Parameter	PARM Code	Sample Measurement	Qualifier	Permit Requirement	Units	Sample Type	Monitoring Frequency	Detection Limits (MDL)	Analysis Method	Sampling Equipment Used	Samples Filtered (L/F/N)
Aluminum, Total Recoverable	01104			Report	ug/L	Grab	Quarterly				
Arsenic, Total Recoverable	00978			10	ug/L	Grab	Quarterly				
Barium, Total Recoverable	01009			2000	ug/L	Grab	Quarterly				
Beryllium, Total Recoverable	00998			4	ug/L	Grab	Quarterly				
Cadmium, Total Recoverable	01113			5	ug/L	Grab	Quarterly				
Calcium, Total Recoverable	00918			Report	mg/L	Grab	Quarterly				
Chloride	00940			Report	mg/L	Grab	Quarterly				
Chromium, Total Recoverable	01118			100	ug/L	Grab	Quarterly				
Cobalt, Total Recoverable	00979			Report	ug/L	Grab	Quarterly				
Color	00080			Report	PCU	Grab	Quarterly				
Copper, Total Recoverable	01119			Report	ug/L	Grab	Quarterly				
Dissovled Oxygen	00300			Report	mg/L	In-situ	Quarterly				
Gross Alpha	80045			15	pCi/L	Grab	Quarterly				
Iron, Total Recoverable	00980			Report	ug/L	Grab	Quarterly				
Lead, Total Recoverable	01114			15	ug/L	Grab	Quarterly				
Magnesium, Total Recoverable	00921			Report	mg/L	Grab	Quarterly				
Manganese, Total Recoverable	11123			Report	ug/L	Grab	Quarterly				
Mercury, Total Recoverable	71901			2	ug/L	Grab	Quarterly				
Molybdenum, Total Recoverable	01129			Report	ug/L	Grab	Quarterly				
Nickel, Total Recoverable	01074			100	ug/L	Grab	Quarterly				
Nitrite+Nitrate (as N)	00630			10	mg/L	Grab	Quarterly				
pH (field)	00400			Report	SU	In-situ	Quarterly				
Potassium, Total	00937			Report	mg/L	Grab	Quarterly				
Redox Potential (ORP)	00090			Report	mV	Grab	Quarterly				
Selenium, Total Recoverable	00981			50	ug/L	Grab	Quarterly				

GROUNDWATER MONITORING WELL REPORT - PART D

Facility Name: GRU Deerhaven Power Plant
 Permit Number: FLA017161 (PA74-04) (SW ID# 97682)
 County: Alachua

Monitoring Well ID: MWC-DEEP (DEEP-1)
 Well Type: Compliance
 Description: Plant Supply Well

Monitoring Period: From: _____ To: _____

Date Sample Obtained: _____

Was the well purged before sampling? ☐ Yes ☐ No

Time Sample Obtained: _____

(Continued)

Parameter	PARM Code	Sample Measurement	Qualifier	Permit Requirement	Units	Sample Type	Monitoring Frequency	Detection Limits (MDL)	Analysis Method	Sampling Equipment Used	Samples Filtered (L/F/N)
Silver, Total Recoverable	01079			Report	ug/L	Grab	Quarterly				
Sodium	00923			160	mg/L	Grab	Quarterly				
Specific Conductance (field)	00095			Report	umhos/cm	In-situ	Quarterly				
Strontium, Total Recoverable	01084			Report	ug/L	Grab	Quarterly				
Sulfate	00945			Report	mg/L	Grab	Quarterly				
Temperature	00010			Report	°C	In-situ	Quarterly				
Total Dissolved Solids	70295			Report	mg/L	Grab	Quarterly				
Total Organic Carbon	00680			Report	mg/L	Grab	Quarterly				
Total Suspended Solids	00530			Report	mg/L	Grab	Quarterly				
Turbidity	00070			Report	NTU	In-situ	Quarterly				
Vanadium, Total Recoverable	01128			Report	ug/L	Grab	Quarterly				
Water Level (NGVD)	82545			Report	Feet	In-situ	Quarterly				
Zinc, Total Recoverable	01094			Report	ug/L	Grab	Quarterly				

COMMENTS AND EXPLANATION (Reference all attachments here):

INSTRUCTIONS FOR COMPLETING THE WASTEWATER DISCHARGE MONITORING REPORT

The DMR consists of four parts--A, B, C, 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 data. All domestic wastewater facilities will have a Part B for reporting daily sample results. Part C is only applicable for domestic wastewater facilities with limited wet weather discharges permitted under Chapter 62-610.860, F.A.C. Part D is used for reporting groundwater monitoring well data.

Hard copies and/or electronic copies of the required parts of the DMR were provided with the permit. All required information shall be typed or printed in ink.

In addition to filling in numerical results on various parts of the DMR, the following codes should be used and an explanation provided where appropriate. Note: Codes used by the lab for raw data may be 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 since limit is conditional.

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.
TNTC	Too numerous to count (for fecal coliform bacteria only).

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

CODE	DESCRIPTION/INSTRUCTIONS
<	If the sampled value is less than the method detection limit (MDL), enter a less than sign followed by the laboratory's MDL value, e.g. < 0.001. In cases where a laboratory reports a value which is less than the parameter's practical quantification limit (PQL), but, not less than the MDL, the value should be reported as the laboratory's MDL value. For example, where the MDL = 0.001, the PQL = 0.005 and the laboratory reports <0.005 (the PQL), the value of 0.001 should be reported on the DMR.

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 blanks in the header should be completed by the permittee or authorized representative:

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. If there was no discharge of effluent for a particular outfall, reuse, or land application system and the DMR 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. Be sure the result being entered corresponds to the appropriate statistical base code (e.g. annual average, monthly average, single sample maximum, etc.).

No. Ex.: Enter the number of sample measurements during the monitoring period that exceeded the permit limit for each parameter. 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: Record the results of daily monitoring for the parameters required to be sampled by your permit. Record the data in the units indicated. Add the results to get the Total and divide by the number of days in the month to get the Monthly Average.

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 C - LIMITED WET WEATHER DISCHARGE

This part is to be completed and submitted each month reclaimed water or effluent is discharged by a limited wet weather discharge permitted under Rule 62-610.860, F.A.C. For months with no discharge, Part C need not be submitted. All information is to be provided for each day on which the limited wet weather discharge was activated.

Month/Year: Enter the month and year during which the data on this report were collected and analyzed.

Rainfall Information: Enter the name and location of the rainfall gauging station, the source of climatological (normal rainfall) data, the cumulative rainfall for the average rainfall year, and the cumulative rainfall to date for this calendar year. The cumulative rainfall for the average rainfall year is the amount of rain, in inches, which falls during an average rainfall year from January through the month for which this part contains data. 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.

Date: Enter the date on which the discharge occurred.

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

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

Average Discharge Flow Rate: Divide gallons discharged by duration of discharge (converted into days). Record in million gallons per day (MGD).

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

Stream Dilution Factor: Enter the actual stream dilution ratio accurate to the nearest 0.1. To calculate the factor, divide the average upstream flow rate by the average discharge flow rate.

CBOD₅: Enter the average CBOD₅ of the reclaimed water discharged during the period shown in duration of discharge.

TKN: Enter the average TKN of the reclaimed water discharged during the period shown in duration of discharge.

Total P: Enter the cumulative number of days since January 1 of the current year during which the limited wet weather discharge was activated divided by the total number of days since January 1 of the current year multiplied by 100%.

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

PART D - GROUNDWATER MONITORING REPORT

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 which are unexpected. If more space is needed, reference all attachments in this area.

ATTACHMENTS

ATTACHMENT E: Approved Groundwater Monitoring Plan

(to be attached in accordance with Section B. Condition I. paragraph B)