

## **Appendix 10.6**

### **Existing State Permits**

## **Appendix 10.6.1**

### **Conditions of Certification Seminole Electric Cooperative, Inc. Seminole Generating Station Units 1 and 2 PA 78-10M**

**STATE OF FLORIDA  
DEPARTMENT  
OF  
ENVIRONMENTAL PROTECTION**



**Conditions of Certification**

**Seminole Electric Cooperative, Inc.  
Seminole Generating Station Units 1 & 2**

**PA 78-10M**

**Modified 05/28/15**

## SECTION A: GENERAL CONDITIONS

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#### 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 Seminole Electric Cooperative, LLC (SECI) as owner/operator and Licensee of Seminole Generating Station Units 1-2 (SGS). Subject to the requirements contained in these Conditions of Certification (Conditions), SECI is authorized to operate a nominal 1472MW coal-fired facility consisting of Units 1 and 2, and associated facilities as described in the site certification application (SCA), the final order of certification, these Conditions, post-certification submittals, or post-certification amendments or modifications. The electric generating units and are located on a 1,976 acre site at 890 North Highway 17 Palatka in Putnam County, Florida. The UTM coordinates are: Zone {XX}; 3289200 km East; 438800 km North; and the latitude/longitude coordinates are: 29°44' North/81°38' 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;

#### **Associated Transmission**

- SGS to Silver Springs
- SGS to Rice
- SGS to Riverview
- On-site Substations and Transmission facilities

#### **Effluent Processing Facility**

- Increment One Landfill
- Original Landfill including lined vertical expansion
- Associated waste treatment and handling facilities
- Associated process water ponds

#### **Fuel Tanks**

- 1,000 gal UST
- 4,000 gal Coal Yard AST
- 2,000 gal AST EPF
- 2 x 150,000 gal AST Ignition Fuel Tanks
- 500 gal AST Fire Pump House

- Increment Two Landfill
- Rail Car Maintenance Facility
- On-site Rail Lines
- Coal Pile
- Limestone Pile
- Associated Stormwater Ponds and Ditches
- Cooling Towers
- Wastewater Treatment Facilities to include associated septic systems
- Potable Water Treatment Facilities
- River water pump house and discharge structure
- Pavilion Recreation Area

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Soil Borrow Facilities

Associated Industrial Wastewater Treatment Ponds

Associated Warehouses and Equipment Storage Yards

Fire Water Pump House

Urea Plant and associated equipment

Other Miscellaneous facilities

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 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.

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: an acceptable documentation, delineating the boundaries of the certified areas within the site such as an aerial photograph delineating these areas. The boundaries of the certified areas 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 Delineation of the Certified Area of the Site 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 Areas of the Offsite Non-linear Facilities and attached hereto as part of Attachment A (Maps).

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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 area 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 area(s) 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, 403.5113, F.S.; subsections 62-4.160(1-2) and 62-17.205(2), F.A.C.]*

### II. 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 express variances, exceptions, exemptions, 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.

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

### III. 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 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. Should any of these regulations or portions thereof be repealed or otherwise eliminated, they will not be considered applicable:

**Florida Administrative Codes:**

- 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)
- 62-4 (Permits)
- 62-17 (Electrical Power Plant Siting)
- 62-25 (Regulation of Stormwater Discharge)
- 62-40 (Water Resource Implementation Rule)
- 62-150 (Hazardous Substance Release Notification)

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- 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)
- 62-214 (Requirements for Sources Subject to the Federal Acid Rain Program)
- 62-256 (Open Burning)
- 62-296 (Stationary Sources-Emission Standards)
- 62-297 (Stationary Sources-Emission Monitoring)
- 62-301 (Surface Waters of the State)
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- 62-304 (Total Maximum Daily Loads)
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- 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)
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- 62-620 (Wastewater Facility and Activities Permitting)
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- 62-710 (Used Oil Management)
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- 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)
- 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)
- 64E-6 (Standards for Onsite Sewage Treatment and Disposal Systems)

**IV. DEFINITIONS**

Unless otherwise indicated herein, the meaning of terms used herein shall be governed by the applicable definitions contained in Chapters 373 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” as defined in Section 403.503(6), F.S. For purposes of this certification, “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 in Section 403.503(7), F.S.

C. “Certified Area” means the area within the Site in which the certified facilities are located. For off-Site non-linear associated facilities this shall mean the area within which the certified off-Site associated facility is located. For off-Site linear facilities this term shall mean the area encompassed by the boundaries of the certified corridors, until such time as all property interests required for ROWs have been acquired, after which time the term will include only the area within the final ROWs in accordance with Section 403.503(11), F.S.

D. “Certified Facility(ies)” means the certified electrical power generation facilities and all 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.

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

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

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

H. “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.

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

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

K. “Licensee” means Seminole Electric Cooperative, Inc. which has obtained a certification order for the subject project.

L. “NED” shall mean the DEP northeast district office.

M. “NPDES permit” means a federal National Pollutant Discharge Elimination System permit issued by DEP in accordance with the federal Clean Water Act.

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N. “Point of Discharge” means the point where the effluent physically enters the waters of the State

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

P. “PSD permit” means a federal Prevention of Significant Deterioration air emissions permit issued by DEP in accordance with the federal Clean Air Act.

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

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

S. “State water quality standards” shall mean the numerical and narrative criteria applied to specific water uses or classifications set forth in Chapter 62-302, F.A.C.

T. “SJR WMD” means the St. Johns River Water Management District.

U. “Surface Water Management System” or “System” means a stormwater management system as defined in Section 373.403(10), F.S. 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.

V. “Title V permit” means a federal permit issued by DEP in accordance with Title V provisions of the federal Clean Air Act.

W. “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. DEPARTMENT PERMITS UNDER FEDERAL PROGRAMS**

This certification is not a waiver of any other Department approval that may be required under federally delegated or approved programs. The provisions of the following federal permits shall be conditions of this certification to the extent the provisions of those permits apply to the certified facility(ies). The Licensee shall comply with the applicable substantive provisions and limitations set forth in the permits listed below, and as those provisions may be modified, amended, or renewed in the future by the Department. The Department may consider a violation of any of these permits as a violation of this license.

#### **A. Air**

All Air Construction Permits and Title V Air Operation Permits in force for the certified facilities are incorporated by reference herein as part of these Conditions. The Air Construction Permits and Title V Air Operation Permits can be found at this web link using the facility ID number 1070025: <http://appprod.dep.state.fl.us/air/emission/apds/default.asp>.

*[Chapters 62-4, 62-204, 62-210, 62-212, 62-213, 62-214, 62-296, and 62-297, F.A.C.]*

#### **B. Water**

1. NPDES Industrial Wastewater Discharge

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Licensee shall comply with all applicable provisions of NPDES Permit No. FL0036498 (attached as Appendix I) as well as any subsequent modifications, amendments and/or renewals.

*[Chapter 62-620, F.A.C.]*

2. NPDES Generic Permit for Stormwater Discharge from Large and Small Construction Activities (CGP)

- Any storm water discharges associated with construction activities on the site shall be in accordance with all applicable provisions of Chapter 62-621, F.A.C.

A Generic Permit for Stormwater Discharge from Large and Small Construction Activities must be obtained as applicable.

*[Section 403.0885, F.S.; Rule 62-621.300, F.A.C.]*

3. NPDES Multi-Sector Generic Permit for Stormwater Discharge Associated with Industrial Activity.

Any storm water discharges associated with industrial activity on the site shall be in accordance with all applicable provisions of Chapter 62-621, F.A.C.

*[Section 403.0885, F.S.; Rule 62-621.300, F.A.C.]*

4. NPDES Generic Permits for Discharge of Produced Ground Water from any Non-Contaminated Site Activity and from Petroleum Contaminated Sites.

Prior to discharge of produced ground water from any non-contaminated site activity which discharges by a point source to surface waters of the State, as defined in Chapter 62-620, F.A.C., the Licensee must first obtain coverage under the Generic Permit for Discharge of Produced Ground Water From any Non-Contaminated Site Activity. Similarly, if the activity involves a point source discharge of ground water from a petroleum contaminated site, the Licensee must obtain coverage under the Generic Permit for discharge from petroleum contaminated sites. Before discharge of ground water can occur from such sites, analytical tests on samples of the proposed untreated discharge water shall be performed as required by Rule 62-621.300, F.A.C., to determine if the activity can be covered by either permit.

If the activity cannot be covered by either generic permit, the Licensee shall apply for an individual wastewater permit at least ninety (90) days prior to the date discharge to surface waters of the State is expected. No discharge to surface water is permissible without an effective permit.

5. NPDES Generic Permit for Discharges from Concrete Batch Plants

Prior to discharges from concrete batch plants which meet the criteria specified in DEP Document 62-621.300(3)(a), (excluding Part III when using any new batch plants and excluding Part II when using any existing batch plants) the Licensee must first obtain coverage under the Generic Permit for Discharges from Concrete Batch Plants. This generic permit also constitutes authorization to construct and operate closed-loop recycling vehicle/equipment washing facilities at concrete batch plants. New and existing concrete batch plants which do not qualify for coverage or do not choose to be covered under this generic permit shall apply for an individual wastewater permit on the appropriate form listed in Rule 62-620.910, F.A.C., and in the manner

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established in Chapter 62-620, F.A.C. DEP Document number 62-621.300(3)(a) contains specific design and operating requirements for discharges from wastewater and stormwater management systems at concrete batch plants.

### VI. DESIGN AND PERFORMANCE CRITERIA

Certification, including these Conditions, is predicated upon preliminary designs, concepts, and performance criteria described in the Application or in testimony and exhibits in support of certification. Final engineering design will be consistent and in substantial compliance with the preliminary information described in the Application 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 403.516, 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 immediately provide the NED 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.

To the extent feasible and unless otherwise requested, all notifications which are made in writing shall additionally be immediately provided to the Siting Coordination Office (SCO) via email to [SCO@dep.state.fl.us](mailto:SCO@dep.state.fl.us).

*[subsection 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.

*[subsection 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 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. The Licensee shall certify to the Department and clerk that all lands required for the transmission line rights-of-way within the corridor have been acquired within such county.

*[Section 403.5112, F.S.]*

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### VIII. EMERGENCY CONDITION NOTIFICATION AND RESTORATION

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(3), (6), (7) or (9), 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 facilities. 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 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.

*[Section 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. Such fees and compliance with such construction codes are outside the scope of this certification.

*[Section 403.511(1), (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 5I-2, F.A.C.

*[Chapters 5I-2 and 62-256, F.A.C.]*

#### C. *Vegetation*

For areas located in any Florida Department of Transportation (DOT) ROW, Chapter 7 of the Florida DOT *Utility Accommodation Manual* available on the DOT website (<http://www2.dot.state.fl.us/proceduraldocuments/procedures/bin/710020001/Chapter-7.pdf>) 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. Tickets shall be available for request until the underground work is completed for the affected area.

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## SECTION A: GENERAL CONDITIONS

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*[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.]*

### **F. Existing Wells**

Any existing wells to be impacted in the path of construction of non-linear 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 subsection 62-532.500(5), F.A.C., or with the rules of the authorizing agency, or consistent with these Conditions.

*[subsections 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) 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

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## SECTION A: GENERAL CONDITIONS

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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 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.

*[Sections 120.57, F.S. and 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.

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*[Sections 403.121, 403.131, 403.141, 403.151, 403.161, 403.514, F.S.; subsections 62-4.160(1) and 62-4.160(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 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.; subsection 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 certification 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 certification. 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 Facilities, or from penalties therefore.

*[subsections 62-4.160(3) and 62-4.160(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

## SECTION A: GENERAL CONDITIONS

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applicable portions of Chapters 18-2, 18-20, and 18-21, F.A.C., and Chapters 253 and 258, F.S. Except as otherwise 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 the Joint Application for Environmental Resource Permits 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. The Department has the responsibility to review and take action on requests for proprietary authorization in accordance with Rules 18-2.018 or 18-21.0051, F.A.C.

D. The Licensee is hereby advised that Florida law states: “No person shall commence any excavation, construction, or other activity involving the use of sovereign or other state lands of the state, title to which is vested in the Board of Trustees of the Internal Improvement Trust Fund or the Department of Environmental Protection under Chapter 253, F.S., until such person has received from the Board of Trustees of the Internal Improvement Trust Fund 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, and Sections 403.511, F.S.; Chapter 10.1.1. of the Environmental Resource Permit Applicant’s Handbook Volume I (A. H. Volume I); Chapters 18-2, 18-14, 18-21, 62-340, and subsections 62-330.060(1) and 62-4.160(4), F.A.C.; Upland Easement Application and Section F of the Environmental Resource Permit Application Form.]*

### **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:

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

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

Florida Department of Economic Development  
Office of the Secretary  
107 East Madison St.  
Tallahassee, FL 32399-2100

Florida Fish & Wildlife Conservation Commission  
Office of Policy and Stakeholder Coordination  
620 South Meridian Street  
Tallahassee, FL 32399-1600

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

Florida Department of Agriculture and Consumer Services  
Division of Forestry  
3125 Conner Boulevard  
Tallahassee, FL 32399-1650

Northeast Regional Planning Council  
Office of the Executive Director  
6850 Belfort Oaks Place  
Jacksonville, FL 32216

St. Johns River Water Management District  
Office of General Counsel  
4049 Reid Street or  
P.O. Box 1429  
Palatka, Florida 32178-142

Florida Department of State  
Division of Historical Resources  
500 S. Bronough Street  
Tallahassee, FL 32399-0250

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Putnam County  
Office of General Counsel  
2509 Crill Ave., Ste. 200  
Palatka, FL 32177

City of Palatka  
City Manager  
201 N 2nd St  
Palatka, FL 32177

*[Section 403.511, F.S.]*

### **XX. 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 Facilities and the construction and maintenance of the Certified Facilities. 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 and any other agency that is entitled to receive a 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](mailto:SCO@dep.state.fl.us). Each submittal shall clearly identify the certified facility name (Seminole Units 1 and 2), PA# (78-10), 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., subsection 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.

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

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## SECTION A: GENERAL CONDITIONS

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### ***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 agencies 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 postcertification 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.

### ***H. Variation to Submittal Requirements***

DEP, in consultation with the appropriate agencies that have regulatory authority over a matter to be addressed in a post-certification submittal, and Licensee may jointly agree to vary any of the post-certification submittal requirements, provided the information submitted is sufficient to provide reasonable assurance of compliance with these Conditions.

*[Sections 403.511, F.S.; Rule 62-17.191 F.A.C.]*

## **XXI. 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

## SECTION A: GENERAL CONDITIONS

Requirements Summary shall be required for only those resulting in new or altered post-certification requirements.

| 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.; Subsection 62-17.191(3), F.A.C.]*

### XXII. 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 Sections 403.516, F.S.

*[Section 403.5113, F.S.]*

### XXIII. 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 or the Delineation of the Certified Area, attached hereto as part of Attachment A (Maps), must be accompanied by a map or aerial photo showing the proposed new boundaries of the site and/or certified area. 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.]*

### **XXIV. 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.]*

### **XXV. 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. 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 and 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.

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.

*[Rule 62-17.211(3), F.A.C.]*

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### XXVI. LABORATORIES AND QUALITY ASSURANCE

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. Standard Operating Procedures can be downloaded from the following website: <http://www.dep.state.fl.us/water/sas/sop/sops.htm>.

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

### XXVII. 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 NED's Environmental Resource Permitting Section for review, all information necessary for a complete *Joint Application for Environmental Resource Permit* (ERP), DEP Forms 62-330.060, F.A.C. Information may be submitted by discrete portions of the Certified Facilities for a determination of compliance with these COCs

This form may: a) have been 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 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 62-330, F.A.C., as applicable unless otherwise stated in these Conditions.

Those forms submitted as part of a SCA, an amendment, or modification, shall be processed concurrently with, and under the respective certification, 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 XX. Procedures for Post-Certification Submittals.

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 XX. Procedures for Post-Certification Submittals.

b. Concurrent with submittal of the DEP form required in Subparagraph A.1.a. above, the Licensee shall submit 62-330.201, F.A.C., 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.

[Chapter 62-340, F.A.C.]

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

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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 of Part IV of Chapter 373, F.S., following submittal of Form 62-330.060(1) F.A.C., to the NED.

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 Application 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.

3. To allow for stabilization of all disturbed areas, immediately prior to construction, during construction of the SWMS, and for the 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

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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 postcertification submittal, amendment, modification, or certification application 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 NED, 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.

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 NED ERP Section must be notified in advance of any proposed construction dewatering. If the dewatering activity is likely to result in offsite 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 62-25, 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

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## SECTION A: GENERAL CONDITIONS

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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 Environmental Resource Permit review process pursuant to Condition A.1. above.

2. Proposed mitigation plans submitted with the DEP ERP Application forms required in Condition 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 and monitoring plans, and shall be incorporated into these Conditions as Attachment C (Mitigation Plans).

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

### **XXVIII. 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/Area.

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

### **XXIX. 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. Such systems of treatment or control are not to be bypassed without prior department approval, except, during periods of when light oil is used for ignition, the FGD system may be bypassed. Further, the Licensee shall take all reasonable steps to minimize any adverse impact resulting from noncompliance with any limitation specified in this certification, including such accelerated or additional monitoring as necessary to determine the nature and impact of the noncomplying event.

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

### **XXX. 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 Application for this approval. These materials may be maintained in an electric form and shall be retained at least three (3) years from the date of the sample, measurement, report, or application unless otherwise specified by Department rule.

C. Records of monitoring information shall include:

1. the date, exact place, and time of sampling or measurements;
2. the person responsible for performing the sampling or measurements;
3. the dates analyses were performed;

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## SECTION A: GENERAL CONDITIONS

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4. the person responsible for performing the analyses;
5. the analytical techniques or methods used; and,
6. the results of such analyses.

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

### **XXXI. WATER DISCHARGES**

#### **A. Discharges**

1. Except as otherwise authorized by a permit issued by the Department under a federally delegated or approved 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 combination 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 delegated or approved 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, and 62-550, 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 paragraphs 62-4.242(1)(a) and (b), F.A.C., subsections 62-4.242(2) and (3), F.A.C., and Rule 62-302.300, F.A.C., and any special standards for Outstanding Florida Waters and Outstanding National Resource Waters set forth in subsections 62-4.242(2) and (3), F.A.C.;

3. Except as otherwise authorized by a permit issued by the Department under a federally delegated or approved 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.

4. The Licensee may dispose of industrial wastewater (i.e.; boiler blowdown, boiler fireside wash, air preheater wash, stack wash and electrostatic precipitator wash) in an adequately sized percolation pond in a manner as approved by DEP. Includes the review and approval of treatment of chemicals and biocides. Boiler blowdown from either unit may also be recycled to the Unit 1 and 2 cooling towers. BMPs are applicable.

*[Chapters 62-4, 62-302, 62-520, 62-550, 62-660, and 62-620, F.A.C., and Rule 62-621.300, F.A.C.]*

### **XXXII. 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 a Certified Facility during construction, operation, maintenance, and closure.

*[Chapters 62-701, F.A.C.]*

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### **B. Hazardous Waste and Used Oil**

The Licensee shall comply with all applicable non-procedural provisions of DEP Chapter 62-730, F.A.C., for any hazardous waste generated within the Certified Facility. This facility operates under EPA hazardous waste identification number FLD000772194.

The Licensee shall comply with all applicable non-procedural provisions of DEP 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 DEP 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 non-procedural provisions of DEP Chapter 62-740, F.A.C. for any petroleum contact water.

*[Chapters 62-710, 62-730, 62-737, and 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 WARNING POINT NUMBER, (800) 320-0519, within one working day of discovery of the release.

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 DEP 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.]*

## **XXXIII. STORAGE TANK SYSTEMS**

Registration, construction, installation, operation, maintenance, repair, closure, and disposal of storage tank systems within a Certified Area 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.

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## SECTION A: GENERAL CONDITIONS

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### **A. Incident Notification Requirements.**

Notification of the discovery of the loss of a regulated substance from a storage tank system exceeding 100 gallons on impervious surfaces, other than secondary containment, such as driveways, airport runways, or other similar asphalt or concrete surfaces, provided that the loss does not come in contact with pervious surfaces; or of the discovery of any other incident listed in subsections 62-761.450(2) or 62-762.451(2), F.A.C., shall be made to the County on Incident Notification Form 62-761.900(6) within 24 hours or before the close of the County's next business day.

### **B. Discharge Reporting Requirements**

Upon discovery of an unreported discharge of a regulated substance, the Licensee shall report to the County on Discharge Report Form 62-761.900(1) within 24 hours or before the close of the County's next business day those items listed in paragraph 62-761.450(3)(a), F.A.C., unless a discharge is a non-petroleum de minimus discharge referenced in Rule 62-780.560(1), F.A.C., or, unless the regulated substance has a more stringent reporting requirement specified in C.F.R. Title 40, Part 302.

### **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 (for example, Chapter 62-780, F.A.C., Contaminated Site Clean-Up Criteria). The Licensees 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 62-780, 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 and 62-762, F.A.C.]*

## SECTION B: SPECIFIC CONDITIONS

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### SECTION B. SPECIFIC CONDITIONS

#### I. DEPARTMENT OF ENVIRONMENTAL PROTECTION

##### A. *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. The sewage treatment plant must be operated in accordance with Chapters 62-4, 62-302, 62-600, 62-620, 62-640 and 62-660, F.A.C. Plans and specifications for the sewage treatment plant shall be submitted to the Department's NED for review and approval prior to installation.

##### B. *Gypsum and Flyash Reuse Facilities*

1. The Licensee may engage in operations to reuse industrial byproducts that are generated by the facility. Industrial byproducts are not considered solid waste if they meet the requirements of subsection 62-701.220(2), F.A.C.

2. The Licensee may modify its Flue Gas Desulfurization (FGD) system by introducing an oxidation system to convert sulfite and by installing a chloride bleed system to produce synthetic gypsum for reuse, as long as the emission limitations of condition I.A. are not exceeded. Flyash may be processed for reuse or sale.

3. If any wallboard manufacturing facility or other operation that reuses gypsum is to be located within the property currently comprising SECI's certified site, the Licensee must file a revised site map and legal description excluding from the certified site that area conveyed to the manufacturer or related operation. The revised site map must also include a depiction of any easements that the Licensee conveys to any manufacturer or other operation for that portion of the site which is not conveyed to the manufacturer. Any parcels conveyed for gypsum reuse must be located within that area generally identified for that purpose in SECI's April 8, 1999 request. The revised site map shall become effective upon written acknowledgment of receipt by the Department. The owner or operator of any wallboard plant or related facility shall be responsible for applying for obtaining and complying with all appropriate permits and for complying with all regulations applicable to its separate activities, including the wallboard plant, and any conveyor used to deliver gypsum from the Seminole plant to the wallboard or other gypsum reuse facility. Those separate facilities and their operations shall not be subject to this Certification and its conditions unless otherwise expressly stated in this Certification.

4. If a wallboard manufacturing plant or other gypsum reuse facility is constructed adjacent to the Seminole plant, water may be withdrawn from SECI's onsite water wells for those activities as authorized by a consumptive use permit issued by the St. Johns River Water Management District to the wallboard plant or other gypsum reuse facility. However, this water shall not be used for electric power production purposes.

##### C. *Rail Car Maintenance Facility*

The rail car maintenance and surface coating facility must be designed, constructed and operated in conformance with Chapters 62-296, 62-25, and 62-302, F.A.C., and the following limitations:

1. Visible Emissions - must not exceed 20% opacity.

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2. VOC Emissions - must not exceed 38.75 lbs/hr or 11.84 T/year.
3. Particulate Emissions - Unconfined particulate emissions from abrasive blasting must be controlled as required by Section 62-296.320(4)(c), F.A.C., using the following precautions:
  - a. The cover and the partial enclosure of the shelter will act as a windbreak to minimize the amount of residual particulate that becomes airborne.
  - b. Containment screens must be installed on the northern and southern ends of the shelter.
4. Stormwater Runoff - must be collected in existing runoff ditches and routed to percolation/evaporation areas on site.
5. Wastewater - No discharge of wastewater from the maintenance facility site is allowed.
6. Sanitary Waste - Must be disposed of in accordance with the applicable substantive requirements of Chapter 64E-6 F.A.C.
7. Water - The associated drinking water system must comply with the substantive requirements of Chapters 62-550 and 62-555, F.A.C. Consumptive use of groundwater shall be governed by the applicable nonprocedural provisions of 40C-2, F.A.C.
8. Spent Blast Media - Spent blast media associated with the railcar maintenance facility must be containerized during storage and subsequently disposed of in the onsite FGD/sludge landfill.

### **D. Solid Waste Disposal**

1. At least 90 days prior to the initial start-up of a new landfill increment or expansion of an existing landfill increment, SECI shall submit sufficiently detailed information that shows how a new landfill or expansion of an existing landfill increment for Units 1 and 2 will be constructed, operated, monitored, and closed (including how a new or expanded landfill will be constructed while continuing to operate the existing landfill) in compliance with the applicable provisions of Chapter 62-701, F.A.C. Per Rule 62-701.310 F.A.C., SECI may apply for alternative procedures and requirements.
2. The Licensee shall continue to operate the solid waste disposal units in accordance with the *Landfill Operating Procedures for Lined Expansion of Existing FGD Landfill Facility*, dated May 13, 2009 and the *Increment 1 Build-out Operation Plan*, dated September 12, 2014. Within 30 days of these conditions being final, SECI will submit revised or updated operating plans for the lined vertical expansion of the original landfill and for Increment 1 landfill. These plans shall be acknowledged as a singular Operation Plan for both facilities which will be identified as Seminole Generating Station Landfill Operation Plan and attached hereto as Attachment E.
3. The Licensee is authorized, pursuant to Section 62-701.320(1), F.A.C., to utilize flyash from the Seminole Power Plant and from other coal fired electric generating facilities in the on-site FGD sludge stabilization process.

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4. A hydrogeological and geotechnical investigation for Landfill Increment 2 and any subsequent increments must be conducted in accordance with the requirements of Chapter 62-701.410, F.A.C., prior to construction.

5. The Licensee must provide three sets of the final landfill construction drawings and retention pond design calculations to the Florida Department of Environmental Protection, Siting Coordination Office, for review prior to construction of landfill Increments 1 shown in attached Figure 1.

6. With regard to the existing FGD/Sludge landfill and Increments 1 & 2, after receiving approval, the Licensee may construct the landfill and appurtenant facilities and may dispose of solid waste within 200 feet of any natural or artificial body of water, including wetlands within the jurisdiction of the Department, pursuant to Rule 62-701.300(2)(e).

### ***F. Leachate***

#### **1. Zone of Discharge**

Leachate from the FGD/sludge landfill, coal storage pile, bottom ash sump, percolation and FGD emergency pond must not contaminate waters of the State (including both surface and ground waters) in excess of the limitations of Chapter 62-520, F.A.C., beyond the zone of discharge. As an existing installation, the zone of discharge shall extend horizontally from the edge of each solid waste landfill to the facility's property line, and vertically to the bottom of the surficial aquifer.

#### **2. Corrective Action**

When the groundwater monitoring system shows a violation of the groundwater water quality standards of Chapter 62-520, the appropriate ponds and FGD landfill must be sealed, relocated or closed, or the operation of the affected facility must be altered in such a manner as to assure the Department that no violation of the groundwater standards will occur beyond the boundary of the site.

### ***G. Solid Waste Ground Water Monitoring***

1. Ground water monitoring is required around all solid waste landfill sites. The Licensee shall install a solid waste ground water monitoring well network to monitor the water quality of the aquifer around each site, in accordance with applicable provisions of Chapters 62-701, 62-520, F.A.C., and Attachment D-1.

2. During the period of operation authorized by this Site Certification, the Licensee shall sample ground water at the monitor wells for the parameters and frequency identified in Attachment D-1 and in accordance with the conditions of certification, pursuant to Chapters 62-701, 62-520, F.A.C., and Attachment D-1.

3. For any new or revised solid waste disposal area, a revised Solid Waste Water Quality Monitoring Plan shall be submitted to the Solid Waste Section of the DEP Tallahassee office and to the DEP's Siting Office for review and approval at least 12 months prior to operation of a new site, or 90-days prior to implementation of a revised site, in accordance with the post-certification process referred to in Condition XX Procedures for Post-Certification Submittals. The approved revised plan will replace the existing plan, and it will be referenced to the Conditions in Attachment D-1.

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### ***H. Industrial Wastewater Ground Water Monitoring***

1. Ground water monitoring is required around all Industrial Wastewater sites described in Attachment D-2, Industrial Wastewater Ground Water Monitoring Requirements. The Licensee shall install and maintain an industrial wastewater ground water monitoring well network to monitor the water quality of the aquifer(s) around the Industrial Wastewater sites, in accordance with Chapter 62-520, F.A.C.
2. During the period of operation authorized by this Site Certification, the Licensee shall conduct ground water monitoring at the specified monitor wells for the parameters and frequency identified in Attachment D-2, Industrial Wastewater Ground Water Monitoring Requirements, in accordance with the ground water monitoring plan and Rule 62-520.600, F.A.C.
3. For the existing industrial wastewater sites, the Licensee shall submit an updated Industrial Wastewater Ground Water Monitoring Plan to the DEP-NED Ground Water Section with an electronic copy to the DEP Siting Office mailbox within 90 days of the date modification M becomes final, or such other date as the Licensee and DEP-NED Office agree. This updated plan shall include a list of all existing monitor wells, a location map of monitor wells in relation to wastewater sites/surface waters/property lines, construction details of monitor wells with top of well casing and land surface elevations to the nearest 0.01 feet, latitude and longitude (in degrees, minutes, seconds) of each monitor well, a list of all monitoring and field parameters, frequency of monitoring for each parameter, and name of aquifer being monitored for each monitor well.
4. For any new or revised industrial wastewater site, the Licensee shall submit a revised Industrial Wastewater Ground Water Monitoring Plan to the DEP-NED Ground Water Section with an electronic copy to the DEP Siting Office mailbox for review and approval at least 90 days prior to operation of a new or revised site. In addition to the items for the updated plan listed in the above condition, the revised plan shall include new monitor well locations and designs, seasonal ground water depths and flow directions at the site through preparation of seasonal water table contour maps, based upon water level data obtained during the pre-operational and existing monitoring programs, location of potable wells located within one quarter mile of a new site, history of activity, geology, soil borings, mounding analysis of any new ponds, wastewater application of rate, and analysis or characterization of Industrial Wastewater to be discharged to the new site. Based on the contour maps, and in accordance with Chapter 62-520, F.A.C., a revised ground water monitoring well network shall be located. An initial ground water sample shall be conducted prior to operation of any new industrial wastewater site.
5. Any modification or additions to the Industrial Wastewater Ground Water Monitoring Plan shall be submitted, reviewed and approved through the post-certification process referred to in the "Procedures for Post-Certification Submittals" of Section A, and Attachment D-2 will be amended to reflect any changes.
6. The Ground Water Monitoring Plan (GMP) shall be revised to comply with the provisions contained in Rules 62-620.325 and 62-620.345, F.A.C., if applicable, or to comply with any applicable effluent standard or limitation issued or approved under Section 301(b)(2)(C) and (D), 304(b)(2) and 307(a)(2) of the Clean Water Act (the Act), as amended, by change in the effluent standards, limitations, or water quality standards previously issued or

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approved. Revisions to the GMP which involve the following shall be considered a modification to these Conditions and shall be processed in accordance with Section 403.516(1)(c), F.S., and Rule 62-17.211, F.A.C. as applicable.

- a. New major sources or deletion of existing major sources of wastewater;
- b. Improvements made to existing, or new wastewater treatment facilities including those which provide for a new or expanded land application system which will result in an increase in the permitted capacity;
- c. Incorporation of newly promulgated applicable rules which are not currently reflected in the License or promulgated rules which are more stringent than the existing conditions in the License;
- d. Pollutants not addressed in the GMP or these Conditions.

### ***I. Coal Storage Pile and Limestone Storage Pile***

1. Drainage from the lined coal storage pile is directed into a lined runoff pond and pumped to the wastewater treatment system, which is covered under the NPDES permit. The Licensee shall not store coal in a manner that produces uncontrolled runoff unless such discharges have prior approval by the DEP-NED, in accordance with Rule 62-620.610(5), F.A.C. Any overflow discharges from the runoff pond shall be reported orally within 24-hours as an abnormal event to the DEP-NED with a detailed written submission provided within five days of the time the Licensee becomes aware of the circumstances, in accordance with Rule 62-620.610(20), F.A.C.

2. Drainage from the limestone storage pile is directed to an unlined runoff pond, and any overflow discharges from less than 10- year 24-hour rainfall shall be treated as required to limit the suspended solids to 50 mg/l and to prevent increases in turbidity to less than 29 NTU above background in waters of the State beyond a distance of 150 meters from the POD, in accordance with Rule 62-620.610(5), F.A.C..

### ***J. Potable Water Supply System***

1. The potable water supply system shall be designed and operated in conformance with Chapters 62-550, Lead & Copper Rule 40 CFR 141, Subpart I, 62-555, 62-560, and 62-699 F.A.C. (<http://www.dep.state.fl.us/water/rulesprog.htm#dw>). Information as required in Chapters 62-550, Lead & Copper Rule 40 CFR 141, Subpart I, 62-555, 62-560, and 62-699, F.A.C., shall be submitted to the Department prior to construction and operation of any potable water system. The operation of the potable water supply system shall be certified in accordance with Chapters 62-602 and 62-699, F.A.C. All monitoring reports shall be submitted to the Department's Northeast District Office, Potable Water Section and the Siting Office.

2. All potable well(s) shall be constructed according to public well standards found in 62-532, F.A.C., as well as meet the required setbacks as found in 62-555.312, F.A.C.

*[Chapters 62-532, 62-550, 62-555, 62-560, 62-602, and 62-699, F.A.C.]*

### ***K. Transmission Lines***

Directly associated transmission lines must be constructed and maintained in a manner to minimize environmental impacts in accordance with Chapter 403, F.S.

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### 1. Construction

- a. Filling and construction in waters of the State must be minimized to the extent practicable. No such activities may take place without obtaining lease or title from the Trustees of the Internal Improvement Trust Fund.
- b. Placement of fill in wetland areas must be minimized by spanning such areas with the maximum transmission lines span practicable.
- c. Construction and access roads should avoid wetlands and be located in surrounding uplands. Any fill required in wetlands for construction but not required for maintenance purposes must be removed and the ground restored to its original contours after transmission line placement.
- d. Keyhole fills from upland areas are preferable to a single road and should be oriented as nearly parallel to surface water flow lines as possible.
- e. Sufficient culverts must be placed through fill causeways to maintain sheet flow. The number and locations of such culverts will be determined in the field by consultation with DEP field inspectors.
- f. Maintenance roads must be planted with native species to prevent erosion and subsequent water quality degradation.
- g. Construction activities should proceed as much as possible during the dry season.
- h. Turbidity control measures, where needed, must be employed to prevent violation of water quality standards.
- i. Good environmental practices as described in *Environmental Criteria for Electric Transmission Systems* as published by the U.S. Department of Interior and the U.S. Department of Agriculture should be followed.

### 2. Maintenance

- a. Vegetative removal for maintenance should be carried out in the following manner:

Vegetative clearing operations to be carried out within the corridor should follow the general standards for clearing rights-of-way for overhead transmission lines and follow good environmental practices as described in *Environmental Criteria for Electric Transmission Systems*, as published by the U.S. Department of the Interior and the U.S. Department of Agriculture, thus preserving immature tree species along the peripheries of the right-of-way. These standards define the zone that shall be cleared of all tree growth as the area between structures 10 ft. to either side of the outside conductor. The remainder of the right-of-way from the cleared area to the right-of-way limit shall be screened. This translates to mean that only trees in excess of 10 ft. in height would be removed from the outer zone except where location of the access roads necessitates complete clearing.

#### ***L. Transformer and Electric Switching Gear***

The foundations for transformers, capacitors, and switching gear necessary for Seminole Units 1 and 2 to connect with the existing transmission/distribution system must be

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## SECTION B: SPECIFIC CONDITIONS

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constructed of an impervious material and must be constructed in such a manner to allow complete collection and recovery of any spills or leakage of oily, toxic, or hazardous substances.

### II. DEPARTMENT OF TRANSPORTATION

#### A. *Request for Restricted Areas*

No requests for restricted areas are necessary.

#### B. *Post Certification Review Items*

##### 1. Traffic Study:

Prior to submitting any transportation and transportation related plans for approval, the Licensee must revise and supplement the previously conducted traffic study (Appendix 10.7 of the SCA) to include at minimum the following:

##### a. Existing Conditions Analysis

- Site location, boundaries, geometry, area of influence;
- Transportation Network (number of lanes, facility type, speed, area type);
- Planned and programmed improvements;
  - Traffic data—Annual Average Daily Travel, traffic volumes, level of service and turning movements;
- Right of way (Geometry);
- Sidewalks, pedestrian/bike lanes;

##### b. Background Traffic

- Department of Transportation Annual Average Daily Travel — daily, PM Peak, AM Peak;
- Growth rates based on historic trends; or
- Model analysis based on socio-economic data; or
- 72-hour machine traffic counts at the plant entrances.

##### c. Trip generation

- ITE Trip generation 7th edition for all land uses by project phase; or
- Information supplied from logs maintained by the Licensee or its contractor at plant entry locations and projections developed by the Licensee.

##### d. Trip Distribution

- Manual and/or model (distribution map);
- ##### e. Trip Assignment
- Distribute and assign trips to roadways by development phase (Map);
  - Calculate turning radii and movement volumes at each driveway;

##### f. Future Conditions/ Future Analysis

- Level of Service analysis;
- Florida Intrastate Highway System issues and discussion;

##### g. Site Access, Geometry, traffic circulation and parking

- Access Management standards—spacing standards;

## SECTION B: SPECIFIC CONDITIONS

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- Median openings spacing and design;
- Connection throat lengths/depth etc;
- Right Turn/Left Turn lanes;

### 2. 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, State Highway System Access Control Classification System and Access Management Standards, F.A.C..

### 3. Overweight or Overdimensional Loads

Operation of overweight or overdimensional 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 Overdimensional Vehicles, F.A.C..

### 4. Use of State of Florida Right of Way or Transportation Facilities

All usage and modification of State of Florida right of way or transportation facilities will be subject to Florida Department of Transportation's Roadway and Traffic Design Standards, Florida Department of Transportation Specifications for Road and Bridge Construction and pertinent sections of the Florida Department of Transportation's Project Development and Environmental Manual. Although there is no major widening of the facility segment planned in the foreseeable future, due to the status of this roadway as an emerging Strategic Intermodal System's (SIS) facility, the placement of the access road should take into consideration the possible widening of this facility. If future widening should be required, the cost of relocating or reconstructing the access road will be borne by the Licensee unless the terms and conditions of Section 337.403, F.S., are met.

### 5. Standards

The Manual on Uniform Traffic Control Devices, Florida Department of Transportation's Roadway and Traffic Design Standards; Florida Department of Transportation's Standard Specifications for Road and Bridge Construction; the Department'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.

### 6. 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. Any required treatment and storage of surface waters for the intersection improvements or other work on the State Transportation System by the Licensee will occur in either a) the State right of way if sufficient capacity exists; b) on land donated by the Licensee to the Department for such purposes; or c) by permanent provision, i.e. a recorded drainage easement, for such purposes in treatment facilities owned by the Licensee. Treatment can occur within existing State right of way only if such right of way necessary for treatment is not planned to be used by the Department for improvements or expansion of the State Transportation System.

### 7. Use of Air Space

## SECTION B: SPECIFIC CONDITIONS

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Any structures proposed in the application which exceed 200 feet in height will be subject to an aeronautical study by the Federal Aviation Authority under the provisions of 14 CFR Part 77. If the aeronautical study finds an adverse effect on the safe and efficient use of navigable airspace, the project will require the issuance of a variance by state or local government.

### 8. Signalization

Prior to any signalizations, a warrant study must be provided to the Florida Department of Transportation. The warrant study must meet the requirements of the Manual on Uniform Traffic Control Devices, incorporated in Rule 14-15.010, F.A.C. and Section 316.0745, F.S..

### C. *Best Management Practices*

Traffic control during plant 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; Florida Department of Transportation's Standard Specifications for Road and Bridge Construction; and the Department's Utility Accommodation Manual, whichever is more stringent.

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

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

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

## III. ST. JOHNS RIVER WATER MANAGEMENT DISTRICT

### A. *General Consumptive Use*

1. Nothing in these conditions should be construed to limit the authority of the St. Johns River Water Management District to declare a water shortage and issue orders pursuant to Chapter 373, F.S. In the event of a declared water shortage, the Licensee must adhere to the water shortage restrictions, as specified by the District. The Licensee is advised that during a water shortage, reports shall be submitted as required by District rule or order.

*[Paragraphs 2.1.2, 2.3(c)(d)(e)(g)(i)(j), A.H., 40C-2.381(2)(a), F.A.C.]*

2. Prior to the construction, modification or abandonment of a well, the licensee must obtain a water well permit from the St. Johns River Water Management District or the appropriate local government pursuant to Chapter 40C-3, F.A.C. Construction, modification, or abandonment of a well will require modification of the consumptive use permit when such construction, modification, or abandonment is other than that specified and described on the consumptive use permit application form.

*[40C-2.381(2)(a), F.A.C.]*

## SECTION B: SPECIFIC CONDITIONS

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3. Leaking or inoperative well casings, valves, or controls must be repaired or replaced as required to eliminate the leak or make the system fully operational.

*[Paragraphs 2.3(a)(b)(d)(f)(g)(h)(i)(j), A.H., 40C-2.381(2)(a), F.A.C.]*

4. The licensee's consumptive use of water as authorized by these conditions shall not interfere with legal uses of water existing at the time of certification. If interference occurs, the District shall have the authority to revoke the licensee's consumptive use of water, in whole or in part, to curtail or abate the interference, unless the interference associated with the licensee's consumptive use of water is mitigated by the licensee pursuant to a District-approved plan.

*[Paragraphs 1.3.7.2, A.H., 40C-2.381(2)(a), F.A.C.]*

5. The licensee's consumptive use of water as authorized by these conditions shall not have significant adverse hydrologic impacts to off-site land uses existing at the time of certification. If significant adverse hydrologic impacts occur, the District shall revoke the licensee's consumptive use of water, in whole or in part, to curtail or abate the adverse impacts, unless the impacts associated with the licensee's consumptive use of water are mitigated by the licensee pursuant to a District-approved plan.

*[Paragraphs 2.3(f)(g), 3.5, 3.7, A.H., 40C-2.381(2)(a), F.A.C.]*

6. The licensee shall notify the District in writing within 30 days of any sale, transfer, or conveyance of ownership or any other loss of authorized legal control of the Project and/or related facilities from which the authorized consumptive use is made. Where licensee's control of the land subject to these conditions was demonstrated through a lease, the licensee must either submit documentation showing that it continues to have legal control or transfer control of the certified system/project to the new landowner or new lessee. All transfers of ownership are subject to the requirements of Rule 40C-1.612, F.A.C. Alternatively, the licensee may surrender the consumptive use to the District, thereby relinquishing the right to conduct any activities under these conditions.

*[Paragraphs 1.4.3.2, A.H., 40C-2.381(2)(a), F.A.C.]*

7. A District-issued identification tag shall be prominently displayed at each withdrawal site by permanently affixing such tag to the pump, headgate, valve, or other withdrawal facility as provided by Rule 40C-2.401, F.A.C. The licensee shall notify the District in the event that a replacement tag is needed.

*[Paragraphs 2.1.3, A.H., 40C-2.381(2)(a), F.A.C.]*

8. The licensee's consumptive use of water as authorized by these conditions shall not significantly and adversely impact wetlands, lakes, rivers, or springs. If significant adverse impacts occur, the District shall revoke the licensee's consumptive use of water, in whole or in part, to curtail or abate the adverse impacts, unless the impacts associated with the licensee's consumptive use of water are mitigated by the licensee pursuant to a District-approved plan.

*[Paragraphs 2.3(f)(g), 3.5, 3.7, A.H., 40C-2.381(2)(a), F.A.C.]*

9. The licensee's consumptive use of water as authorized by these conditions shall not reduce a flow or level below any minimum flow or level established by the District or

## SECTION B: SPECIFIC CONDITIONS

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the Department of Environmental Protection pursuant to Section 373.042 and 373.0421, F.S. If the licensee's use of water causes or contributes to such a reduction, then the District shall revoke the licensee's consumptive use of water, in whole or in part, unless the licensee implements all provisions applicable to the licensee's use in a District-approved recovery or prevention strategy.

*[Paragraphs 2.3(f)(g)(i)(j), 3.7, 3.8, A.H., 40C-2.381(2)(a), F.A.C.]*

10. The licensee's consumptive use of water as authorized by these conditions shall not cause or contribute to significant saline water intrusion. If significant saline water intrusion occurs, the District shall revoke the licensee's consumptive use of water in whole or in part, to curtail or abate the saline water intrusion, unless the saline water intrusion associated with the licensee's consumptive use of water is mitigated by the licensee pursuant to a District-approved plan.

*[Paragraphs 2.3(g)(h), 3.3, A.H., 40C-2.381(2)(a), F.A.C.]*

11. The licensee's consumptive use of water as authorized by these conditions shall not cause or contribute to flood damage. If the licensee's consumptive use causes or contributes to flood damage, the District shall revoke the licensee's consumptive use of water, in whole or in part, to curtail or abate the flood damage, unless the flood damage associated with the licensee's consumptive use of water is mitigated by the licensee pursuant to a District-approved plan.

*[Paragraphs 2.3(a)(b)(f)(g)(h), 3.7, A.H., 40C-2.381(2)(a), F.A.C.]*

12. The licensee's consumptive use of water as authorized by these conditions shall not cause or contribute to a violation of state water quality standards (existing at the time of permit issuance) in receiving waters of the state, as set forth in Chapters 62-3, 62-4, 62-302, 62-520, and 62-550, F.A.C., including any anti-degradation provisions of paragraphs 62-4.242(1)(a) and (b), subsections 62-4.242(2) and (3), and Rule 62-302.300, F.A.C., and any special standards for Outstanding National Resource Waters set forth in subsections 62-4.242(2) and (3), F.A.C. If violations occur, the District shall revoke the licensee's consumptive use of water, in whole or in part, to curtail or abate the violations, unless the violations associated with the licensee's consumptive use of water are mitigated by the licensee pursuant to a District-approved plan.

*[Paragraphs 2.3(h), 3.7, A.H., 40C-2.381(2)(a), F.A.C.]*

13. All consumptive uses authorized by these conditions shall be implemented as conditioned by this Certification, including any documents incorporated by reference in a condition. The District may revoke the licensee's consumptive use of water, in whole or in part, or take enforcement action, pursuant to Section 373.136 or 373.243, F.S., unless a modification has been obtained to address the noncompliance. The licensee shall immediately notify the District in writing of any previously submitted information that is later discovered to be inaccurate.

*[Paragraphs 2.3(a)(b)(c)(d)(e)(f)(g)(h)(i)(j), A.H., 40C-2.381(2)(a), F.A.C.]*

14. These conditions do not convey to the licensee any property rights or privileges other than those specified herein, nor relieve the licensee from complying with any applicable local government, state, or federal law, rule, or ordinance.

*[40C-2.381(2)(a), F.A.C.]*

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## SECTION B: SPECIFIC CONDITIONS

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15. A licensee may seek modification of any term of a condition. The licensee is advised that Section 373.239, F.S., and Rule 40C-2.331, F.A.C., are applicable to condition modifications.

*[40C-2.381(2)(a), F.A.C.]*

### **B. Specific Consumptive Use**

1. All submittals made to demonstrate compliance with this license must include reference number 140536-1 labeled on the submittal. Submittals should be made on-line at [floridaswater.com/permitting](http://floridaswater.com/permitting) whenever possible.

*[Paragraphs 2.3(a)(b)(c)(d)(e)(f)(g)(h)(i)(j), A.H.]*

2. Maximum annual groundwater withdrawals from the Upper Floridan aquifer for demineralizer/steam cycle makeup, potable water and general plant service water use must not exceed 200.75 million gallons.

*[Paragraphs 2.2.1, 2.2.3, 2.3(a)(b)(d)(e)(f)(g)(h)(i)(j), A.H.]*

3. Maximum annual surface water withdrawals from the St. Johns River for cooling tower makeup and general plant service water use must not exceed 15,783.00 million gallons.

*[Paragraphs 2.2.1, 2.2.3, 2.3(a)(b)(d)(e)(f)(g)(i)(j), A.H.]*

4. Existing wells: North Well (Station ID 450548), South Well (Station ID 450549), combined withdrawals from Potable 1 (Station ID 450550), Potable 2 (Station ID 450551), and Potable 3 (Station ID 450552), and surface water pumps: River Pump 1 (Station ID 450648), River Pump 2 (Station ID 450649), River Pump 3 (Station ID 450651), River Pump 4 (Station ID 450652), and River Pump 5 (Station ID 450654) must be equipped with totalizing flow meters. These flow meters must measure within +/- 5% of actual flow, be verifiable and be installed according to the manufacturer's specifications.

*[Paragraphs 2.3(a)(d), 4.2, A.H.]*

5. Total withdrawal from wells: North Well (Station ID 450548), South Well (Station ID 450549), combined withdrawals from Potable 1 (Station ID 450550), Potable 2 (Station ID 450551), and Potable 3 (Station ID 450552), and surface water pumps: River Pump 1 (Station ID 450648), River Pump 2 (Station ID 450649), River Pump 3 (Station ID 450651), River Pump 4 (Station ID 450652), and River Pump 5 (Station ID 450654) must be recorded continuously, totaled monthly, and reported to the Department and District at least every six months for the duration of this permit using Water Use Pumpage Report Form (EN-50). The reporting dates each year will be as follows:

Reporting Period Report Due Date

January - June July 31

July - December January 31.

*[Paragraphs 2.3(a)(d), 4.2, A.H.]*

6. The licensee must have all flow meters checked for accuracy at least once every 10 years and recalibrated if the difference between the actual flow and the meter reading is greater than 5%. The next accuracy check is due June 30, 2015. Flow Meter Accuracy Report

## SECTION B: SPECIFIC CONDITIONS

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Form (EN-51) must be submitted to the Department and District within 10 days of the inspection/calibration.

[Paragraphs 2.3(a)(d), 4.2, A.H.]

7. The licensee must maintain all flowmeters and alternative methods for measuring flow. In case of failure or breakdown of any meter, the District must be notified in writing within 5 days of its discovery. A defective meter must be repaired or replaced within 30 days of its discovery.

[Paragraphs 2.3(a)(d), A.H.]

8. The licensee shall use the lowest quality water source, such as reclaimed water, surface/storm water, or alternative water supply, to supply the needs of the project when deemed feasible pursuant to District rules and applicable state law.

[Paragraphs 2.3(c)(e), A.H.]

9. Groundwater use is restricted to uses other than main steam condensing. Any changes in the use of groundwater will require a modification of this condition.

[Paragraphs 2.3(c)(e)(f)(g)(i)(j), A.H.]

10. The licensee shall submit, to the District, a compliance report for the entire facility pursuant to subsection 373.236(4), F.S., every 10 years. The licensee shall submit the first report by July 30, 2017. The report shall contain sufficient information to maintain reasonable assurances that the licensee's use of water will continue, for the life of the facility, to meet the conditions set forth in the District rules that existed at the time the SJRWMD agency report for Unit 3 was approved by the Governing Board. At a minimum, the compliance report must include:

- a. Information documenting that allocations from all sources in the permit will continue to be needed for the remainder of the permit duration;
- b. Documentation verifying that the sources are capable of supplying the needs authorized by this permit without causing harm to water and water related resources;
- c. Documentation verifying that the use of water is efficient and that the licensee is implementing all feasible water conservation measures.

[Paragraphs 2.3(a)(b)(c)(d)(e)(f)(g)(h)(i)(j), A.H.]

## 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 and accessible appropriate buffers as defined by the listed species' survey protocols, prior to conducting detailed surveys. Areas assessed for listed species as part of the ERP process do not need to be re-assessed to satisfy this condition.

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

## SECTION B: SPECIFIC CONDITIONS

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*[Article IV, Sec. 9, Fla. Constitution: Section 379.2291, F.S., Sections 403.507 and 403.5113(2), F.S., and Chapter 68A-27, Florida Administrative Code (F.A.C.).]*

### **B. Specific Listed Species Surveys**

Before land clearing and construction activities within a certified facility occur, the Licensee shall conduct an assessment that shall note all habitat, occurrence, or evidence of listed species. Listed species to be included in this survey shall include the bald eagle and those species listed as endangered, threatened, or of special concern by the FWC or those listed as endangered or threatened by U.S. Fish and Wildlife Service (USFWS). 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 or USFWS. 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.

1. This survey shall be conducted in accordance with USFWS/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 any wading bird colonies within the project that may be affected.
3. This survey shall identify locations of breeding sites, nests, and burrows for listed wildlife species. Nests and burrows may be recorded with 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, rather than around individual nests and burrows, and be physically marked so that clearing and construction shall avoid impacting them.
4. This survey shall include an estimate of the acreage and percent cover of each existing vegetation community (Florida Land Use, Cover and Forms Classification System, or FLU CFCS, at the third degree of detail) including a wildlife-based habitat classification scheme such as Florida's State Wildlife Action Plan (FWC 2012), Descriptions of Vegetation and Land Cover Types (FWC 2004), or Natural Communities Guide (FNAI 2010) of each community that is contained within the certified corridor prior to land clearing and construction activities using GIS or a GIS compatible software.

*[Article IV, Sec. 9, Fla. Constitution; Sections 379.2291, 403.526 and 403.5317, F.S.; and Chapters 68A-27, 68A-4, 68A-16, F.A.C.]*

### **C. Listed Species Locations**

1. Where any suitable habitat or evidence is found of the presence of listed species within the certified facility, the Licensee shall report those locations to, and confer with, the appropriate regulatory agencies for possible additional pre-clearing and to identify potential mitigation, or avoidance recommendations. If pre-clearing surveys are required, they shall be timed to be reasonably compatible with the construction schedule, considering the anticipated date for the start of construction within a certified facility. 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: 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, and other agencies as appropriate.
2. If 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,

## SECTION B: SPECIFIC CONDITIONS

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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.

*[Article IV, Sec. 9, Fla. Constitution; Sections 379.2291, 403.526 and 403.5113(2), F.S.; and Chapter 68A-27, 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 S. Bronough Street, Rm 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 approved chemicals or 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 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. PUTNAM COUNTY**

The licensee must provide screening of the site through the use of aesthetically acceptable structures, vegetated earthen walls and/or existing or planted vegetation.

## **HISTORY**

Certification Issued (Units 1 & 2) 09/18/79; signed by Governor Graham

Modified 10/12/88; signed by Secretary Twachtman

Modified 03/26/91; signed by Secretary Browner

Modified 10/14/92; signed by Secretary Browner

Modified 11/25/92; signed by Secretary Browner

Modified 03/02/95; signed by Secretary Wetherell

## **SECTION B: SPECIFIC CONDITIONS**

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Modified 05/12/97; signed by Secretary Wetherell  
Modified 02/01/00; signed by Deputy Secretary Green  
Modified 04/03/00, signed by Deputy Secretary Green  
Modified 07/05/05; signed by Siting Administrator Oven  
Modified 09/06/06; signed by Siting Administrator Oven  
Certification Issued (Unit 3) 08/18/08, signed by Secretary Sole  
Modified 11/30/09; signed by Siting Administrator Halpin  
Modified 2/26/10; signed by Siting Administrator Halpin  
Modified 05/28/15: signed by Director Green

## **ATTACHMENT A**

Certified Site/Areas/Facilities Delineation Maps – To be attached pursuant to Section A.  
Condition I. Scope

**ATTACHMENT B**

Surface Water Management Plans – To be attached as applicable

## **ATTACHMENT C**

Mitigation Plans – To be attached as applicable

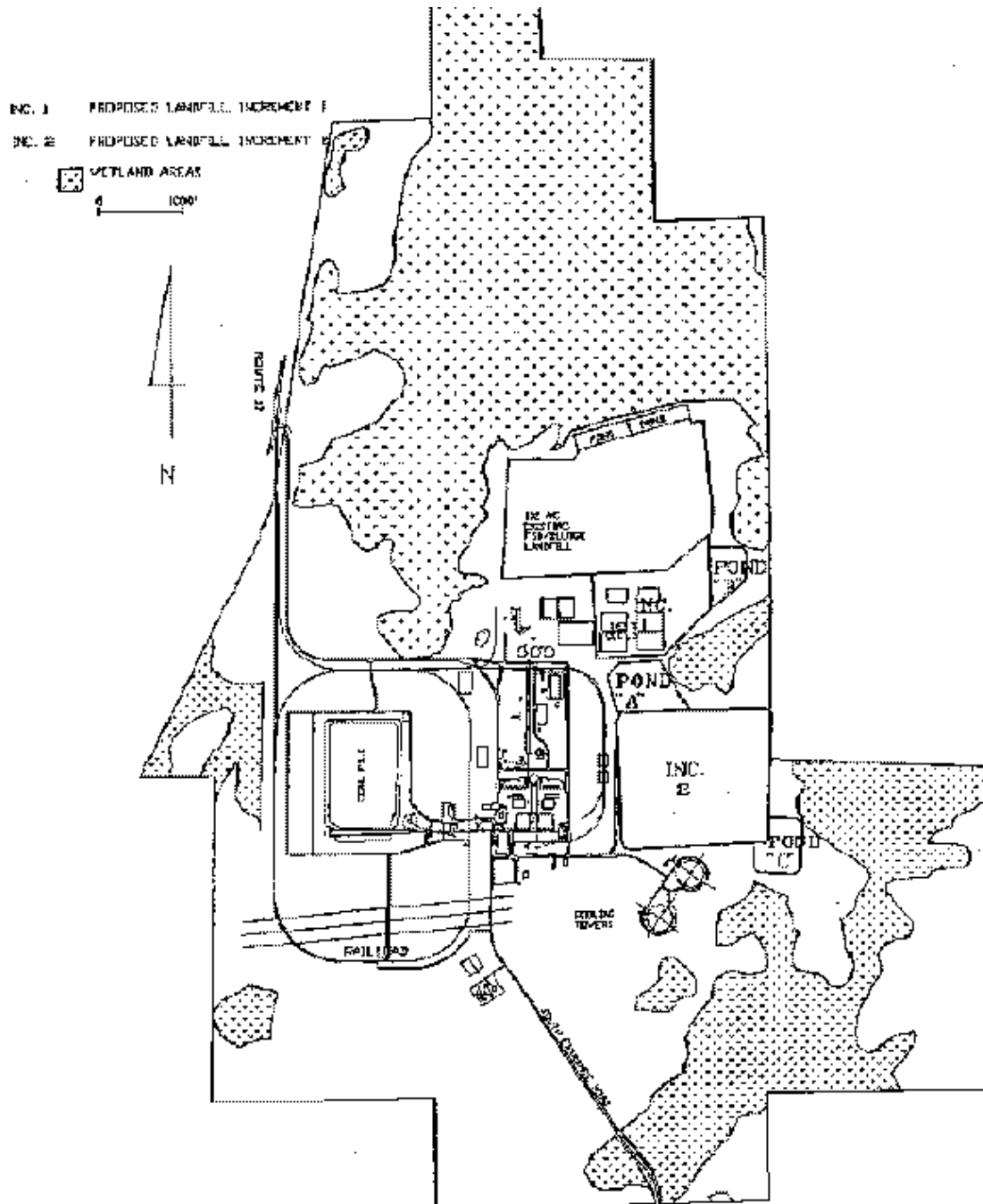
## **ATTACHMENT D**

### **Groundwater Monitoring Requirements**

D-1 Solid Waste

D-2 Industrial Waste

Figure 1. FGD/Sludge Landfill Limits



## **Appendix 10.6.2**

**NPDES Permit No. FL0036498**



# Florida Department of Environmental Protection

Bob Martinez Center  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

Rick Scott  
Governor

Jennifer Carroll  
Lt. Governor

Herschel T. Vinyard Jr.  
Secretary

## NOTICE OF PERMIT

SENT BY E-MAIL TO:  
([WMRoddy@seminole-electric.com](mailto:WMRoddy@seminole-electric.com))

In the Matter of an  
Application for Permit by:  
Seminole Electric Cooperative Inc.  
Seminole Generating Station  
890 North Highway 17  
Palatka, FL 32177-8647

DEP File # FL0036498-007-IW1S  
Putnam County

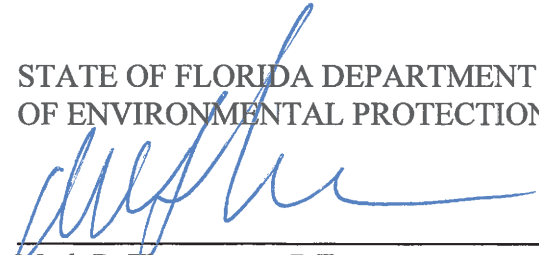
Attention: W. Michael Roddy  
Director, Environmental Affairs

Enclosed is Permit Number FL0036498 to Seminole Electric Cooperative Inc., 16313 North Dale Mabry Highway, Post Office Box 272000, Tampa, Florida 33688 to operate wastewater treatment and effluent disposal facilities for Seminole Generating Station, located at 890 North Highway 17, Palatka, Florida 32177, issued under Section 403.0885, Florida Statutes and DEP Rule 62-620, Florida Administrative Code.

Any party to this order (permit) has the right to seek judicial review of the permit under Section 120.68, Florida Statutes, by the filing of a Notice of Appeal under Rules 9.110 and 9.190, Florida Rules of Appellate Procedure, with the Clerk of the Department of Environmental Protection, Office of General Counsel, Mail Station 35, 3900 Commonwealth Boulevard, Tallahassee, Florida 32399-3000 and by filing a copy of the notice of appeal accompanied by the applicable filing fees with the appropriate district court of appeal. The notice of appeal must be filed within thirty days after this notice is filed with the clerk of the Department.

Executed in Tallahassee, Florida.

STATE OF FLORIDA DEPARTMENT  
OF ENVIRONMENTAL PROTECTION

  
Mark P. Thomasson, P.E.

Director  
Division of Water Resource Management  
2600 Blair Stone Road  
Tallahassee, FL 32399-2400

CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this NOTICE OF PERMIT and all copies were mailed before the close of business on 08-29-12 to the listed persons.

[Clerk Stamp]

FILING AND ACKNOWLEDGMENT

FILED, on this date, under Section 120.52 (9), Florida Statutes, with the designated Department Clerk, receipt of which is hereby acknowledged.

S. Shields 08-29-12  
(Clerk) (Date)

Copies furnished by e-mail to:

Mark Nuhfer, NPDES and Biosolids Permits Section, EPA Region 4 ([nuhfer.mark@epamail.epa.gov](mailto:nuhfer.mark@epamail.epa.gov))  
Karrie-Jo Shell, Power Plant NPDES Permits, EPA Region 4 ([Shell.Karrie-Jo@epamail.epa.gov](mailto:Shell.Karrie-Jo@epamail.epa.gov))  
Chairman, Board of Putnam County Commissioners ([kenny.eubanks@putnam-fl.com](mailto:kenny.eubanks@putnam-fl.com))  
Robert Yarbrough, Seminole Electric ([RYarbrough@seminole-electric.com](mailto:RYarbrough@seminole-electric.com))  
Anne Harvey, Esq., Earthjustice ([aharvey@earthjustice.org](mailto:aharvey@earthjustice.org))  
Justin Wolfe, Esq., DEP Tallahassee ([Justin.G.Wolfe@dep.state.fl.us](mailto:Justin.G.Wolfe@dep.state.fl.us))  
Jeff Martin, P.E., DEP Jacksonville ([Jeff.Martin@dep.state.fl.us](mailto:Jeff.Martin@dep.state.fl.us))  
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SECOND AMENDMENT TO THE FACT SHEET  
AT THE TIME OF FINAL ISSUANCE OF THE PERMIT (NOTICE OF PERMIT)

DATE: August 17, 2012

PERMIT NUMBER: FL0036498

PERMITTEE: Seminole Electric Cooperative Inc (SECI)  
Seminole Generating Station

Minor revisions were made to the permit address concerns raised by the permittee during a meeting on August 7, 2012. The revisions consist of minor edits to the permit as well as other non-substantive changes to the permit as requested by the permittee and as outline below:

- **Condition I.A.1:** The monitoring table for Outfall D-001 was revised so that monthly average numeric limits (for the 10 parameters that contained these limits) were changed to “report”. Note that these 10 parameters already include daily maximum limits and the monitoring frequency is quarterly. Also, note that the previous permit (current active permit) did not contain monthly average limits for these 10 parameters.
- **Condition VIII.C.1.a:** The correct date for applying for a renewal permit (180 days before expiration) was added.
- **Condition VIII.D.3.b:** The requirement for a “professional engineer registered in the State of Florida” to certify impoundment integrity was changed to requiring that the certification be provided by a “qualified company employee with knowledge and training in impoundment integrity”.
- **Condition VIII. D.4.b:** The wording was revised slightly for clarification purposes.
- **Condition VIII.E:** Condition VIII.E was added to the permit to indicate that when laboratory reported MDLs and PQLs are above the Department’s target MDLs and PQLs and the reported MDLs are above the permits limits, the permittee shall provide a written demonstration to the Northeast District Office for the need for higher MDLs and PQLs and how the reported MDLs and PQLs were derived or adjusted. The added condition is consistent with MDL/PQL guidance language that was included in the fact sheet that is part of the Notice of Draft for this renewal permit.

**BEFORE THE STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL PROTECTION**

IN THE MATTER OF:

Seminole Electric Cooperative, Inc.  
P.O. Box 272000  
Tampa, Florida 33688-2000

Administrative Order No. AO-027-TL

Seminole Palatka Plant  
DEP Permit No: FL0036498-004-IW1S

**ADMINISTRATIVE ORDER**

**I. STATUTORY AUTHORITY**

The Department of Environmental Protection (Department) issues this Administrative Order under the authority of Section 403.088(2)(f), Florida Statutes (F.S.). The Secretary of the Department has delegated this authority to the Director of the Division of Water Resources Management, who issues this order and makes the following findings of fact.

**II. FINDINGS OF FACT**

1. Seminole Electric Cooperative, Inc. (SECI or Permittee) is a "person" as defined under Section 403.031(5), F.S.
2. The Permittee owns and operates a steam electric power generating facility known as Seminole Palatka Plant ("Facility"). The Facility, located off U.S. Highway 17, Palatka, Putnam County, Florida 32177, discharges industrial wastewater into waters of the state as defined in Section 403.031(13), F.S.
3. The Permittee has filed a timely application for renewal of NPDES permit FL0036498 (Permit), under Section 403.088(2), F.S.
4. In April 2009, the Department amended Rule 62-620.620(3), F.A.C., requiring all continuous wastewater discharge permits for major facilities, including power plants, to contain chronic definitive whole effluent toxicity (WET) limits. Hence, Outfall D-001 is subject to the definitive chronic WET testing protocol.
5. Under the previous Permit, the permittee was authorized to perform an acute WET testing protocol using an alternative test species as allowed in Methods for Measuring the Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms, EPA-821-R-02-012, Section 6.1.2, due to the complex wastewater matrix of the purge water from the flue gas desulphurization (FGD) systems. However, these alternative test species are not approved for the chronic definitive tests. Because the permittee was not required to conduct chronic definitive tests under the previous Permit, the permittee has not demonstrated whether it can pass the chronic definitive tests.
6. Sections 403.088(2)(e) and (f), F.S., allow the Department to issue a permit for the discharge of wastewater into waters of the state, which may not immediately meet all applicable rule requirements, if the permit is accompanied by an order establishing a schedule for achieving compliance with all permit conditions if criteria specified in the order are met.
7. The Department finds that:
  - (1) There is no present, reasonable, alternative means of disposing of the waste other than by discharging it into the waters of the state;

- (2) The granting of an operation permit will be in the public interest; and,
- (3) The discharge will not be unreasonably destructive to the quality of the receiving water.

8. This order and associated wastewater Permit FL0036498 constitute the Department's authorization to discharge pollutants to waters of the state under the NPDES program, and its determination that the facility is in compliance with Section 403.088, F.S. This order includes an implementation schedule.

### III. ORDER

Based on the foregoing findings of fact,

#### IT IS ORDERED,

9. The Permittee shall comply with the definitive chronic whole effluent toxicity testing in Part I.A.9 of the permit or by meeting Rule 62-4.244(3)(b) requirements within 48 months from the issuance date of the permit. Until such time the Permittee shall comply with interim acute whole effluent toxicity testing of the discharge from Outfall D-001, as described below.
- a. Effluent Limitation
    - (1) In any routine or additional follow-up test for acute whole effluent toxicity, the 96-hour LC50 shall not be less than 100% effluent. [Rules 62-302.200(1), 62-302.500(1)(a)4., 62-4.244(3)(a), and 62-4.241, F.A.C.]
  - b. Monitoring Frequency
    - (1) Routine toxicity tests shall be conducted once every three months, the first starting within 60 days of the issuance date of this permit and lasting for the duration of this permit.
  - c. Sampling Requirements
    - (1) All tests shall be conducted on a single grab sample of final effluent collected four hours after cooling tower blowdown has been initiated and prior to the when cooling tower blowdown is complete.
  - d. Test Requirements
    - (1) Routine Tests: All routine tests shall be conducted using a control (0% effluent) and a minimum of five dilutions: **100%, 75%, 50%, 25%, and 12.5%** effluent.
    - (2) The permittee shall conduct 96-hour acute static renewal multi-concentration toxicity tests using the daphnia, **Daphnia magna**, and the fathead minnow, **Pimephales promelas**, concurrently.
    - (3) All test species, procedures and quality assurance criteria used shall be in accordance with **Methods for Measuring Acute Toxicity of Effluents and Receiving Waters to Freshwater and Marine Organisms**, 5th Edition, EPA-821-R-02-012. Any deviation of the bioassay procedures outlined herein shall be submitted in writing to the Department for review and approval prior to use. In the event the above method is revised, the permittee shall conduct acute toxicity testing in accordance with the revised method.
    - (4) The control water and dilution water shall be moderately hard water as described in EPA-821-R-02-012, Table 7.
  - e. Quality Assurance Requirements
    - (1) A standard reference toxicant (SRT) quality assurance (QA) acute toxicity test shall be conducted with each species used in the required toxicity tests either concurrently or initiated no more than 30 days before the date of each routine or additional follow-up test conducted. Additionally, the SRT test must be conducted concurrently if the test organisms are obtained from outside the test laboratory unless the test organism supplier provides control chart data from at least the last five

monthly acute toxicity tests using the same reference toxicant and test conditions. If the organism supplier provides the required SRT data, the organism supplier's SRT data and the test laboratory's monthly SRT-QA data shall be included in the reports for each companion routine or additional follow-up test required.

- (2) If the mortality in the control (0% effluent) exceeds 10% for either species in any test, the test for that species (including the control) shall be invalidated and the test repeated. The repeat test shall begin within 14 days after the last day of the invalid test.
- (3) If 100% mortality occurs in all effluent concentrations for either species prior to the end of any test and the control mortality is less than 10% at that time, the test (including the control) for that species shall be terminated with the conclusion that the test fails and constitutes non-compliance.
- (4) Routine and additional follow-up tests shall be evaluated for acceptability based on the concentration-response relationship, as required by EPA-821-R-02-012, Section 12.2.6.2., and included with the bioassay laboratory reports.

f. Reporting Requirements

- (1) Results from all required tests shall be reported on the Discharge Monitoring Report (DMR) as follows:
  - (a) Routine Test Results: If an LC50 >100% effluent occurs in the test for the test species, ">100%" shall be entered on the DMR for that test species. If an LC50 <100% effluent occurs, the calculated LC50 effluent concentration shall be entered on the DMR for that test species.
  - (b) Additional Follow-up Test Results: For each additional test required, the calculated LC50 value shall be entered on the DMR for that test species.
- (2) A bioassay laboratory report for the routine test shall be prepared according to EPA-821-R-02-012, Section 12, Report Preparation and Test Review, and mailed to the Department at the address below within 30 days after the last day of the test.
- (3) For additional follow-up tests, a single bioassay laboratory report shall be prepared according to EPA-821-R-02-012, Section 12, and mailed within 30 days after the last day of the second valid additional follow-up test.
- (4) Data for invalid tests shall be included in the bioassay laboratory report for the repeat test.
- (5) The same bioassay data shall not be reported as the results of more than one test.
- (6) All bioassay laboratory reports shall be sent to:  
Florida Department of Environmental Protection  
Tallahassee Office  
2600 Blair Stone Road, M.S. 3545  
Tallahassee, Florida 32399-2400

g. Test Failures

- (1) A test fails when the test results do not meet the limits in 17.a.(1).
- (2) Additional Follow-up Tests:
  - (a) If a routine test does not meet the acute toxicity limitation in 17.a.(1) above, the permittee shall notify the Department at the address above within 21 days after the last day of the failed routine test and conduct two additional follow-up tests on each species that failed the test in accordance with 17.d.
  - (b) The first test shall be initiated within 28 days after the last day of the failed routine test. The remaining additional follow-up tests shall be conducted weekly thereafter until a total of two valid additional follow-up tests are completed.
  - (c) The first additional follow-up test shall be conducted using a control (0% effluent) and a minimum of five dilutions: 100%, 75%, 50%, 25%, and 12.5% effluent. The permittee may modify the dilution series in the second additional follow-up test to more accurately bracket the toxicity such that at least two dilutions above and two dilutions below the target concentration

and a control (0% effluent) are run. All test results shall be statistically analyzed according to the procedures in EPA-821-R-02-012.

- (3) If three tests whether routine or additional follow-up tests within a 12 month period, do not meet the effluent limitation specified in 17.a. (1) above, the permittee shall contact with the Department within 30 days of the laboratory report submittal to discuss the corrective actions necessary to remedy the observed acute toxicity.
10. If the permittee does not demonstrate that it meets Rule 62-4.244(3)(b) by no later than 365 days after the issuance of this administrative order, the Permittee shall prepare and submit to the Department for approval a plan of study (Toxicity POS) and schedule for identifying the waste streams and the components of the waste streams responsible for the chronic WET test noncompliance, and for identifying possible methods for meeting the chronic WET requirements. The results of the evaluation shall be submitted in a report (Toxicity Report) to the Department for review and approval no later than 240 days after Department approval of the Toxicity POS.
11. No later than 180 days after Toxicity Report submittal, the Permittee shall prepare and submit to the Department a feasibility study report (Toxicity Study) for the evaluation of engineering or other options to minimize or otherwise address the toxicity of the identified waste stream(s). The Permittee shall evaluate the options based on the following criteria: a) compliance with applicable requirements of Department rules; b) long term effectiveness and permanence; c) implementability; d) technical feasibility; e) economic impact; and (f) potential applicability of a moderating provision such as a mixing zone. Once the options have been fully described and individually evaluated against the above criteria, a comparative analysis shall be conducted to evaluate and balance the relative performance of the options in relation to each evaluation criteria. The purpose of the comparative analysis is to identify the advantages and disadvantages of each option relative to one another so the tradeoffs that will have to be balanced to select an option are fully understood. The results of the comparative analysis shall be presented in the Toxicity Study. In addition, the Toxicity Study shall include a plan and schedule for implementing the option(s).
12. The Permittee shall provide a status report demonstrating progress toward compliance with the definitive chronic whole effluent toxicity testing every six months following the effective date of this Order, until compliance is achieved pursuant to paragraphs III.9 and III.14 of this Order. The reports shall document accomplishment of milestones established by the schedule in the POS and subsequent schedule established in the Study.
13. The Permittee shall maintain and operate its facilities in compliance with all other conditions of the Permit.
14. This order may be modified through revisions as set forth in Chapter 62-620, F.A.C.
15. Unless otherwise specified herein, reports or other information required by this order shall be sent to: Industrial Wastewater Section, ATTN: Mail Station 3545, Department of Environmental Protection, 2600 Blair Stone Road, Tallahassee, Florida 32399-2400, with a copy sent to: Industrial Wastewater Section, Department of Environmental Protection, Northeast District, 7825 Baymeadows Way, Suite B-200, Jacksonville, Florida 32256-7590.
16. This order does not operate as a permit under Section 403.088, F.S. This order shall be incorporated by reference into Permit FL00036498, which shall require compliance by the Permittee with the requirements of this order.
17. Failure to comply with the requirements of this order shall constitute a violation of this order and Permit FL0036498, and may subject the Permittee to penalties as provided in Section 403.161, F.S.
18. This order is final when filed with the clerk of the Department, and the Permittee then shall implement this order unless a petition for an administrative proceeding (hearing) is filed in accordance with the notice set forth in the following Section.

19. If any event occurs that causes delay or the reasonable likelihood of delay, in complying with the requirements of this order, the Permittee shall have the burden of demonstrating that the delay was or will be caused by circumstances beyond the reasonable control of the Permittee and could not have been or cannot be overcome by the Permittee's due diligence. Economic circumstances shall not be considered circumstances beyond the reasonable control of the Permittee, nor shall the failure of a contractor, subcontractor, materialman or other agent (collectively referred to as "contractor") to whom responsibility for performance is delegated to meet contractually imposed deadlines be a cause beyond the control of the Permittee, unless the cause of the contractor's late performance was also beyond the contractor's control. Delays in final agency action on an application for a relief mechanism are eligible for consideration under this paragraph, provided that none of those delays were a result of late submission by the Permittee. Upon occurrence of an event causing delay, or upon becoming aware of a potential for delay, the Permittee shall notify the Department orally at: the Department's Northeast District office, (904)-807-3371, within 24 hours or by the next working day and shall, within seven calendar days of oral notification to the Department, notify the Department in writing at: Northeast District office, 7825 Baymeadows Way, Suite B-200, Jacksonville, Florida 32256-7590 of the anticipated length and cause of the delay, the measures taken or to be taken to prevent or minimize the delay and the timetable by which Facility intends to implement these measures. If the delay or anticipated delay has been or will be caused by circumstances beyond the reasonable control of the Permittee, the time for performance hereunder shall be extended for a period equal to the delay resulting from such circumstances.

#### IV. NOTICE OF RIGHTS

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

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

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

The petitioner shall mail a copy of the petition to the applicant at the address indicated above at the time of filing. The failure of any person to file a petition within the appropriate time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under Sections 120.569 and 120.57, F.S. Any subsequent intervention (in a proceeding initiated by another party) will be only at the discretion of the presiding officer upon the filing of a motion in compliance with Rule 28-106.205, F.A.C.

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

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

(g) A statement of the relief sought by the petitioner, stating precisely the action that the petitioner wants the Department to take.

A petition that does not dispute the material facts on which the Department's action is based shall state that no such facts are in dispute and otherwise shall contain the same information as set forth above, as required by Rule 28-106.301, F.A.C.

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

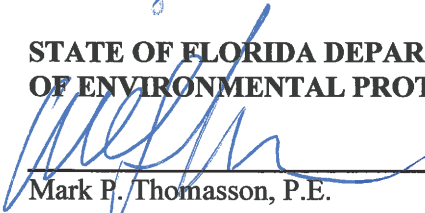
Mediation under Section 120.573, F.S., is not available for this proceeding.

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

Any party to the order has the right to seek judicial review of the order under Section 120.68, F.S., by the filing of a notice of appeal under rule 9.110 of the Florida Rules of Appellate Procedure with the Clerk of the Department in the Office of General Counsel, Mail Station 35, 3900 Commonwealth Boulevard, Tallahassee, Florida, 32399-3000; and by filing a copy of the notice of appeal accompanied by the applicable filing fees with the appropriate district court of appeal. The notice of appeal must be filed within 30 days from the date when the final order is filed with the Clerk of the Department.

DONE AND ORDERED on this 29 day of August 2012 in Tallahassee, Florida.

**STATE OF FLORIDA DEPARTMENT  
OF ENVIRONMENTAL PROTECTION**

  
Mark P. Thomasson, P.E.

Director

Division of Water Resource Management

**CLERK STAMP**

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

  
Clerk

08-29-12  
Date

Copies furnished to Permit Distribution List

**STATE OF FLORIDA  
INDUSTRIAL WASTEWATER FACILITY PERMIT**

**PERMITTEE:**  
Seminole Electric Cooperative Inc

**PERMIT NUMBER:** FL0036498-007 (Major)  
**FILE NUMBER:** FL0036498-007-IW1S  
**ISSUANCE DATE:** August 29, 2012  
**EXPIRATION DATE:** August 28, 2017

**RESPONSIBLE OFFICIAL:**  
W. Michael Roddy  
Post Office Box 272000  
Tampa, Florida 33688-2000  
(813) 963-0994

**FACILITY:**

Seminole Generating Station  
890 N Highway 17  
Palatka, FL 32177-8647  
Putnam County  
Latitude: 29°44' 15.92" N Longitude: 81°38' 5.04" W

This permit is issued under the provisions of Chapter 403, Florida Statutes (F.S.), and applicable rules of the Florida Administrative Code (F.A.C.) and constitutes authorization to discharge to waters of the state under the National Pollutant Discharge Elimination System. This permit is accompanied by an Administrative Order pursuant to paragraphs 403.088(2) (e) and (f), Florida Statutes (F.S.). Compliance with Administrative Order AO-027-TL is a specific requirement of this permit. This permit does not constitute authorization to discharge wastewater other than as expressly stated in this permit. The above named permittee is hereby authorized to operate the facilities in accordance with the documents attached hereto and specifically described as follows:

**FACILITY DESCRIPTION:**

The plant consists of two coal-fired steam electric generation (Units 1 and 2), with a total nameplate generating capacity of 1200 megawatts (MW). Each unit is equipped with a wet-limestone Flue Gas Desulfurization (FGD) system, which produces commercial-grade gypsum. Each unit is also equipped with Selective Catalytic Reduction (SCR) systems to reduce nitrogen oxide (NOx) emissions from the plant. Wastewater consists of Cooling Tower Blowdown (CTBD) from two natural draft cooling towers, Low Volume Wastewater (LVW), on-site domestic wastewater, and FGD purge stream. The treated wastewater streams enter into a surge tank and are then discharged via Outfall D-001 to the St. Johns River through a 900 foot submerged pipe.

**WASTEWATER TREATMENT:**

Treatment of coal pile runoff, bottom ash dewatering system flow, water treatment system wastewater and other LVW is achieved by an on-site wastewater treatment system consisting of equalization, neutralization, oil and grease removal, pH adjustment, coagulation/flocculation and sedimentation. Domestic wastewater is treated by an on-site aeration package treatment plant. Cooling tower make-up water is treated for biofouling control with sodium hypochlorite and sodium bromide and the CTBD is dehalogenated prior to discharge. The purge stream from the FGD system is treated in an on-site wastewater treatment system consisting of chemical precipitation/flocculation, clarification, and filtration. The treated FGD purge stream, CTBD, treated LVW, and treated domestic wastewater are routed to the surge tank and the combined flow is then discharged via Outfall D-001 to the St. Johns River through a 900 foot long submerged pipe.

PERMITTEE: Seminole Electric Cooperative Inc  
FACILITY: Seminole Generating Station, Units 1 & 2

PERMIT NUMBER: FL0036498-007 (Major)  
ISSUANCE DATE: August 29, 2012  
EXPIRATION DATE: August 28, 2017

#### **REUSE OR DISPOSAL:**

An existing Combined Plant Discharge from Units 1& 2 with a maximum permitted discharge of 7.46 MGD and projected annual average daily flow of 6.3 MGD to the St .Johns River (Class III fresh waters, WBID 2213L) through Outfall D-001 located approximately at latitude 29° 42' 41" N, longitude 81° 38' 14" W.

#### **Internal Outfalls:**

An existing Low Volume Wastewater (LVW) treatment system discharge to the pump suction tank where it is commingled with I-006 purge stream and then through Internal Outfall I-002 to the plant's surge tank and then discharged to Outfall D-001<sup>1</sup>.

An existing domestic wastewater treatment system discharge through Internal Outfall I-003 to the plant's surge tank then discharged to Outfall D-001.

An existing Units 1 and 2 cooling tower blowdown discharge through Internal Outfalls I-04A and I-04B (Units 1 and 2, respectively) to plant's surge tank then discharged to Outfall D-001<sup>1</sup>.

An existing treated Flue Gas Desulfurization (FGD) purge stream discharge (800 gpm) through Internal Outfall I-006 to the pump suction tank where it is commingled with LVW and then through the plant's surge tank and discharged to Outfall D-001.

**IN ACCORDANCE WITH:** The limitations, monitoring requirements and other conditions set forth in this Cover Sheet and Part I through Part IX on pages 1 through 26 of this permit.

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<sup>1</sup> Alternatively, during periods of low flow from LVW sources, a portion of the cooling tower blowdown flow (up to 1.44 mgd) and I-006 purge stream may be discharged to the LVW flow equalization basin for additional treatment and subsequent discharge via Internal Outfall I-002.

PERMITTEE: Seminole Electric Cooperative Inc  
 FACILITY: Seminole Generating Station, Units 1 & 2

PERMIT NUMBER: FL0036498-007 (Major)  
 ISSUANCE DATE: August 29, 2012  
 EXPIRATION DATE: August 28, 2017

## I. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

### A. Surface Water Discharges

- During the period beginning on the issuance date and lasting through the expiration date of this permit, the permittee is authorized to discharge the **Combined Plant Discharge** from Outfall D-001 to St. Johns River. Such discharge shall be limited and monitored by the permittee as specified below and reported in accordance with Permit Condition I.C.3.:

| Parameter                                    | Units    | Max/<br>Min | Effluent Limitations |                   | Monitoring Requirements  |                       |                        | Notes     |
|----------------------------------------------|----------|-------------|----------------------|-------------------|--------------------------|-----------------------|------------------------|-----------|
|                                              |          |             | Limit                | Statistical Basis | Frequency of Analysis    | Sample Type           | Monitoring Site Number |           |
| Flow                                         | MGD      | Max         | 7.46                 | Instantaneous     | Continuous               | Recorder <sup>2</sup> | EFF-1                  |           |
|                                              |          | Max         | Report               | Annual Average    |                          |                       |                        |           |
| Temperature (F), Water                       | Deg F    | Max         | 96.3                 | Daily Average     | Continuous               | Recorder              | EFF-1                  |           |
|                                              |          | Max         | 98.9                 | Instantaneous     |                          |                       |                        |           |
| Temperature Rise (F), Water                  | Deg F    | Max         | 26.3                 | Instantaneous     | Continuous               | Recorder              | EFF-1                  |           |
|                                              |          | Max         | Report               | Daily Average     |                          |                       |                        |           |
| Oxidants, Total Residual                     | mg/L     | Max         | 0.01                 | Daily Maximum     | Weekly                   | Grab                  | EFF-1                  | See I.A.3 |
| Turbidity                                    | NTU      | Max         | See I.A.4            | Monthly Average   |                          |                       |                        |           |
|                                              |          | Max         | Report               | Daily Maximum     | Weekly                   | Grab                  | EFF-1                  | See I.A.4 |
| pH                                           | s.u.     | Min         | 6.0                  | Monthly Average   |                          |                       |                        |           |
|                                              |          | Max         | 8.5                  | Instantaneous     | Weekly                   | Grab                  | EFF-1                  |           |
| Nitrite plus Nitrate, Total (as N)           | mg/L     | Max         | Report               | Single Sample     |                          |                       |                        |           |
|                                              |          | Max         | Report               | Single Sample     | Quarterly                | 8-hr FPC              | EFF-1, INT-1           |           |
| Ammonia, Unionized (as NH <sub>3</sub> )     | mg/L     | Max         | 0.02                 | Daily Maximum     |                          |                       |                        |           |
|                                              |          | Max         | Report               | Monthly Average   | Quarterly                | Calculated            | EFF-1                  | See I.A.5 |
| Nitrogen, Ammonia, Total (as N)              | mg/L     | Max         | Report               | Single Sample     |                          |                       |                        |           |
|                                              |          | Max         | Report               | Single Sample     | Quarterly                | 8-hr FPC              | EFF-1, INT-1           |           |
| Nitrogen, Kjeldahl, Total (as N)             | mg/L     | Max         | Report               | Single Sample     |                          |                       |                        |           |
|                                              |          | Max         | Report               | Single Sample     | Bi-weekly; every 2 weeks | 8-hr FPC              | EFF-1, INT-1           |           |
| Nitrogen, Total                              | mg/L     | Max         | Report               | Monthly Average   |                          |                       |                        |           |
|                                              |          | Max         | Report               | Monthly Average   | Monthly                  | Calculated            | EFF-1                  | See I.A.6 |
| Nitrogen Total (Monthly Net Loading)         | lbs/mth  | Max         | Report               | Monthly Total     |                          |                       |                        |           |
|                                              |          | Max         | Report               | Monthly Total     | Monthly                  | Calculated            | EFF-1                  | See I.A.6 |
| Nitrogen Total (Annual Net Loading)          | lbs/yr   | Max         | Report               | Annual Maximum    |                          |                       |                        |           |
|                                              |          | Max         | Report               | Annual Maximum    | Annually                 | Calculated            | EFF-1                  | See I.A.7 |
| Nitrogen Total (Combined Annual Net Loading) | lbs/yr   | Max         | 32,478               | Annual Maximum    |                          |                       |                        |           |
|                                              |          | Max         | Report               | Annual Maximum    | Quarterly                | 8-hr FPC              | EFF-1                  |           |
| Phosphorus, Total (as P)                     | mg/L     | Max         | Report               | Single Sample     |                          |                       |                        |           |
|                                              |          | Max         | Report               | Single Sample     | Quarterly                | 8-hr FPC              | EFF-1                  |           |
| Specific Conductance                         | umhos/cm | Max         | 8,653                | Daily Maximum     |                          |                       |                        |           |
|                                              |          | Max         | Report               | Monthly Average   | Quarterly                | 8-hr FPC              | EFF-1                  |           |
|                                              |          | Max         | Report               | Single Sample     |                          |                       |                        |           |

<sup>2</sup> Flow meters shall be calibrated at least once a year in accordance with the manufacturer recommendations. Calibration records shall be maintained on-site in accordance with Section V.2 of this permit.

PERMITTEE: Seminole Electric Cooperative Inc  
FACILITY: Seminole Generating Station, Units 1 & 2

PERMIT NUMBER: FL0036498-007 (Major)  
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|                                                                                     |         |             | Effluent Limitations |                   | Monitoring Requirements  |                |                           |           |
|-------------------------------------------------------------------------------------|---------|-------------|----------------------|-------------------|--------------------------|----------------|---------------------------|-----------|
| Parameter                                                                           | Units   | Max/<br>Min | Limit                | Statistical Basis | Frequency of<br>Analysis | Sample<br>Type | Monitoring<br>Site Number | Notes     |
| Oil and Grease                                                                      | mg/L    | Max         | 5.0                  | Daily Maximum     | Weekly                   | Grab           | EFF-1                     |           |
|                                                                                     |         | Max         | Report               | Monthly Average   |                          |                |                           |           |
|                                                                                     |         | Max         | Report               | Single Sample     | Weekly                   | Grab           | INT-1                     |           |
|                                                                                     |         | Max         | Report               | Single Sample     |                          |                |                           |           |
| Beryllium, Total Recoverable                                                        | ug/L    | Max         | 0.13 <sup>3</sup>    | Annual Average    | Quarterly                | 8-hr FPC       | EFF-1                     |           |
| Copper, Total Recoverable                                                           | ug/L    | Max         | 139.0                | Daily Maximum     | Quarterly                | 8-hr FPC       | EFF-1                     |           |
|                                                                                     |         | Max         | Report               | Monthly Average   |                          |                |                           |           |
|                                                                                     |         | Max         | Report               | Single Sample     | Quarterly                | 8-hr FPC       | INT-1                     |           |
|                                                                                     |         | Max         | Report               | Single Sample     |                          |                |                           |           |
| Cyanide, Total (as CN)                                                              | ug/L    | Max         | 19.6                 | Daily Maximum     | Monthly                  | Grab           | EFF-1                     |           |
|                                                                                     |         | Max         | Report               | Monthly Average   |                          |                |                           |           |
|                                                                                     |         | Max         | Report               | Single Sample     | Monthly                  | Grab           | INT-1                     |           |
|                                                                                     |         | Max         | Report               | Single Sample     |                          |                |                           |           |
| Iron, Total Recoverable                                                             | mg/L    | Max         | 1.70                 | Daily Maximum     | Quarterly                | 8-hr FPC       | EFF-1                     |           |
|                                                                                     |         | Max         | Report               | Monthly Average   |                          |                |                           |           |
|                                                                                     |         | Max         | Report               | Single Sample     | Quarterly                | 8-hr FPC       | INT-1                     |           |
|                                                                                     |         | Max         | Report               | Single Sample     |                          |                |                           |           |
| Mercury, Total Recoverable                                                          | ug/L    | Max         | 0.09 <sup>4</sup>    | Daily Maximum     | Monthly                  | Grab           | EFF-1                     |           |
|                                                                                     |         | Max         | Report               | Monthly Average   |                          |                |                           |           |
|                                                                                     |         | Max         | Report               | Single Sample     | Monthly                  | Grab           | INT-1                     |           |
|                                                                                     |         | Max         | Report               | Single Sample     |                          |                |                           |           |
| Nickel, Total Recoverable                                                           | ug/L    | Max         | See I.A.8            | Daily Maximum     | Quarterly                | 8-hr FPC       | EFF-1                     | See I.A.8 |
|                                                                                     |         | Max         | Report               | Monthly Average   |                          |                |                           |           |
| Hardness, Total (as CaCO <sub>3</sub> )                                             | mg/L    | Max         | Report               | Single Sample     | Quarterly                | 8-hr FPC       | EFF-1                     |           |
| Selenium, Total Recoverable                                                         | ug/L    | Max         | 11.7                 | Daily Maximum     | Monthly                  | 8-hr FPC       | EFF-1                     |           |
|                                                                                     |         | Max         | Report               | Monthly Average   |                          |                |                           |           |
|                                                                                     |         | Max         | Report               | Single Sample     | Monthly                  | 8-hr FPC       | INT-1                     |           |
|                                                                                     |         | Max         | Report               | Single Sample     |                          |                |                           |           |
| Silver, Total Recoverable                                                           | ug/L    | Max         | 0.07 <sup>5</sup>    | Daily Maximum     | Quarterly                | 8-hr FPC       | EFF-1                     |           |
|                                                                                     |         | Max         | Report               | Monthly Average   |                          |                |                           |           |
| Zinc, Total Recoverable                                                             | ug/L    | Max         | See I.A.8            | Daily Maximum     | Quarterly                | 8-hr FPC       | EFF-1                     | See I.A.8 |
|                                                                                     |         | Max         | Report               | Monthly Average   |                          |                |                           |           |
|                                                                                     |         | Max         | Report               | Single Sample     | Quarterly                | 8-hr FPC       | INT-1                     |           |
|                                                                                     |         | Max         | Report               | Single Sample     |                          |                |                           |           |
| TRO-Discharge Time                                                                  | min/day | Max         | 120                  | Instantaneous     | Daily; 24<br>hours       | Calculated     | EFF-1                     |           |
| Chronic Whole Effluent<br>Toxicity, 7-Day IC <sub>25</sub><br>(Ceriodaphnia dubia)  | percent | Min         | 100 <sup>6</sup>     | Single Sample     | Once every 2<br>months   | Grab           | EFF-1                     | See I.A.9 |
| Chronic Whole Effluent<br>Toxicity, 7-Day IC <sub>25</sub><br>(Pimephales promelas) | percent | Min         | 100 <sup>6</sup>     | Single Sample     | Once every 2<br>months   | Grab           | EFF-1                     | See I.A.9 |

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

| Monitoring Site Number | Description of Monitoring Site                                                  |
|------------------------|---------------------------------------------------------------------------------|
| EFF-1                  | At the discharge from the surge tank prior to mixing with the receiving waters. |
| INT-1                  | At the intake to the plant                                                      |

<sup>3</sup> If beryllium is not detected at or above the MDL for the test method used then the permittee shall report "BDL" on the DMR for beryllium. If a mean value is required then a value of zero shall be used in calculating the mean value.

<sup>4</sup> Consent Order OGC File No.12-0669 establishes an interim limitation for total recoverable mercury pursuant to the conditions of the Order.

<sup>5</sup> If silver is not detected at or above the MDL for the test method used then the permittee shall report "BDL" on the DMR for silver. If a mean value is required then a value of zero shall be used in calculating the mean value.

<sup>6</sup> Administrative Order AO-027-TL establishes an interim limitation for Whole Effluent Toxicity pursuant to the conditions of the Order.

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3. Total Residual Oxidants (TRO) sampling shall be performed by multiple grab samples. Multiple grabs shall consist of grab samples collected at approximately the beginning, middle, and end of an 8- hour period following initiation of cooling tower blowdown.
4. The limit for "Turbidity" shall be calculated as follows:

$$\text{Limit} = \text{Background Turbidity} + 29 \text{ NTU}$$

The measured effluent value shall be recorded on the DMR in the parameter row for "Turbidity (effluent)." The measured background value shall be recorded on the DMR in the parameter row for "Turbidity (background)" The calculated effluent limit shall be recorded on the DMR in the parameter row for "Turbidity (calculated limit)." Compliance with the effluent limitation is determined by calculating the difference between the measured effluent value and the calculated. The compliance value shall be recorded on the DMR in the parameter row for "Turbidity (effluent minus calculated limit)." The compliance value shall not exceed 0.00. [62-302.530(69)]

5. Effluent samples for pH and temperature shall be monitored at the same time and location as the total ammonia grab sample which is used to calculate the unionized ammonia value. Unionized ammonia shall be calculated using the DEP Standard Operating Procedure for "Calculation of Un-Ionized Ammonia in Fresh Water" dated February 12, 2001. [62-4.246(4) and [62-302.530(3)]
6. The net Total Nitrogen (TN) loading is defined as the pounds of TN discharged at EFF-1 minus the pounds of TN withdrawn at INT-1, over a corresponding period of time. The facility shall report the monthly net TN loading which equals the pounds of TN discharged during a month minus the pounds TN withdrawn during the same month. Monthly TN withdrawn and discharged (in pounds per month) is calculated based on total volume of water/wastewater withdrawn and discharged during that month. Intake and discharge TN concentrations for any given month shall be the average of the two TN samples taken during that month. The annual net TN loading (in pounds per year) on any given month is equal to the monthly TN net loading for that month plus the previous eleven monthly TN loadings and is considered a rolling annual maximum value.
7. The 32,478 lbs/year load limitation reflects the permittee's corrected Total Nitrogen load allocation established by the Basin Management Plan for the Lower St. Johns River. Compliance with this load limitation shall be determined using a combined (air and wastewater) rolling 12-month net TN loading determined as follows:
  - a. The permittee shall calculate the rolling 12-month air deposition TN offset amount in lbs/year based on a 12-month rolling average nitrogen oxide (NO<sub>x</sub>) emission rate in pounds per million British thermal units of heat input (lb/MMBTU), and the 12-month rolling average Total Heat Input Ratio, for Units 1 and 2. The 12-month rolling average NO<sub>x</sub> emission rate for Units 1 and 2 shall be determined using the previous 12 months of data collected from the certified Continuous Emissions Monitoring System (CEMS). The 12-month rolling average Total Heat Input Ratio for Units 1 and 2 shall be determined by dividing the 12-month rolling average total heat input for Units 1 and 2 by the baseline heat input of 101.96 x 10<sup>6</sup> MMBTU. For a 12-month rolling average NO<sub>x</sub> emission rate greater than 0.07 lb/MMBTU, the air deposition TN allowable offset amount shall be equal to zero. For a 12-month rolling average NO<sub>x</sub> emission rate less than or equal to 0.07 lb/MMBTU, the allowable TN offset amount in pounds per year (lbs/yr) shall be determined using the table below:

Emission Rates (lbs NO<sub>x</sub>/MMBTU)<sup>7</sup>

| Heat input capacity factor | 0.04  | 0.045 | 0.05  | 0.055 | 0.06  | 0.065 | 0.07  |
|----------------------------|-------|-------|-------|-------|-------|-------|-------|
| 1.05                       | 39343 | 38230 | 37116 | 36003 | 34888 | 33774 | 32661 |
| 1.04                       | 39429 | 38327 | 37222 | 36120 | 35015 | 33913 | 32809 |

<sup>7</sup> For emission rates that fall between the values provided the permittee shall use the lower TN offset amount for that range.

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|      |       |       |       |       |       |       |       |
|------|-------|-------|-------|-------|-------|-------|-------|
| 1.03 | 39513 | 38422 | 37328 | 36237 | 35143 | 34050 | 32959 |
| 1.02 | 39599 | 38516 | 37434 | 36351 | 35271 | 34189 | 33106 |
| 1.01 | 39683 | 38611 | 37540 | 36468 | 35397 | 34325 | 33254 |
| 1.00 | 39769 | 38708 | 37648 | 36585 | 35525 | 34464 | 33402 |
| 0.99 | 39852 | 38803 | 37754 | 36702 | 35653 | 34601 | 33552 |
| 0.98 | 39938 | 38898 | 37859 | 36819 | 35780 | 34740 | 33699 |
| 0.97 | 40022 | 38995 | 37965 | 36936 | 35906 | 34879 | 33849 |
| 0.96 | 40108 | 39090 | 38071 | 37052 | 36034 | 35015 | 33997 |
| 0.95 | 40192 | 39184 | 38177 | 37169 | 36162 | 35154 | 34147 |
| 0.94 | 40278 | 39281 | 38283 | 37286 | 36290 | 35291 | 34295 |
| 0.93 | 40362 | 39376 | 38388 | 37403 | 36415 | 35430 | 34442 |
| 0.92 | 40448 | 39471 | 38496 | 37520 | 36543 | 35567 | 34592 |
| 0.91 | 40531 | 39568 | 38602 | 37637 | 36671 | 35705 | 34740 |
| 0.90 | 40617 | 39663 | 38708 | 37754 | 36799 | 35844 | 34888 |
| 0.89 | 40701 | 39757 | 38814 | 37870 | 36925 | 35981 | 35037 |
| 0.88 | 40787 | 39852 | 38920 | 37987 | 37052 | 36120 | 35185 |
| 0.87 | 40871 | 39949 | 39026 | 38102 | 37180 | 36257 | 35335 |
| 0.86 | 40957 | 40044 | 39131 | 38219 | 37308 | 36396 | 35483 |
| 0.85 | 41041 | 40139 | 39237 | 38336 | 37434 | 36532 | 35631 |
| 0.84 | 41127 | 40236 | 39343 | 38452 | 37562 | 36671 | 35780 |
| 0.83 | 41210 | 40331 | 39451 | 38569 | 37690 | 36808 | 35928 |
| 0.82 | 41296 | 40425 | 39557 | 38686 | 37817 | 36947 | 36076 |
| 0.81 | 41380 | 40522 | 39663 | 38803 | 37943 | 37086 | 36226 |
| 0.80 | 41466 | 40617 | 39769 | 38920 | 38071 | 37222 | 36373 |

- b. The Combined Annual Net TN Loading shall be calculated by subtracting the air deposition TN offset amount in a) above from the rolling 12-month (annual) net TN discharge at EFF-1. The permittee shall report the rolling 12-month average NOx emission rate (in lb/MMBTU) and the Total Heat Input Ratio monthly to the Department along with the facility's DMR

8. The limit for "Nickel, Total Recoverable and Zinc, Total Recoverable" shall be calculated using the following equation(s):

$$Ni \leq e^{(0.846[\ln H]+0.0584)}$$

$$Zn \leq e^{(0.8473[\ln H]+0.884)}$$

Total hardness shall be measured at the time of the effluent sample. The "ln H" means the natural logarithm of total hardness expressed as mg/L of CaCO<sub>3</sub>. For metals criteria involving equations with hardness, the hardness shall be set at 25 mg/L if actual hardness is <25 mg/L and set at 400 mg/L if actual hardness is >400 mg/L.

The measured effluent value shall be recorded on the DMR in the parameter row for "Nickel, Total Recoverable and Zinc, Total Recoverable (effluent)." The calculated effluent limit shall be recorded on the DMR in the parameter row for "Nickel, Total Recoverable and Zinc, Total Recoverable (calculated limit)." Compliance with the effluent limitation is determined by calculating the difference between the measured effluent value and the calculated. The compliance value shall be recorded on the DMR in the parameter row for "Nickel, Total Recoverable and Zinc, Total Recoverable (effluent minus calculated limit)." The compliance value shall not exceed 0.00. [62-302.530(44) and 62-302.530(70)]

9. The permittee shall comply with the following requirements to evaluate chronic whole effluent toxicity of the discharge from Outfall D-001.

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- a. Effluent Limitation
  - (1) In any routine or additional follow-up test for chronic whole effluent toxicity, the 25 percent inhibition concentration (IC25) shall not be less than 100% effluent. [Rules 62-302.530(61) and 62-4.241(1)(b), F.A.C.]
  - (2) For acute whole effluent toxicity, the 96-hour LC50 shall not be less than 100% effluent in any test. [Rule 62-302.500(1)(a)4. and 62-4.241(1)(a), F.A.C.]
- b. Monitoring Frequency
  - (1) Routine toxicity tests shall be conducted once every two months, the first starting within 60 days of the issuance date of this permit and lasting for the duration of this permit.
  - (2) Upon completion of four consecutive, valid routine tests that demonstrate compliance with the effluent limitation in 9.a.(1) above, the permittee may submit a written request to the Department for a reduction in monitoring frequency to once every six months. The request shall include a summary of the data and the complete bioassay laboratory reports for each test used to demonstrate compliance. The Department shall act on the request within 45 days of receipt. Reductions in monitoring shall only become effective upon the Department's written confirmation that the facility has completed four consecutive valid routine tests that demonstrate compliance with the effluent limitation in 9.a.(1) above.
  - (3) If a test within the sequence of the four is deemed invalid based on the acceptance criteria in EPA-821-R-02-013, but is replaced by a repeat valid test initiated within 21 days after the last day of the invalid test, the invalid test will not be counted against the requirement for four consecutive valid tests for the purpose of evaluating the reduction of monitoring frequency.
- c. Sampling Requirements
  - (1) For each routine test or additional follow-up test conducted, a total of three grab samples of final effluent shall be collected and used in accordance with the sampling protocol discussed in EPA-821-R-02-013, Section 8.
  - (2) The first sample shall be used to initiate the test. The remaining two samples shall be collected according to the protocol and used as renewal solutions on Day 3 (48 hours) and Day 5 (96 hours) of the test.
  - (3) Samples for routine and additional follow-up tests shall not be collected on the same day.
- d. Test Requirements
  - (1) Routine Tests: All routine tests shall be conducted using a control (0% effluent) and a minimum of five test dilutions: **100%, 50%, 25%, 12.5%, and 6.25%** final effluent.
  - (2) The permittee shall conduct a daphnid, **Ceriodaphnia dubia**, Survival and Reproduction Test and a fathead minnow, **Pimephales promelas**, Larval Survival and Growth Test, concurrently.
  - (3) All test species, procedures and quality assurance criteria used shall be in accordance with **Short-term Methods for Estimating the Chronic Toxicity of Effluents and Receiving Waters to Freshwater Organisms**, 4th Edition, EPA-821-R-02-013. Any deviation of the bioassay procedures outlined herein shall be submitted in writing to the Department for review and approval prior to use. In the event the above method is revised, the permittee shall conduct chronic toxicity testing in accordance with the revised method.
  - (4) The control water and dilution water shall be moderately hard water as described in EPA-821-R-02-013, Section 7.2.3.
- e. Quality Assurance Requirements
  - (1) A standard reference toxicant (SRT) quality assurance (QA) chronic toxicity test shall be conducted with each species used in the required toxicity tests either concurrently or initiated no more than 30 days before the date of each routine or additional follow-up test conducted. Additionally, the SRT test must be conducted concurrently if the test organisms are obtained from outside the test laboratory unless the test organism supplier provides control chart data from at least the last five monthly chronic toxicity tests using the same reference toxicant and test conditions. If the organism supplier provides the required SRT data, the organism supplier's SRT data and the test laboratory's monthly SRT-QA data shall be included in the reports for each companion routine or additional follow-up test required.
  - (2) If the mortality in the control (0% effluent) exceeds 20% for either species in any test or does not meet "test acceptability criteria", the test for that species (including the control) shall be invalidated and the test repeated. Test acceptability criteria for each species are defined in EPA-821-R-02-013, Section

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13.12 (**Ceriodaphnia dubia**) and Section 11.11 (**Pimephales promelas**). The repeat test shall begin within 21 days after the last day of the invalid test.

- (3) If 100% mortality occurs in all effluent concentrations for either test species prior to the end of any test and the control mortality is less than 20% at that time, the test (including the control) for that species shall be terminated with the conclusion that the test fails and constitutes non-compliance.
- (4) Routine and additional follow-up tests shall be evaluated for acceptability based on the observed dose-response relationship as required by EPA-821-R-02-013, Section 10.2.6., and the evaluation shall be included with the bioassay laboratory reports.

f. Reporting Requirements

- (1) Results from all required tests shall be reported on the Discharge Monitoring Report (DMR) as follows:
  - (a) Routine and Additional Follow-up Test Results: The calculated IC25 for each test species shall be entered on the DMR.
- (2) A bioassay laboratory report for each routine test shall be prepared according to EPA-821-R-02-013, Section 10, Report Preparation and Test Review, and mailed to the Department at the address below within 30 days after the last day of the test.
- (3) For additional follow-up tests, a single bioassay laboratory report shall be prepared according to EPA-821-R-02-013, Section 10, and mailed within 30 days after the last day of the second valid additional follow-up test.
- (4) Data for invalid tests shall be included in the bioassay laboratory report for the repeat test.
- (5) The same bioassay data shall not be reported as the results of more than one test.
- (6) All bioassay laboratory reports shall be sent to:  
Florida Department of Environmental Protection  
Northeast District Office  
7825 Baymeadows Way, Suite 200B  
Jacksonville, Florida 32256

g. Test Failures

- (1) A test fails when the test results do not meet the limits in 9.a.(1).
- (2) Additional Follow-up Tests:
  - (a) If a routine test does not meet the chronic toxicity limitation in 9.a.(1) above, the permittee shall notify the Department at the address above within 21 days after the last day of the failed routine test and conduct two additional follow-up tests on each species that failed the test in accordance with 9.d.
  - (b) The first test shall be initiated within 28 days after the last day of the failed routine test. The remaining additional follow-up tests shall be conducted weekly thereafter until a total of two valid additional follow-up tests are completed.
  - (c) The first additional follow-up test shall be conducted using a control (0% effluent) and a minimum of five dilutions: 100%, 50%, 25%, 12.5%, and 6.25% effluent. The permittee may modify the dilution series in the second additional follow-up test to more accurately bracket the toxicity such that at least two dilutions above and two dilutions below the target concentration and a control (0% effluent) are run. All test results shall be analyzed according to the procedures in EPA-821-R-02-013.
- (3) In the event of three valid test failures (whether routine or additional follow-up tests) within a 12-month period, the permittee shall notify the Department within 21 days after the last day of the third test failure.
  - (a) The permittee shall submit a plan for correction of the effluent toxicity within 60 days after the last day of the third test failure.
  - (b) The Department shall review and approve the plan before initiation.
  - (c) The plan shall be initiated within 30 days following the Department's written approval of the plan.
  - (d) Progress reports shall be submitted quarterly to the Department at the address above.
  - (e) During the implementation of the plan, the permittee shall conduct quarterly routine whole effluent toxicity tests in accordance with 9.d. Additional follow-up tests are not required while the plan is in progress. Following completion or termination of the plan, the frequency of monitoring for routine and additional follow-up tests shall return to the schedule established in 9.b.(1). If a

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routine test is invalid according to the acceptance criteria in EPA-821-R-02-013, a repeat test shall be initiated within 21 days after the last day of the invalid routine test.

- (f) Upon completion of four consecutive quarterly valid routine tests that demonstrate compliance with the effluent limitation in 9.a.(1) above, the permittee may submit a written request to the Department to terminate the plan. The plan shall be terminated upon written verification by the Department that the facility has passed at least four consecutive quarterly valid routine whole effluent toxicity tests. If a test within the sequence of the four is deemed invalid, but is replaced by a repeat valid test initiated within 21 days after the last day of the invalid test, the invalid test will not be counted against the requirement for four consecutive quarterly valid routine tests for the purpose of terminating the plan.
- (4) If chronic toxicity test results indicate greater than 50% mortality within 96 hours in an effluent concentration equal to or less than the effluent concentration specified as the acute toxicity limit in 9.(a)(2), the Department may revise this permit to require acute definitive whole effluent toxicity testing.
- (5) The additional follow-up testing and the plan do not preclude the Department taking enforcement action for acute or chronic whole effluent toxicity failures.

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

10. Neither Free Available Oxidant (FAO) nor Total Residual Oxidant (TRO) shall be discharged from any one unit for more than two hours in any one day and not more than one unit shall discharge FAO or TRO at any one time (as required in 40 CFR 423.15(j)(1) and (2)).
11. The final mixing zones for those effluent parameters identified below are being granted to the permittee. The final mixing zones are in effect at the time of permit issuance. Compliance with the effluent limitations in Part I.A.1, above will provide demonstration the State water quality standards at the edge of the approved mixing zones are being met.

| Parameter                  | Final Mixing Zone Size (m <sup>2</sup> ) |
|----------------------------|------------------------------------------|
| Total Recoverable Copper   | 723                                      |
| Total Cyanide              | 125                                      |
| Total Recoverable Iron     | 1.2                                      |
| Total Recoverable Mercury  | 67,323                                   |
| Total Recoverable Selenium | 5.8                                      |
| Specific Conductance       | 176                                      |
| Temperature                | 2.0                                      |
| Temperature Rise           | 18.5                                     |

12. Within six months of the effective date of this permit, the permittee shall schedule a meeting with the Department to discuss the contents of a mixing zone(s) re-evaluation plan for all mixing zone listed in Condition I.A.11 above. The plan shall be submitted to the Department within 12 months of the effective date of this permit and shall be implemented within 24 months subsequent to approval by the Department. The results of the study shall be submitted no later than one-hundred and eighty days (180) prior to the expiration date of this permit.

#### B. Internal Outfalls

1. During the period beginning on the issuance date and lasting through the expiration date of this permit, the permittee is authorized to discharge **Treated Low Volume Wastewater from I-002** to the plant's surge tank and thence to Outfall D-001. Such discharge shall be limited and monitored by the permittee as specified below and reported in accordance with Permit Condition I.C.3.:

| Effluent Limitations | Monitoring Requirements |
|----------------------|-------------------------|
|----------------------|-------------------------|

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| Parameter               | Units | Max/<br>Min | Limit            | Statistical Basis                | Frequency<br>of Analysis | Sample<br>Type | Monitoring<br>Site Number | Notes |
|-------------------------|-------|-------------|------------------|----------------------------------|--------------------------|----------------|---------------------------|-------|
| Flow                    | MGD   | Max<br>Max  | Report<br>Report | Instantaneous<br>Monthly Average | Continuous               | Recorder       | OUI-1                     |       |
| Oil and Grease          | mg/L  | Max<br>Max  | 12.0<br>15.0     | Monthly Average<br>Daily Maximum | Weekly                   | Grab           | OUI-1                     |       |
| Solids, Total Suspended | mg/L  | Max<br>Max  | 30.0<br>81.0     | Monthly Average<br>Daily Maximum | Weekly                   | Grab           | OUI-1                     |       |

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

| Monitoring Site Number | Description of Monitoring Site                                                                                                                        |
|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| OUI-1                  | At a location after low volume wastewater treatment system effluent mixes with the treated FGD purge stream but prior to discharge to the surge tank. |

3. During the period beginning on the issuance date and lasting through the expiration date of this permit, the permittee is authorized to discharge **Domestic Wastewater Treatment System Effluent from I-003** to the plant's surge tank and thence to Outfall D-001. Such discharge shall be limited and monitored by the permittee as specified below and reported in accordance with Permit Condition I.C.3.:

| Effluent Limitations        |         |                   |                      |                                                    | Monitoring Requirements  |                |                           |       |
|-----------------------------|---------|-------------------|----------------------|----------------------------------------------------|--------------------------|----------------|---------------------------|-------|
| Parameter                   | Units   | Max/<br>Min       | Limit                | Statistical Basis                                  | Frequency of<br>Analysis | Sample<br>Type | Monitoring<br>Site Number | Notes |
| Flow                        | MGD     | Max               | 0.018                | Daily Average                                      | Continuous               | Totalizer      | OUI-2                     |       |
| Biochemical Oxygen Demand-5 | mg/L    | Max<br>Max<br>Max | 20.0<br>30.0<br>60.0 | Annual Average<br>Monthly Average<br>Daily Average | Monthly                  | Grab           | OUI-2                     |       |
| Solids, Total Suspended     | mg/L    | Max<br>Max<br>Max | 20.0<br>30.0<br>60.0 | Annual Average<br>Monthly Average<br>Daily Average | Monthly                  | Grab           | OUI-2                     |       |
| Coliform, Fecal             | #/100mL | Max<br>Max        | 200<br>800           | Annual Average<br>Instantaneous                    | Monthly                  | Grab           | OUI-2                     |       |
| Chlorine, Total Residual    | mg/L    | Min               | 0.5                  | Single Sample                                      | 5 Days/Week              | Grab           | OUI-2                     |       |

4. Effluent samples shall be taken at the monitoring site locations listed in Permit Condition I.B.3. and as described below:

| Monitoring Site Number | Description of Monitoring Site                                                                        |
|------------------------|-------------------------------------------------------------------------------------------------------|
| OUI-2                  | At the outlet from the domestic wastewater treatment system but prior to discharge to the surge tank. |

5. During the period of operation authorized by this permit, the domestic wastewater facilities shall be operated under the supervision of an operator certified in accordance with Chapter 61E12-41, F.A.C. In accordance with Chapter 62-699, F.A.C., this facility is a category III, class D facility and, at a minimum, an operator with appropriate certification must be on the site as follows:

A class D or higher operator for 3 nonconsecutive visits a week for 1 1/2 hours per week.

6. During the period beginning on the issuance date and lasting through the expiration date of this permit, the permittee is authorized to discharge Unit 1 cooling tower blowdown from **Internal Outfall I-04A** to the plant's surge tank and thence to Outfall D-001. Such discharge shall be limited and monitored by the permittee as specified below and reported in accordance with Permit Condition I.C.3.:

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|                         |          |             | Effluent Limitations |                                  | Monitoring Requirements  |             |                              |       |
|-------------------------|----------|-------------|----------------------|----------------------------------|--------------------------|-------------|------------------------------|-------|
| Parameter               | Units    | Max/<br>Min | Limit                | Statistical Basis                | Frequency of<br>Analysis | Sample Type | Monitoring<br>Site<br>Number | Notes |
| Flow                    | MGD      | Max<br>Max  | Report<br>Report     | Instantaneous<br>Monthly Average | Continuous               | Recorder    | OUI-3                        |       |
| Temperature (F), Water  | Deg F    | Max<br>Max  | Report<br>Report     | Instantaneous<br>Monthly Average | Continuous               | Recorder    | OUI-3                        |       |
| Solids, Total Suspended | mg/L     | Max         | Report               | Monthly Average                  | Weekly                   | Grab        | OUI-3                        |       |
| Specific Conductance    | umhos/cm | Max<br>Max  | Report<br>Report     | Instantaneous<br>Monthly Average | Continuous               | Meter       | OUI-3                        |       |

7. Effluent samples shall be taken at the monitoring site locations listed in Permit Condition I.B.6. and as described below:

| Monitoring Site Number | Description of Monitoring Site                                                                                           |
|------------------------|--------------------------------------------------------------------------------------------------------------------------|
| OUI-3                  | The outlet from Unit 1 cooling tower and at a location after dechlorination system prior to discharge to the surge tank. |

8. During the period beginning on the issuance date and lasting through the expiration date of this permit, the permittee is authorized to discharge Unit 2 cooling tower blowdown from **Internal Outfall I-04B** to the plant's surge tank and thence to Outfall D-001. Such discharge shall be limited and monitored by the permittee as specified below and reported in accordance with Permit Condition I.C.3.:

|                         |          |             | Effluent Limitations |                                  | Monitoring Requirements  |             |                              |       |
|-------------------------|----------|-------------|----------------------|----------------------------------|--------------------------|-------------|------------------------------|-------|
| Parameter               | Units    | Max/<br>Min | Limit                | Statistical Basis                | Frequency<br>of Analysis | Sample Type | Monitoring<br>Site<br>Number | Notes |
| Flow                    | MGD      | Max<br>Max  | Report<br>Report     | Instantaneous<br>Monthly Average | Continuous               | Recorder    | OUI-4                        |       |
| Temperature (F), Water  | Deg F    | Max<br>Max  | Report<br>Report     | Instantaneous<br>Monthly Average | Continuous               | Recorder    | OUI-4                        |       |
| Solids, Total Suspended | mg/L     | Max         | Report               | Monthly Average                  | Weekly                   | Grab        | OUI-4                        |       |
| Specific Conductance    | umhos/cm | Max<br>Max  | Report<br>Report     | Instantaneous<br>Monthly Average | Continuous               | Meter       | OUI-4                        |       |

9. Effluent samples shall be taken at the monitoring site locations listed in Permit Condition I.B.8. and as described below:

| Monitoring Site Number | Description of Monitoring Site                                                                                           |
|------------------------|--------------------------------------------------------------------------------------------------------------------------|
| OUI-4                  | The outlet from Unit 2 cooling tower and at a location after dechlorination system prior to discharge to the surge tank. |

10. Discharge of blowdown from the cooling towers shall be limited to the minimum discharge of recirculating water necessary for the purpose of discharging materials, contained in the process, the further buildup of which would cause concentrations or amounts exceeding limits established by best engineering practice.

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11. The permittee shall, within thirty days of the permit issuance and yearly thereafter, provided certification that the 126 priority pollutants (as listed in 40 CFR Part 423, Appendix A) are not being discharged in detectable concentrations in the cooling tower blowdown as a result of the addition of any maintenance chemicals.

Method 1- sampling at a frequency for not less than once per year for all priority pollutants reference above with submission of analysis results with each certification.

Method 2- submission of certification(s) from the manufacturer that each product used contains no priority pollutants. Such submission is required only once for each product used, unless subsequent changes in the product formulation occur or the product is obtained from a different source. Certifications for all products in used shall be maintained on site.

Method 3- calculations to assure that if priority pollutants are contained in any product(s), no discharge of any individual priority pollutant can occur at concentrations greater than 10 micrograms per liter due to dilution within the cooling system.

The certification shall be in the following form " I certify that no priority pollutants in excess of 10ppb are been discharged from any maintenance chemicals added to the cooling towers. Compliance is demonstrated by Method \_\_\_\_\_".

12. During the period beginning on the issuance date and lasting through the expiration date of this permit, the permittee is authorized to discharge from **Internal Outfall I-006-Treated FGD Purge Stream** and hence to Outfall D-001. Such discharge shall be limited and monitored by the permittee as specified below and reported in accordance with Permit Condition I.C.3.:

|                                 |              |             | Effluent Limitations |                                | Monitoring Requirements  |                |                           |       |
|---------------------------------|--------------|-------------|----------------------|--------------------------------|--------------------------|----------------|---------------------------|-------|
| Parameter                       | Units        | Max/<br>Min | Limit                | Statistical Basis              | Frequency<br>of Analysis | Sample<br>Type | Monitoring<br>Site Number | Notes |
| Flow                            | MGD          | Max<br>Max  | Report<br>Report     | Daily Average<br>Instantaneous | Continuous               | Totalizer      | OUI-5                     |       |
| Nitrogen, Ammonia, Total (as N) | mg/L         | Max         | Report               | Single Sample                  | Quarterly                | Grab           | OUI-5                     |       |
| Arsenic, Total Recoverable      | ug/L         | Max         | Report               | Single Sample                  | Quarterly                | 8-hr FPC       | OUI-5                     |       |
| Beryllium, Total Recoverable    | ug/L         | Max         | Report               | Single Sample                  | Quarterly                | 8-hr FPC       | OUI-5                     |       |
| Nitrogen, Total                 | mg/L         | Max         | Report               | Single Sample                  | Quarterly                | 8-hr FPC       | OUI-5                     |       |
| Cadmium, Total Recoverable      | ug/L         | Max         | Report               | Single Sample                  | Quarterly                | 8-hr FPC       | OUI-5                     |       |
| Chromium, Total Recoverable     | ug/L         | Max         | Report               | Single Sample                  | Quarterly                | 8-hr FPC       | OUI-5                     |       |
| Copper, Total Recoverable       | ug/L         | Max         | Report               | Single Sample                  | Quarterly                | 8-hr FPC       | OUI-5                     |       |
| Cyanide, Total (as CN)          | mg/L         | Max         | Report               | Single Sample                  | Quarterly                | Grab           | OUI-5                     |       |
| Iron, Total Recoverable         | mg/L         | Max         | Report               | Single Sample                  | Quarterly                | 8-hr FPC       | OUI-5                     |       |
| Lead, Total Recoverable         | ug/L         | Max         | Report               | Single Sample                  | Quarterly                | 8-hr FPC       | OUI-5                     |       |
| Mercury, Total Recoverable      | ug/L         | Max         | Report               | Single Sample                  | Quarterly                | Grab           | OUI-5                     |       |
| Nickel, Total Recoverable       | ug/L         | Max         | Report               | Single Sample                  | Quarterly                | 8-hr FPC       | OUI-5                     |       |
| Selenium, Total Recoverable     | ug/L         | Max         | Report               | Single Sample                  | Quarterly                | 8-hr FPC       | OUI-5                     |       |
| Silver, Total Recoverable       | ug/L         | Max         | Report               | Single Sample                  | Quarterly                | 8-hr FPC       | OUI-5                     |       |
| Zinc, Total Recoverable         | ug/L         | Max         | Report               | Single Sample                  | Quarterly                | 8-hr FPC       | OUI-5                     |       |
| Specific Conductance            | umhos<br>/cm | Max         | Report               | Single Sample                  | Quarterly                | 8-hr FPC       | OUI-5                     |       |

13. Effluent samples shall be taken at the monitoring site locations listed in Permit Condition I.B.12. and as described below:

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| Monitoring Site Number | Description of Monitoring Site                                                                                                          |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| OUI-5                  | After the discharge from the FGD purge stream wastewater treatment system but prior to mixing with other low volume wastewater streams. |

### C. Other Limitations and Monitoring and Reporting Requirements

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

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

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

2. The permittee shall provide safe access points for obtaining representative influent and effluent samples which are required by this permit. [62-620.320(6)]
3. Monitoring requirements under this permit are effective on the first day of the second month following permit issuance. Until such time, the permittee shall continue to monitor and report in accordance with previously effective permit requirements, if any. During the period of operation authorized by this permit, the permittee shall complete and submit to the Department Discharge Monitoring Reports (DMRs) in accordance with the frequencies specified by the REPORT type (i.e. monthly, toxicity, quarterly, semiannual, annual, etc.) indicated on the DMR forms attached to this permit. Monitoring results for each monitoring period shall be submitted in accordance with the associated DMR due dates below. DMRs shall be submitted for each required monitoring period including periods of no discharge.

| REPORT Type on DMR | Monitoring Period                      | Due Date                                |
|--------------------|----------------------------------------|-----------------------------------------|
| Monthly            | first day of month - last day of month | 28 <sup>th</sup> day of following month |
| Quarterly          | January 1 - March 31                   | April 28                                |
|                    | April 1 - June 30                      | July 28                                 |
|                    | July 1 - September 30                  | October 28                              |
|                    | October 1 - December 31                | January 28                              |
| Semiannual         | January 1 - June 30                    | July 28                                 |

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|        |                         |            |
|--------|-------------------------|------------|
|        | July 1 - December 30    | January 28 |
| Annual | January 1 - December 31 | January 28 |

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

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

If submitting electronic DMR forms, the permittee shall use the electronic DMR system(s) approved in writing by the Department and shall electronically submit the completed DMR forms to the Department by the twenty-eighth (28th) of the month following the month of operation. Data submitted in electronic format is equivalent to data submitted on signed and certified paper DMR forms. [62-620.610(18)]

2. Unless specified otherwise in this permit, all reports and other information required by this permit, including 24-hour notifications, shall be submitted to or reported to the Northeast District Office at the address specified below:

Northeast District Office  
7825 Baymeadows Way, Suite 200B  
Jacksonville, Florida 32256  
Phone Number - (904) 256-1700

4. All reports and other information shall be signed in accordance with the requirements of Rule 62-620.305, F.A.C. [62-620.305]
5. If there is no discharge from the facility on a day when the facility would normally sample, the sample shall be collected on the day of the next discharge. [62-620.320(6)]
6. The discharge of metal cleaning waste to surface waters is not authorized by this permit. Metal cleaning waste is any wastewater resulting from cleaning, with or without chemical cleaning compounds any metal process equipment including, but not limited to, boiler tube cleaning, boiler fireside cleaning, and air preheater cleaning. For clarification, waterborne residues derived from cleaning any metals process equipment are considered metal cleaning waste. However, wastewater resulting from washing the exterior surface of metal non-process equipment is not considered metal cleaning waste. Other unauthorized discharges include the discharge of construction runoff.
7. The permittee shall not store coal, soil, or other similar erodable materials in a manner in which runoff is uncontrolled, nor conduct construction activities in a manner, which produces uncontrolled runoff unless such uncontrolled runoff has been specifically approved by the Department. "Uncontrolled shall mean without a sedimentation basin or other controls approved by the Department.
8. Flush water used to remove ash adhering to the boiler tubes after a unit is taken off-line (i.e. non-chemical boiler flush water) may be discharged to the bottom ash transport water system and the low volume wastewater treatment facility prior to final discharge via Outfall D-001.
9. Intake screen backwash may be discharged without limitation or monitoring requirements.
10. There shall be no discharge of polychlorinated biphenyl compounds such as those commonly used for transformer fluid.

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11. There shall be no discharge of floating debris, scum, oil, or other matter in such amounts as to form nuisances or produce color, odor, taste, turbidity, or other conditions in such degree as to create a nuisance or otherwise interfere with the beneficial use of the receiving waters in accordance with FAC 62-302.500(1)(a) and 62-302.530(50)(b). Any such discharge to water of the State shall be reported to the Department when submitting DMR's.
13. Discharge of any product registered under the Federal Insecticide, Fungicide, and Rodenticide Act to any waste stream, which ultimately may be released, to waters of the State is prohibited unless specifically authorized elsewhere in this permit. This requirement is not applicable to products used for lawn and agricultural purposes or to the use of herbicides if used in accordance with labeled instructions and any applicable State permit.

The company shall notify the Department in writing no later than six (6) months prior to instituting use of any biocide or chemical used in the cooling systems or any other portion of the treatment system which may be toxic to aquatic life. Such notification shall include:

- a. Name and general composition of biocide or chemical
- b. Frequencies of use
- c. Quantities to be used
- d. Proposed effluent concentrations
- e. Acute and/or chronic toxicity data (laboratory reports shall be prepared according to Section 12 of EPA document number EPA-821-R-02-013 entitled Short-term Methods for Estimating the chronic Toxicity of Effluents and Receiving Waters to Freshwater Organisms, or most current edition).
- f. Product data sheet
- g. Product label

The Department shall review the above information to determine if a major or minor permit revision is necessary. Discharge associated with the use of such biocide or chemical is not authorized without a permit revision by the Department.

## **II. SLUDGE MANAGEMENT REQUIREMENTS**

1. Disposal of sludge in a solid waste management facility permitted by the Department shall be in accordance with the requirements of Chapter 62-701, F.A.C., and as allowed in the facility's Conditions of Certification or modifications thereof, Reference 78-10.
2. Storage, transportation, and disposal of sludge/solids characterized as hazardous waste shall be in accordance with requirements of Chapter 62-730, F.A.C. [62-730]

## **III. GROUND WATER REQUIREMENTS**

Groundwater requirements are addressed in the Conditions of Certification (PA-78-10), or modifications thereof.

## **IV. ADDITIONAL LAND APPLICATION REQUIREMENTS**

The permittee is authorized to discharge to the percolation ponds in accordance with the Conditions of Certification (PA 78-10), or modification thereof.

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## V. OPERATION AND MAINTENANCE REQUIREMENTS

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

[62-620.350]

## VI. SCHEDULES

1. A Best Management Practices Pollution Prevention (BMP3) Plan shall be prepared and implemented in accordance with Part VII of this permit and the following schedule:

| Action Item                                     | Completion Date         |
|-------------------------------------------------|-------------------------|
| 1. Continue implementing the existing BMP3 Plan | Issuance date of permit |

2. The permittee is not authorized to discharge to waters of the state after the expiration date of this permit, unless:
  - a. The permittee has applied for renewal of this permit at least 180 days before the expiration date of this permit using the appropriate forms listed in Rule 62-620.910, F.A.C., and in the manner established in the Department of Environmental Protection Guide to Permitting Wastewater Facilities or Activities Under Chapter 62-620, F.A.C., including submittal of the appropriate processing fee set forth in Rule 62-4.050, F.A.C.; or
  - b. The permittee has made complete the application for renewal of this permit before the permit expiration date.
3. The mixing zone evaluation study as required in Condition I.A.12 shall be implemented in accordance with the following schedule:

| Action Item                                        | Completion Date                         |
|----------------------------------------------------|-----------------------------------------|
| 1. Submission of Plan for Mixing Zone Evaluation   | Issuance Date of Permit plus 12 months  |
| 2. Implement Plan for Mixing Zone                  | Within 24 months of Department Approval |
| 3. Submission of Results of Mixing Zone Evaluation | 180 Days Prior to Permit Expiration     |

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

## VII. BEST MANAGEMENT PRACTICES/STORMWATER POLLUTION PREVENTION PLANS

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## 1. General Conditions

In accordance with Section 304(e) and 402(a)(2) of the Clean Water Act (CWA) as amended, 33 U.S.C. §§ 1251 et seq., and the Pollution Prevention Act of 1990, 42 U.S.C. §§ 13101-13109, the permittee must develop and implement a plan for utilizing practices incorporating pollution prevention measures. References to be considered in developing the plan are "Criteria and Standards for Best Management Practices Authorized Under Section 304(e) of the Act," found at 40 CFR 122.44 Subpart K and the Waste Minimization Opportunity Assessment Manual, EPA/625/7-88/003.

### a. Definitions

- (1) The term "pollutants" refers to conventional, non-conventional and toxic pollutants.
- (2) Conventional pollutants are: biochemical oxygen demand (BOD), suspended solids, pH, fecal coliform bacteria and oil & grease.
- (3) Non-conventional pollutants are those which are not defined as conventional or toxic.
- (4) Toxic pollutants include, but are not limited to: (a) any toxic substance listed in Section 307(a)(1) of the CWA, any hazardous substance listed in Section 311 of the CWA, or chemical listed in Section 313(c) of the Superfund Amendments and Reauthorization Act of 1986; and (b) any substance (that is not also a conventional or non-conventional pollutant except ammonia) for which EPA has published an acute or chronic toxicity criterion.
- (5) "Pollution prevention" and "waste minimization" refer to the first two categories of EPA's preferred hazardous waste management strategy: first, source reduction and then, recycling.
- (6) "Recycle/Reuse" is defined as the minimization of waste generation by recovering and reprocessing usable products that might otherwise become waste; or the reuse or reprocessing of usable waste products in place of the original stock, or for other purposes such as material recovery, material regeneration or energy production.
- (7) "Source reduction" means any practice which: (a) reduces the amount of any pollutant entering a waste stream or otherwise released into the environment (including fugitive emissions) prior to recycling, treatment or disposal; and (b) reduce the hazards to public health and the environment associated with the release of such pollutant. The term includes equipment or technology modifications, process or procedure modifications, reformulation or redesign of products, substitution of raw materials, and improvements in housekeeping, maintenance, training, or inventory control. It does not include any practice which alters the physical, chemical, or biological characteristics or the volume of a pollutant through a process or activity which itself is not integral to, or previously considered necessary for, the production of a product or the providing of a service.
- (8) "BMP3" means a Best Management Plan incorporating the requirements of 40 CFR § 122.44, Subpart K, plus pollution prevention techniques associated with a Waste Minimization Assessment.
- (9) "Waste Minimization Assessment" means a systematic planned procedure with the objective of identifying ways to reduce or eliminate waste.

## 2. Best Management Practices/Pollution Prevention Plan

The permittee shall develop and implement a BMP3 plan for the facility, which is the source of wastewater and storm water discharges, covered by this permit. The plan shall be directed toward reducing those pollutants of concern which discharge to surface waters and shall be prepared in accordance with good engineering and good housekeeping practices. For the purposes of this permit, pollutants of concern shall be limited to toxic pollutants, as defined above, known to the discharger. The plan shall address all activities which could or do contribute these pollutants to the surface water discharge, including process, treatment, and ancillary activities.

### a. Signatory Authority & Management Responsibilities

The BMP3 plan shall be signed by permittee or their duly authorized representative in accordance with rule 62-620.305(2)(a) and (b). The BMP3 plan shall be reviewed by plant environmental/engineering staff and plant manager. Where required by Chapter 471-(P.E.) or Chapter 492 (P.G.) Florida Statutes, applicable portions of the BMP3 plan shall be signed and sealed by the professional(s) who prepared them.

A copy of the plan shall be retained at the facility and shall be made available to the permit issuing authority upon request.

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The BMP3 plan shall contain a written statement from corporate or plant management indicating management's commitment to the goals of the BMP3 program. Such statements shall be publicized or made known to all facility employees. Management shall also provide training for the individuals responsible for implementing the BMP3 plan.

b. BMP3 Plan Requirements

- (1) Name & description of facility, a map illustrating the location of the facility & adjacent receiving waters, and other maps, plot plans or drawings, as necessary;
- (2) Overall objectives (both short-term and long-term) and scope of the plan, specific reduction goals for pollutants, anticipated dates of achievement of reduction, and a description of means for achieving each reduction goal;
- (3) A description of procedures relative to spill prevention, control & countermeasures and a description of measures employed to prevent storm water contamination;
- (4) A description of practices involving preventive maintenance, housekeeping, recordkeeping, inspections, and plant security; and
- (5) The description of a waste minimization assessment performed in accordance with the conditions outlined in condition c below, results of the assessment, and a schedule for implementation of specific waste reduction practices.

c. Waste Minimization Assessment

The permittee is encouraged but not required to conduct A waste minimization assessment (WMA) for this facility to determine actions that could be taken to reduce waste loading and chemical losses to all wastewater and/or storm water streams as described in Part VII.D.2 of this permit.

If the permittee elects to develop and implement a WMA, information on plan components can be obtained from the Department's Industrial Wastewater website, or from:

Florida Department of Environmental Protection  
Industrial Wastewater Section, Mail Station 3545  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400  
(850) 245-8589  
(850) 245-8669 – Fax

d. Best Management Practices & Pollution Prevention Committee Recommended:

A Best Management Practices Committee (Committee) should be established to direct or assist in the implementation of the BMP3 plan. The Committee should be comprised of individuals within the plant organization who are responsible for developing the BMP3 plan and assisting the plant manager in its implementation, monitoring of success, and revision. The activities and responsibilities of the Committee should address all aspects of the facility's BMP3 plan. The scope of responsibilities of the Committee should be described in the plan.

e. Employee Training

Employee training programs shall inform personnel at all levels of responsibility of the components & goals of the BMP3 plan and shall describe employee responsibilities for implementing the plan. Training shall address topics such as good housekeeping, materials management, record keeping & reporting, spill prevention & response, as well as specific waste reduction practices to be employed. Training should also disclose how individual employees may contribute suggestions concerning the BMP3 plan or suggestions regarding Pollution Prevention. The plan shall identify periodic dates for such training.

f. Plan Development & Implementation

The BMP3 plan shall be developed and implemented 6 months after the effective date of this permit, unless any later dates are specified in this permit. Any portion of the WMA which is ongoing at the time of development or implementation shall be described in the plan. Any waste reduction practice which is recommended for implementation over a period of time shall be identified in the plan, including a schedule for its implementation.

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g. Submission of Plan Summary & Progress/Update Reports

- (1) Plan Summary: Not later than 2 years after the effective date of the permit, a summary of the BMP3 plan shall be developed and maintained at the facility and made available to the permit issuing authority upon request. The summary should include the following: a brief description of the plan, its implementation process, schedules for implementing identified waste reduction practices, and a list of all waste reduction practices being employed at the facility. The results of waste minimization assessment studies already completed as well as any scheduled or ongoing WMA studies shall be discussed.
- (2) Progress/Update Reports: Annually thereafter for the duration of the permit progress/update reports documenting implementation of the plan shall be maintained at the facility and made available to the permit issuing authority upon request. The reports shall discuss whether or not implementation schedules were met and revise any schedules, as necessary. The plan shall also be updated as necessary and the attainment or progress made toward specific pollutant reduction targets documented. Results of any ongoing WMA studies as well as any additional schedules for implementation of waste reduction practices shall be included.
- (3) A timetable for the various plan requirements follows:

Timetable for BMP3 Plan Requirements:

| <u>REQUIREMENT</u>      | <u>TIME FROM EFFECTIVE DATE OF THIS PERMIT</u> |
|-------------------------|------------------------------------------------|
| Complete WMA            | 6 months                                       |
| Progress/Update Reports | 3 years, and then annually thereafter          |

The permittee shall maintain the plan and subsequent reports at the facility and shall make the plan available to the Department upon request.

h. Plan Review & Modification

If following review by the Department, the BMP3 plan is determined insufficient, the permittee will be notified that the BMP3 plan does not meet one or more of the minimum requirements of this Part. Upon such notification from the Department, the permittee shall amend the plan and shall submit to the Department a written certification that the requested changes have been made. Unless otherwise provided by the Department, the permittee shall have 30 days after such notification to make the changes necessary.

The permittee shall modify the BMP3 plan whenever there is a change in design, construction, operation, or maintenance, which has a significant effect on the potential for the discharge of pollutants to waters of the State or if the plan proves to be ineffective in achieving the general objectives of reducing pollutants in wastewater or storm water discharges. Modifications to the plan may be reviewed by the Department in the same manner as described above.

## VIII. OTHER SPECIFIC CONDITIONS

### A. Specific Conditions Applicable to All Permits

1. Where required by Chapter 471 or Chapter 492, F.S., applicable portions of reports that must be submitted under this permit shall be signed and sealed by a professional engineer or a professional geologist, as appropriate. [62-620.310(4)]
2. Drawings, plans, documents or specifications submitted by the permittee, not attached hereto, but retained on file at the Department's District Office, are made a part hereof.
3. This permit satisfies Industrial Wastewater program permitting requirements only and does not authorize operation of this facility prior to obtaining any other permits required by local, state or federal agencies.
4. The permittee shall provide verbal notice to the Department's District Office as soon as practical after discovery of a sinkhole or other karst feature within an area for the management or application of wastewater or wastewater sludges. The permittee shall immediately implement measures appropriate to control the entry of

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contaminants, and shall detail these measures to the Department's Southwest District Office in a written report within 7 days of the sinkhole discovery. [62-620.320(6)]

**B. Specific Conditions Related to Existing Manufacturing, Commercial, Mining, and Silviculture Wastewater Facilities or Activities**

1. Existing manufacturing, commercial, mining, and silvicultural wastewater facilities or activities that discharge into surface waters shall notify the Department as soon as they know or have reason to believe:
  - a. That any activity has occurred or will occur which would result in the discharge, on a routine or frequent basis, of any toxic pollutant which is not limited in the permit, if that discharge will exceed the highest of the following levels;
    - (1) One hundred micrograms per liter,
    - (2) Two hundred micrograms per liter for acrolein and acrylonitrile; five hundred micrograms per liter for 2, 4-dinitrophenol and for 2-methyl-4, 6-dinitrophenol; and one milligram per liter for antimony, or
    - (3) Five times the maximum concentration value reported for that pollutant in the permit application; or
  - b. That any activity has occurred or will occur which would result in any discharge, on a non-routine or infrequent basis, of a toxic pollutant which is not limited in the permit, if that discharge will exceed the highest of the following levels;
    - (1) Five hundred micrograms per liter,
    - (2) One milligram per liter for antimony, or
    - (3) Ten times the maximum concentration value reported for that pollutant in the permit application.

**C. Duty to Reapply**

1. The permittee is not authorized to discharge to waters of the State after the expiration date of this permit, unless:
    - a. the permittee has applied for renewal of this permit at least 180 days before the expiration date (**March 1, 2017**) using the appropriate forms listed in Rule 62-620.910, F.A.C., and in the manner established in the Department of Environmental Protection Guide to Permitting Wastewater Facilities or Activities Under Chapter 62-620, F.A.C., including submittal of the appropriate processing fee set forth in Rule 62-4.050, F.A.C.; or
    - b. the permittee has made complete the application for renewal of this permit before the permit expiration date.
- [62-620.335(1)-(4), F.A.C.]
2. When publishing Notice of Draft and Notice of Intent in accordance with Rules 62-110.106 and 62-620.550, F.A.C., the permittee shall publish the notice at its expense in a newspaper of general circulation in the county or counties in which the activity is to take place either
    - a. Within thirty days after the permittee has received a notice; or
    - b. Within thirty days after final agency action.

Failure to publish a notice is a violation of this permit.

**D. Impoundment Design, Construction, Operation, and Maintenance**

1. All impoundments used to hold or treat wastewater and other associated wastes shall be operated and maintained to prevent the discharge of pollutants to waters of the State, except as authorized under this permit.
2. Operation and maintenance of any impoundment shall be in accordance with all applicable State regulations. When practicable, piezometers or other instrumentation shall be used as a means to aid monitoring of impoundment integrity.
3. Impoundment Integrity Inspections

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- a. No later than January 31, 2013, and annually thereafter, all impoundments shall be inspected by qualified personnel with knowledge and training in impoundment integrity. Annual inspections shall include observations of dike and toe areas for erosion, cracks or bulges, seepage, wet or soft soil, changes in geometry, the depth and elevation of the impounded water, sediment or slurry, freeboard, changes in vegetation such as overly lush, dead or unnaturally tilted vegetation, and any other changes which may indicate a potential compromise to impoundment integrity.
- b. Within 30 days after the annual inspection, a qualified company employee with knowledge and training in impoundment integrity shall certify to the Department that no breaches or structural defects resulting in the discharges to surface waters of the State and that no changes were observed which may indicate a potential compromise to impoundment integrity during the previous calendar year.

The certification shall also include a statement that the impoundment provides the necessary minimum wet weather detention volume to contain the combined volume for all direct rainfall and all rainfall runoff to the pond resulting from the 10-year, 24-hour rainfall event and maximum dry weather plant waste flows which could occur during a 24-hour period.

- c. The permittee shall conduct follow-up inspections within 7 days after large or extended rain events (i.e., 25-year, 24-hour precipitation event).
- d. In the event that a critical condition in the impoundment, such as the conditions listed below, is suspected that may result in a potential discharge to surface waters of the State, the permittee shall notify the Department within twenty-four (24) hours of becoming aware of the situation and provide a proposed course of corrective action and implementation schedule within fifteen (15) days from the time existence of the critical condition is confirmed and the Department was notified.

Critical conditions include observed changes such as concentrated seepage on the downstream of the slope, at the top of the slope, or downstream from the toe of the slope, evidence of slope instability including sloughing, bulging, or heaving of the downstream slope, or subsidence of the impoundment slope or crest, cracking of surface on the crest or either face of the impoundment, or general or concentrated seepage in the vicinity of or around any conduit through the impoundment may be signs imminent impoundment failure and should be addressed immediately.

#### 4. Reporting and Recordkeeping Requirements for Impoundments

- a. The summarized findings of all monitoring activities, inspections, and corrective actions pertaining to the impoundment integrity, and operation and maintenance of all impoundments shall be documented and kept on-site in accordance with permit Condition V.C, and made available to Department inspectors upon request.
- b. Starting with the issuance of this permit, all pertinent impoundment permits, design, construction, operation, and maintenance information, including but not limited to: plans, geotechnical and structural integrity studies, inspection reports, copies of permits, and any associated certifications by Florida-registered professional engineers, and regulatory approvals, shall be kept on site in accordance with permit Condition V.2 and made available to Department inspectors upon request.

#### E. Analytical Interferences

1. When laboratory reported MDLs and PQLs are above the Department's target MDLs and PQLs and the reported MDLs are above the permits limits, the permittee shall provide a written demonstration to the Northeast District Office for the need for higher MDLs and PQLs and how the reported MDLs and PQLs were derived or adjusted.

#### IX. GENERAL CONDITIONS

1. The terms, conditions, requirements, limitations and restrictions set forth in this permit are binding and enforceable pursuant to Chapter 403, Florida Statutes. Any permit noncompliance constitutes a violation of Chapter 403, Florida Statutes, and is grounds for enforcement action, permit termination, permit revocation and reissuance, or permit revision. [62-620.610(1)]

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2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviations from the approved drawings, exhibits, specifications or conditions of this permit constitutes grounds for revocation and enforcement action by the Department. [62-620.610(2)]
3. As provided in subsection 403.087(7), F.S., the issuance of this permit does not convey any vested rights or any exclusive privileges. Neither does it authorize any injury to public or private property or any invasion of personal rights, nor authorize any infringement of federal, state, or local laws or regulations. This permit is not a waiver of or approval of any other Department permit or authorization that may be required for other aspects of the total project which are not addressed in this permit. [62-620.610(3)]
4. This permit conveys no title to land or water, does not constitute state recognition or acknowledgment of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the State. Only the Trustees of the Internal Improvement Trust Fund may express State opinion as to title. [62-620.610(4)]
5. This permit does not relieve the permittee from liability and penalties for harm or injury to human health or welfare, animal or plant life, or property caused by the construction or operation of this permitted source; nor does it allow the permittee to cause pollution in contravention of Florida Statutes and Department rules, unless specifically authorized by an order from the Department. The permittee shall take all reasonable steps to minimize or prevent any discharge, reuse of reclaimed water, or residuals use or disposal in violation of this permit which has a reasonable likelihood of adversely affecting human health or the environment. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. [62-620.610(5)]
6. If the permittee wishes to continue an activity regulated by this permit after its expiration date, the permittee shall apply for and obtain a new permit. [62-620.610(6)]
7. The permittee shall at all times properly operate and maintain the facility and systems of treatment and control, and related appurtenances, that are installed and used by the permittee to achieve compliance with the conditions of this permit. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to maintain or achieve compliance with the conditions of the permit. [62-620.610(7)]
8. This permit may be modified, revoked and reissued, or terminated for cause. The filing of a request by the permittee for a permit revision, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance does not stay any permit condition. [62-620.610(8)]
9. The permittee, by accepting this permit, specifically agrees to allow authorized Department personnel, including an authorized representative of the Department and authorized EPA personnel, when applicable, upon presentation of credentials or other documents as may be required by law, and at reasonable times, depending upon the nature of the concern being investigated, to:
  - a. Enter upon the permittee's premises where a regulated facility, system, or activity is located or conducted, or where records shall be kept under the conditions of this permit;
  - b. Have access to and copy any records that shall be kept under the conditions of this permit;
  - c. Inspect the facilities, equipment, practices, or operations regulated or required under this permit; and
  - d. Sample or monitor any substances or parameters at any location necessary to assure compliance with this permit or Department rules.[62-620.610(9)]
10. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data, and other information relating to the construction or operation of this permitted source which are submitted to the Department may be used by the Department as evidence in any enforcement case involving the permitted source arising under the Florida Statutes or Department rules, except as such use is proscribed by Section 403.111, F.S., or Rule 62-

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620.302, F.A.C. Such evidence shall only be used to the extent that it is consistent with the Florida Rules of Civil Procedure and applicable evidentiary rules. [62-620.610(10)]

11. When requested by the Department, the permittee shall within a reasonable time provide any information required by law which is needed to determine whether there is cause for revising, revoking and reissuing, or terminating this permit, or to determine compliance with the permit. The permittee shall also provide to the Department upon request copies of records required by this permit to be kept. If the permittee becomes aware of relevant facts that were not submitted or were incorrect in the permit application or in any report to the Department, such facts or information shall be promptly submitted or corrections promptly reported to the Department. [62-620.610(11)]
12. Unless specifically stated otherwise in Department rules, the permittee, in accepting this permit, agrees to comply with changes in Department rules and Florida Statutes after a reasonable time for compliance; provided, however, the permittee does not waive any other rights granted by Florida Statutes or Department rules. A reasonable time for compliance with a new or amended surface water quality standard, other than those standards addressed in Rule 62-302.500, F.A.C., shall include a reasonable time to obtain or be denied a mixing zone for the new or amended standard. [62-620.610(12)]
13. The permittee, in accepting this permit, agrees to pay the applicable regulatory program and surveillance fee in accordance with Rule 62-4.052, F.A.C. [62-620.610(13)]
14. This permit is transferable only upon Department approval in accordance with Rule 62-620.340, F.A.C. The permittee shall be liable for any noncompliance of the permitted activity until the transfer is approved by the Department. [62-620.610(14)]
15. The permittee shall give the Department written notice at least 60 days before inactivation or abandonment of a wastewater facility or activity and shall specify what steps will be taken to safeguard public health and safety during and following inactivation or abandonment. [62-620.610(15)]
16. The permittee shall apply for a revision to the Department permit in accordance with Rules 62-620.300, F.A.C., and the Department of Environmental Protection Guide to Permitting Wastewater Facilities or Activities Under Chapter 62-620, F.A.C., at least 90 days before construction of any planned substantial modifications to the permitted facility is to commence or with Rule 62-620.325(2), F.A.C., for minor modifications to the permitted facility. A revised permit shall be obtained before construction begins except as provided in Rule 62-620.300, F.A.C. [62-620.610(16)]
17. The permittee shall give advance notice to the Department of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements. The permittee shall be responsible for any and all damages which may result from the changes and may be subject to enforcement action by the Department for penalties or revocation of this permit. The notice shall include the following information:
  - a. A description of the anticipated noncompliance;
  - b. The period of the anticipated noncompliance, including dates and times; and
  - c. Steps being taken to prevent future occurrence of the noncompliance.[62-620.610(17)]
18. Sampling and monitoring data shall be collected and analyzed in accordance with Rule 62-4.246 and Chapters 62-160, 62-601, and 62-610, F.A.C., and 40 CFR 136, as appropriate.
  - a. Monitoring results shall be reported at the intervals specified elsewhere in this permit and shall be reported on a Discharge Monitoring Report (DMR), DEP Form 62-620.910(10), or as specified elsewhere in the permit.
  - b. If the permittee monitors any contaminant more frequently than required by the permit, using Department approved test procedures, the results of this monitoring shall be included in the calculation and reporting of the data submitted in the DMR.

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- c. Calculations for all limitations which require averaging of measurements shall use an arithmetic mean unless otherwise specified in this permit.
- d. Except as specifically provided in Rule 62-160.300, F.A.C., any laboratory test required by this permit shall be performed by a laboratory that has been certified by the Department of Health Environmental Laboratory Certification Program (DOH ELCP). Such certification shall be for the matrix, test method and analyte(s) being measured to comply with this permit. For domestic wastewater facilities, testing for parameters listed in Rule 62-160.300(4), F.A.C., shall be conducted under the direction of a certified operator.
- e. Field activities including on-site tests and sample collection shall follow the applicable standard operating procedures described in DEP-SOP-001/01 adopted by reference in Chapter 62-160, F.A.C.
- f. Alternate field procedures and laboratory methods may be used where they have been approved in accordance with Rules 62-160.220, and 62-160.330, F.A.C.

[62-620.610(18)]

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

- (j) Other persons or agencies contacted.
- (2) Oral reports, not otherwise required to be provided pursuant to subparagraph b.1 above, shall be provided to the Department's Northeast District Office within 24 hours from the time the permittee becomes aware of the circumstances.
- c. If the oral report has been received within 24 hours, the noncompliance has been corrected, and the noncompliance did not endanger health or the environment, the Department's Northeast District Office shall waive the written report.

[62-620.610(20)]

- 21. The permittee shall report all instances of noncompliance not reported under Permit Conditions IX. 17, 18 or 19 of this permit at the time monitoring reports are submitted. This report shall contain the same information required by Permit Condition IX.20 of this permit. [62-620.610(21)]

## 22. Bypass Provisions.

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

[62-620.610(22)]

## 23. Upset Provisions.

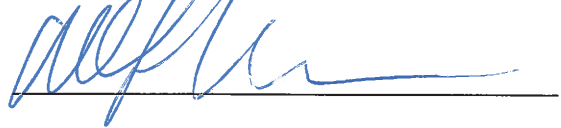
- a. "Upset" means an exceptional incident in which there is unintentional and temporary noncompliance with technology-based effluent limitations because of factors beyond the reasonable control of the permittee.
  - (1) An upset does not include noncompliance caused by operational error, improperly designed treatment facilities, inadequate treatment facilities, lack of preventive maintenance, careless or improper operation.
  - (2) An upset constitutes an affirmative defense to an action brought for noncompliance with technology based permit effluent limitations if the requirements of upset provisions of Rule 62-620.610, F.A.C., are met.
- b. A permittee who wishes to establish the affirmative defense of upset shall demonstrate, through properly signed contemporaneous operating logs, or other relevant evidence that:
  - (1) An upset occurred and that the permittee can identify the cause(s) of the upset;
  - (2) The permitted facility was at the time being properly operated;
  - (3) The permittee submitted notice of the upset as required in Permit Condition IX.5. of this permit; and
  - (4) The permittee complied with any remedial measures required under Permit Condition IX. 5. of this permit.

- c. In any enforcement proceeding, the burden of proof for establishing the occurrence of an upset rests with the permittee.
- d. Before an enforcement proceeding is instituted, no representation made during the Department review of a claim that noncompliance was caused by an upset is final agency action subject to judicial review.

[62-620.610(23)]

Executed in Tallahassee, Florida.

STATE OF FLORIDA DEPARTMENT OF  
ENVIRONMENTAL PROTECTION



Mark P. Thomasson, P.E.  
Director  
Division of Water Resource Management  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

Attachment(s):  
Discharge Monitoring Report

**DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A**

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

PERMITTEE NAME: Seminole Electric Cooperative Inc  
MAILING ADDRESS: Po Box 272000  
Tampa, Florida 33688-2000

PERMIT NUMBER: FL0036498-007-IW1S

FACILITY: Seminole Electric Coop WWTP  
LOCATION: 890 N Highway 17  
Palatka, FL 32177-8647

LIMIT: Interim  
CLASS SIZE: MA  
MONITORING GROUP NUMBER: D-001  
MONITORING GROUP DESCRIPTION: Combined Plant Discharge from Units 1 and 2  
RE-SUBMITTED DMR: ☐  
NO DISCHARGE FROM SITE: ☐  
MONITORING PERIOD From: \_\_\_\_\_ To: \_\_\_\_\_

REPORT FREQUENCY: Monthly  
PROGRAM: Industrial

COUNTY: Putnam  
OFFICE: Northeast District

| Parameter                                |                    | Quantity or Loading |                    | Units | Quality or Concentration |                    | Units | No. Ex. | Frequency of Analysis | Sample Type |
|------------------------------------------|--------------------|---------------------|--------------------|-------|--------------------------|--------------------|-------|---------|-----------------------|-------------|
| Flow                                     | Sample Measurement |                     |                    |       |                          |                    |       |         |                       |             |
| PARM Code 50050 Y<br>Mon. Site No. EFF-1 | Permit Requirement |                     | Report (An.Avg.)   | MGD   |                          |                    |       |         | Continuous            | Recorder    |
| Flow                                     | Sample Measurement |                     |                    |       |                          |                    |       |         |                       |             |
| PARM Code 50050 1<br>Mon. Site No. EFF-1 | Permit Requirement | Report (Day.Avg.)   | 7.46 (Inst.Max.)   | MGD   |                          |                    |       |         | Continuous            | Recorder    |
| Flow (Intake)                            | Sample Measurement |                     |                    |       |                          |                    |       |         |                       |             |
| PARM Code 50050 7<br>Mon. Site No. INT-1 | Permit Requirement | Report (Day.Avg.)   | Report (Inst.Max.) | MGD   |                          |                    |       |         | Continuous            | Recorder    |
| Temperature (F), Water                   | Sample Measurement |                     |                    |       |                          |                    |       |         |                       |             |
| PARM Code 00011 1<br>Mon. Site No. EFF-1 | Permit Requirement |                     |                    |       | 96.3 (Day.Avg.)          | 98.9 (Inst.Max.)   | Deg F |         | Continuous            | Recorder    |
| Temperature (F), Water (Intake)          | Sample Measurement |                     |                    |       |                          |                    |       |         |                       |             |
| PARM Code 00011 7<br>Mon. Site No. INT-1 | Permit Requirement |                     |                    |       | Report (Day.Avg.)        | Report (Inst.Max.) | Deg F |         | Continuous            | Recorder    |
| Temp. Diff. between Intake and Discharge | Sample Measurement |                     |                    |       |                          |                    |       |         |                       |             |
| PARM Code 61576 1<br>Mon. Site No. EFF-1 | Permit Requirement |                     |                    |       |                          | 26.3 (Inst.Max.)   | Deg F |         | Continuous            | Recorder    |
| Oxidants, Total Residual                 | Sample Measurement |                     |                    |       |                          |                    |       |         |                       |             |
| PARM Code 34044 1<br>Mon. Site No. EFF-1 | Permit Requirement |                     |                    |       | Report (Mo.Avg.)         | 0.01 (Day.Max.)    | mg/L  |         | Weekly                | Grab        |
| Turbidity (effluent)                     | Sample Measurement |                     |                    |       |                          |                    |       |         |                       |             |
| PARM Code 00070 1<br>Mon. Site No. EFF-1 | Permit Requirement |                     |                    |       | Report (Mo.Avg.)         | Report (Day.Max.)  | NTU   |         | Weekly                | Grab        |

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

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

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

## DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Seminole Electric Coop WWTF

MONITORING GROUP D-001

PERMIT NUMBER: FL0036498-007-IW1S

NUMBER:

MONITORING PERIOD From: \_\_\_\_\_ To: \_\_\_\_\_

| Parameter                                   |                    | Quantity or Loading | Units  | Quality or Concentration |                   |                 | Units | No. Ex. | Frequency of Analysis    | Sample Type |
|---------------------------------------------|--------------------|---------------------|--------|--------------------------|-------------------|-----------------|-------|---------|--------------------------|-------------|
| Turbidity (background)                      | Sample Measurement |                     |        |                          |                   |                 |       |         |                          |             |
| PARM Code 00070 7<br>Mon. Site No. INT-1    | Permit Requirement |                     |        |                          | Report (Day.Max.) |                 | NTU   |         | Weekly                   | Grab        |
| Turbidity (calculated limit)                | Sample Measurement |                     |        |                          |                   |                 |       |         |                          |             |
| PARM Code 00070 Q<br>Mon. Site No. EFF-1    | Permit Requirement |                     |        |                          | Report (Day.Max.) |                 | NTU   |         | Weekly                   | Calculated  |
| Turbidity (effluent minus calculated limit) | Sample Measurement |                     |        |                          |                   |                 |       |         |                          |             |
| PARM Code 00070 R<br>Mon. Site No. EFF-1    | Permit Requirement |                     |        |                          | 0.0 (Day.Max.)    |                 | NTU   |         | Weekly                   | Calculated  |
| pH                                          | Sample Measurement |                     |        |                          |                   |                 |       |         |                          |             |
| PARM Code 00400 1<br>Mon. Site No. EFF-1    | Permit Requirement |                     |        | 6.0 (Inst.Min.)          | 8.5 (Inst.Max.)   |                 | s.u.  |         | Weekly                   | Grab        |
| pH (Intake)                                 | Sample Measurement |                     |        |                          |                   |                 |       |         |                          |             |
| PARM Code 00400 7<br>Mon. Site No. INT-1    | Permit Requirement |                     |        |                          | Report (Max.)     |                 | s.u.  |         | Weekly                   | Grab        |
| Nitrogen, Total                             | Sample Measurement |                     |        |                          |                   |                 |       |         |                          |             |
| PARM Code 00600 1<br>Mon. Site No. EFF-1    | Permit Requirement |                     |        |                          | Report (Mo.Avg.)  |                 | mg/L  |         | Bi-weekly; every 2 weeks | 8-hr FPC    |
| Nitrogen, Total (Intake)                    | Sample Measurement |                     |        |                          |                   |                 |       |         |                          |             |
| PARM Code 00600 7<br>Mon. Site No. INT-1    | Permit Requirement |                     |        |                          | Report (Mo.Avg.)  |                 | mg/L  |         | Bi-weekly; every 2 weeks | 8-hr FPC    |
| Nitrogen, Total (Monthly Net Loading)       | Sample Measurement |                     |        |                          |                   |                 |       |         |                          |             |
| PARM Code 00600 Q<br>Mon. Site No. EFF-1    | Permit Requirement | Report (Mo.Total)   | lb/mth |                          |                   |                 |       |         | Monthly                  | Calculated  |
| Nitrogen, Total (Annual Net Loading)        | Sample Measurement |                     |        |                          |                   |                 |       |         |                          |             |
| PARM Code 00600 R<br>Mon. Site No. EFF-1    | Permit Requirement | Report (An.Max)     | lb/yr  |                          |                   |                 |       |         | Monthly                  | Calculated  |
| Oil and Grease                              | Sample Measurement |                     |        |                          |                   |                 |       |         |                          |             |
| PARM Code 00556 1<br>Mon. Site No. EFF-1    | Permit Requirement |                     |        |                          | Report (Mo.Avg.)  | 5.0 (Day.Max.)  | mg/L  |         | Weekly                   | Grab        |
| Oil and Grease (Intake)                     | Sample Measurement |                     |        |                          |                   |                 |       |         |                          |             |
| PARM Code 00556 7<br>Mon. Site No. INT-1    | Permit Requirement |                     |        |                          | Report (Max.)     |                 | mg/L  |         | Weekly                   | Grab        |
| Cyanide, Total (as CN)                      | Sample Measurement |                     |        |                          |                   |                 |       |         |                          |             |
| PARM Code 00720 1<br>Mon. Site No. EFF-1    | Permit Requirement |                     |        |                          | Report (Mo.Avg.)  | 19.6 (Day.Max.) | ug/L  |         | Monthly                  | Grab        |

## DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Seminole Electric Coop WWTF

MONITORING GROUP

D-001

PERMIT NUMBER: FL0036498-007-IW1S

NUMBER:

MONITORING PERIOD From: \_\_\_\_\_ To: \_\_\_\_\_

| Parameter                                                 |                    | Quantity or Loading | Units | Quality or Concentration |                  |                 | Units   | No. Ex. | Frequency of Analysis | Sample Type               |
|-----------------------------------------------------------|--------------------|---------------------|-------|--------------------------|------------------|-----------------|---------|---------|-----------------------|---------------------------|
| Cyanide, Total (as CN) (Intake)                           | Sample Measurement |                     |       |                          |                  |                 |         |         |                       |                           |
| PARM Code 00720 7                                         | Permit Requirement |                     |       |                          |                  | Report (Max.)   | ug/L    |         | Monthly               | Grab                      |
| Mon. Site No. INT-1                                       |                    |                     |       |                          |                  |                 |         |         |                       |                           |
| Mercury, Total Recoverable                                | Sample Measurement |                     |       |                          |                  |                 |         |         |                       |                           |
| PARM Code 71901 1                                         | Permit Requirement | 2.65 <sup>1</sup>   | lb/yr |                          |                  |                 |         |         | Monthly               | Calculated                |
| Mon. Site No. EFF-1                                       |                    | (An.Total.)         |       |                          |                  |                 |         |         |                       |                           |
| Mercury, Total Recoverable (Intake)                       | Sample Measurement |                     |       |                          |                  |                 |         |         |                       |                           |
| PARM Code 71901 7                                         | Permit Requirement |                     |       |                          |                  | Report (Max.)   | ug/L    |         | Monthly               | Grab                      |
| Mon. Site No. INT-1                                       |                    |                     |       |                          |                  |                 |         |         |                       |                           |
| Selenium, Total Recoverable                               | Sample Measurement |                     |       |                          |                  |                 |         |         |                       |                           |
| PARM Code 00981 1                                         | Permit Requirement |                     |       |                          | Report (Mo.Avg.) | 11.7 (Day.Max.) | ug/L    |         | Monthly               | 8-hr FPC                  |
| Mon. Site No. EFF-1                                       |                    |                     |       |                          |                  |                 |         |         |                       |                           |
| Selenium, Total Recoverable (Intake)                      | Sample Measurement |                     |       |                          |                  |                 |         |         |                       |                           |
| PARM Code 00981 7                                         | Permit Requirement |                     |       |                          |                  | Report (Max.)   | ug/L    |         | Monthly               | 8-hr FPC                  |
| Mon. Site No. INT-1                                       |                    |                     |       |                          |                  |                 |         |         |                       |                           |
| TRO-Discharge Time                                        | Sample Measurement |                     |       |                          |                  |                 |         |         |                       |                           |
| PARM Code 04223 1                                         | Permit Requirement |                     |       |                          |                  | 120 (Inst.Max.) | min/day |         | Daily; 24 hours       | Calculated                |
| Mon. Site No. EFF-1                                       |                    |                     |       |                          |                  |                 |         |         |                       |                           |
| LC50 STATRE 96HOUR ACUTE Daphnia magna (Routine)          | Sample Measurement |                     |       |                          |                  |                 |         |         |                       |                           |
| PARM Code TAB3C P                                         | Permit Requirement |                     |       |                          | 100 (Min.)       |                 | percent |         | Quarterly             | Grab                      |
| Mon. Site No. EFF-1                                       |                    |                     |       |                          |                  |                 |         |         |                       |                           |
| LC50 STATRE 96HOUR ACUTE Daphnia magna (Additional)       | Sample Measurement |                     |       |                          |                  |                 |         |         |                       |                           |
| PARM Code TAB3C Q                                         | Permit Requirement |                     |       |                          | 100 (Min.)       |                 | percent |         | As needed             | As required by the permit |
| Mon. Site No. EFF-1                                       |                    |                     |       |                          |                  |                 |         |         |                       |                           |
| LC50 STATRE 96HOUR ACUTE Daphnia magna (Additional)       | Sample Measurement |                     |       |                          |                  |                 |         |         |                       |                           |
| PARM Code TAB3C R                                         | Permit Requirement |                     |       |                          | 100 (Min.)       |                 | percent |         | As needed             | As required by the permit |
| Mon. Site No. EFF-1                                       |                    |                     |       |                          |                  |                 |         |         |                       |                           |
| LC50 STATRE 96HOUR ACUTE Pimephales promelas (Routine)    | Sample Measurement |                     |       |                          |                  |                 |         |         |                       |                           |
| PARM Code TAN6C P                                         | Permit Requirement |                     |       |                          | 100 (Min.)       |                 | percent |         | Quarterly             | Grab                      |
| Mon. Site No. EFF-1                                       |                    |                     |       |                          |                  |                 |         |         |                       |                           |
| LC50 STATRE 96HOUR ACUTE Pimephales promelas (Additional) | Sample Measurement |                     |       |                          |                  |                 |         |         |                       |                           |
| PARM Code TAN6C Q                                         | Permit Requirement |                     |       |                          | 100 (Min.)       |                 | percent |         | As needed             | As required by the permit |
| Mon. Site No. EFF-1                                       |                    |                     |       |                          |                  |                 |         |         |                       |                           |
| LC50 STATRE 96HOUR ACUTE Pimephales promelas (Additional) | Sample Measurement |                     |       |                          |                  |                 |         |         |                       |                           |
| PARM Code TAN6C R                                         | Permit Requirement |                     |       |                          | 100 (Min.)       |                 | percent |         | As needed             | As required by the permit |
| Mon. Site No. EFF-1                                       |                    |                     |       |                          |                  |                 |         |         |                       |                           |

\*ENTER "MNR" IN THE RESULTS COLUMN FOR EACH TEST THAT IS NOT REQUIRED.

<sup>1</sup> The interim limit for mercury from CO 12-0669 is a 12-month rolling annual total gross mass load and is equal to the monthly mercury loading for that month plus the previous eleven monthly mercury loadings.

# DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

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

PERMITTEE NAME: Seminole Electric Cooperative Inc  
MAILING ADDRESS: Po Box 272000  
Tampa, Florida 33688-2000

PERMIT NUMBER: FL0036498-007-IW1S

FACILITY: Seminole Electric Coop WWTF  
LOCATION: 890 N Highway 17  
Palatka, FL 32177-8647

LIMIT:  
CLASS SIZE:  
MONITORING GROUP NUMBER:  
MONITORING GROUP DESCRIPTION:  
RE-SUBMITTED DMR: ☐  
NO DISCHARGE FROM SITE: ☐  
MONITORING PERIOD

Final  
MA  
D-001  
REPORT FREQUENCY: Monthly  
PROGRAM: Industrial  
Combined Plant Discharge from Units 1 and 2

COUNTY: Putnam  
OFFICE: Northeast District

From: \_\_\_\_\_ To: \_\_\_\_\_

| Parameter                                |                    | Quantity or Loading |                    | Units | Quality or Concentration |                   |                    | Units | No. Ex. | Frequency of Analysis | Sample Type |
|------------------------------------------|--------------------|---------------------|--------------------|-------|--------------------------|-------------------|--------------------|-------|---------|-----------------------|-------------|
| Flow                                     | Sample Measurement |                     |                    |       |                          |                   |                    |       |         |                       |             |
| PARM Code 50050 Y<br>Mon. Site No. EFF-1 | Permit Requirement |                     | Report (An.Avg.)   | MGD   |                          |                   |                    |       |         | Continuous            | Recorder    |
| Flow                                     | Sample Measurement |                     |                    |       |                          |                   |                    |       |         |                       |             |
| PARM Code 50050 1<br>Mon. Site No. EFF-1 | Permit Requirement | Report (Day.Avg.)   | 7.46 (Inst.Max.)   | MGD   |                          |                   |                    |       |         | Continuous            | Recorder    |
| Flow (Intake)                            | Sample Measurement |                     |                    |       |                          |                   |                    |       |         |                       |             |
| PARM Code 50050 7<br>Mon. Site No. INT-1 | Permit Requirement | Report (Day.Avg.)   | Report (Inst.Max.) | MGD   |                          |                   |                    |       |         | Continuous            | Recorder    |
| Temperature (F), Water                   | Sample Measurement |                     |                    |       |                          |                   |                    |       |         |                       |             |
| PARM Code 00011 1<br>Mon. Site No. EFF-1 | Permit Requirement |                     |                    |       |                          | 96.3 (Day.Avg.)   | 98.9 (Inst.Max.)   | Deg F |         | Continuous            | Recorder    |
| Temperature (F), Water (Intake)          | Sample Measurement |                     |                    |       |                          |                   |                    |       |         |                       |             |
| PARM Code 00011 7<br>Mon. Site No. INT-1 | Permit Requirement |                     |                    |       |                          | Report (Day.Avg.) | Report (Inst.Max.) | Deg F |         | Continuous            | Recorder    |
| Temp. Diff. between Intake and Discharge | Sample Measurement |                     |                    |       |                          |                   |                    |       |         |                       |             |
| PARM Code 61576 1<br>Mon. Site No. EFF-1 | Permit Requirement |                     |                    |       |                          |                   | 26.3 (Inst.Max.)   | Deg F |         | Continuous            | Recorder    |
| Oxidants, Total Residual                 | Sample Measurement |                     |                    |       |                          |                   |                    |       |         |                       |             |
| PARM Code 34044 1<br>Mon. Site No. EFF-1 | Permit Requirement |                     |                    |       |                          | Report (Mo.Avg.)  | 0.01 (Day.Max.)    | mg/L  |         | Weekly                | Grab        |
| Turbidity (effluent)                     | Sample Measurement |                     |                    |       |                          |                   |                    |       |         |                       |             |
| PARM Code 00070 1<br>Mon. Site No. EFF-1 | Permit Requirement |                     |                    |       |                          | Report (Mo.Avg.)  | Report (Day.Max.)  | NTU   |         | Weekly                | Grab        |

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

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

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

## DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Seminole Electric Coop WWTF

MONITORING GROUP D-001

PERMIT NUMBER: FL0036498-007-IW1S

NUMBER:

MONITORING PERIOD From: 8/1/2012 To: 7/31/2013

| Parameter                                   |                    | Quantity or Loading | Units             | Quality or Concentration |  |                   | Units           | No. Ex. | Frequency of Analysis    | Sample Type |
|---------------------------------------------|--------------------|---------------------|-------------------|--------------------------|--|-------------------|-----------------|---------|--------------------------|-------------|
| Turbidity (background)                      | Sample Measurement |                     |                   |                          |  |                   |                 |         |                          |             |
| PARM Code 00070 7<br>Mon. Site No. INT-1    | Permit Requirement |                     |                   |                          |  | Report (Day.Max.) | NTU             |         | Weekly                   | Grab        |
| Turbidity (calculated limit)                | Sample Measurement |                     |                   |                          |  |                   |                 |         |                          |             |
| PARM Code 00070 Q<br>Mon. Site No. EFF-1    | Permit Requirement |                     |                   |                          |  | Report (Day.Max.) | NTU             |         | Weekly                   | Calculated  |
| Turbidity (effluent minus calculated limit) | Sample Measurement |                     |                   |                          |  |                   |                 |         |                          |             |
| PARM Code 00070 R<br>Mon. Site No. EFF-1    | Permit Requirement |                     |                   |                          |  | 0.0 (Day.Max.)    | NTU             |         | Weekly                   | Calculated  |
| pH                                          | Sample Measurement |                     |                   |                          |  |                   |                 |         |                          |             |
| PARM Code 00400 1<br>Mon. Site No. EFF-1    | Permit Requirement |                     |                   | 6.0 (Inst.Min.)          |  | 8.5 (Inst.Max.)   | s.u.            |         | Weekly                   | Grab        |
| pH (Intake)                                 | Sample Measurement |                     |                   |                          |  |                   |                 |         |                          |             |
| PARM Code 00400 7<br>Mon. Site No. INT-1    | Permit Requirement |                     |                   |                          |  | Report (Max.)     | s.u.            |         | Weekly                   | Grab        |
| Nitrogen, Total                             | Sample Measurement |                     |                   |                          |  |                   |                 |         |                          |             |
| PARM Code 00600 1<br>Mon. Site No. EFF-1    | Permit Requirement |                     |                   |                          |  | Report (Mo.Avg.)  | mg/L            |         | Bi-weekly; every 2 weeks | 8-hr FPC    |
| Nitrogen, Total (Intake)                    | Sample Measurement |                     |                   |                          |  |                   |                 |         |                          |             |
| PARM Code 00600 7<br>Mon. Site No. INT-1    | Permit Requirement |                     |                   |                          |  | Report (Mo.Avg.)  | mg/L            |         | Bi-weekly; every 2 weeks | 8-hr FPC    |
| Nitrogen, Total (Monthly Net Loading)       | Sample Measurement |                     |                   |                          |  |                   |                 |         |                          |             |
| PARM Code 00600 Q<br>Mon. Site No. EFF-1    | Permit Requirement |                     | Report (Mo.Total) | lb/mth                   |  |                   |                 |         | Monthly                  | Calculated  |
| Nitrogen, Total (Annual Net Loading)        | Sample Measurement |                     |                   |                          |  |                   |                 |         |                          |             |
| PARM Code 00600 R<br>Mon. Site No. EFF-1    | Permit Requirement |                     | Report (An.Max)   | lb/yr                    |  |                   |                 |         | Monthly                  | Calculated  |
| Oil and Grease                              | Sample Measurement |                     |                   |                          |  |                   |                 |         |                          |             |
| PARM Code 00556 1<br>Mon. Site No. EFF-1    | Permit Requirement |                     |                   |                          |  | Report (Mo.Avg.)  | 5.0 (Day.Max.)  | mg/L    | Weekly                   | Grab        |
| Oil and Grease (Intake)                     | Sample Measurement |                     |                   |                          |  |                   |                 |         |                          |             |
| PARM Code 00556 7<br>Mon. Site No. INT-1    | Permit Requirement |                     |                   |                          |  | Report (Max.)     | mg/L            |         | Weekly                   | Grab        |
| Cyanide, Total (as CN)                      | Sample Measurement |                     |                   |                          |  |                   |                 |         |                          |             |
| PARM Code 00720 1<br>Mon. Site No. EFF-1    | Permit Requirement |                     |                   |                          |  | Report (Mo.Avg.)  | 19.6 (Day.Max.) | ug/L    | Monthly                  | Grab        |

## DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Seminole Electric Coop WWTF

MONITORING GROUP D-001

PERMIT NUMBER: FL0036498-007-IW1S

NUMBER:

MONITORING PERIOD From: \_\_\_\_\_ To: \_\_\_\_\_

| Parameter                                             |                    | Quantity or Loading |  | Units | Quality or Concentration |                  |                 | Units | No. Ex. | Frequency of Analysis        | Sample Type               |
|-------------------------------------------------------|--------------------|---------------------|--|-------|--------------------------|------------------|-----------------|-------|---------|------------------------------|---------------------------|
| Cyanide, Total (as CN) (Intake)                       | Sample Measurement |                     |  |       |                          |                  |                 |       |         |                              |                           |
| PARM Code 00720 7<br>Mon. Site No. INT-1              | Permit Requirement |                     |  |       |                          | Report (Max.)    | ug/L            |       |         | Monthly                      | Grab                      |
| Mercury, Total Recoverable                            | Sample Measurement |                     |  |       |                          |                  |                 |       |         |                              |                           |
| PARM Code 71901 1<br>Mon. Site No. EFF-1              | Permit Requirement |                     |  |       |                          | Report (Mo.Avg.) | 0.09 (Day.Max.) | ug/L  |         | Monthly                      | Grab                      |
| Mercury, Total Recoverable (Intake)                   | Sample Measurement |                     |  |       |                          |                  |                 |       |         |                              |                           |
| PARM Code 71901 7<br>Mon. Site No. INT-1              | Permit Requirement |                     |  |       |                          | Report (Max.)    | ug/L            |       |         | Monthly                      | Grab                      |
| Selenium, Total Recoverable                           | Sample Measurement |                     |  |       |                          |                  |                 |       |         |                              |                           |
| PARM Code 00981 1<br>Mon. Site No. EFF-1              | Permit Requirement |                     |  |       |                          | Report (Mo.Avg.) | 11.7 (Day.Max.) | ug/L  |         | Monthly                      | 8-hr FPC                  |
| Selenium, Total Recoverable (Intake)                  | Sample Measurement |                     |  |       |                          |                  |                 |       |         |                              |                           |
| PARM Code 00981 7<br>Mon. Site No. INT-1              | Permit Requirement |                     |  |       |                          | Report (Max.)    | ug/L            |       |         | Monthly                      | 8-hr FPC                  |
| TRO-Discharge Time                                    | Sample Measurement |                     |  |       |                          |                  |                 |       |         |                              |                           |
| PARM Code 04223 1<br>Mon. Site No. EFF-1              | Permit Requirement |                     |  |       |                          | 120 (Inst.Max.)  | min/day         |       |         | Daily; 24 hours              | Calculated                |
| 7-DAY CHRONIC STATRE Ceriodaphnia dubia (Routine)     | Sample Measurement |                     |  |       |                          |                  |                 |       |         |                              |                           |
| PARM Code TRP3B P<br>Mon. Site No. EFF-1              | Permit Requirement |                     |  |       | 100 (Min.)               |                  | percent         |       |         | Bi-monthly; Every two months | Grab                      |
| 7-DAY CHRONIC STATRE Ceriodaphnia dubia (Additional)  | Sample Measurement |                     |  |       |                          |                  |                 |       |         |                              |                           |
| PARM Code TRP3B Q<br>Mon. Site No. EFF-1              | Permit Requirement |                     |  |       | 100 (Min.)               |                  | percent         |       |         | As needed                    | As required by the permit |
| 7-DAY CHRONIC STATRE Ceriodaphnia dubia (Additional)  | Sample Measurement |                     |  |       |                          |                  |                 |       |         |                              |                           |
| PARM Code TRP3B R<br>Mon. Site No. EFF-1              | Permit Requirement |                     |  |       | 100 (Min.)               |                  | percent         |       |         | As needed                    | As required by the permit |
| 7-DAY CHRONIC STATRE Pimephales promelas (Routine)    | Sample Measurement |                     |  |       |                          |                  |                 |       |         |                              |                           |
| PARM Code TRP6C P<br>Mon. Site No. EFF-1              | Permit Requirement |                     |  |       | 100 (Min.)               |                  | percent         |       |         | Bi-monthly; Every two months | Grab                      |
| 7-DAY CHRONIC STATRE Pimephales promelas (Additional) | Sample Measurement |                     |  |       |                          |                  |                 |       |         |                              |                           |
| PARM Code TRP6C Q<br>Mon. Site No. EFF-1              | Permit Requirement |                     |  |       | 100 (Min.)               |                  | percent         |       |         | As needed                    | As required by the permit |
| 7-DAY CHRONIC STATRE Pimephales promelas (Additional) | Sample Measurement |                     |  |       |                          |                  |                 |       |         |                              |                           |
| PARM Code TRP6C R<br>Mon. Site No. EFF-1              | Permit Requirement |                     |  |       | 100 (Min.)               |                  | percent         |       |         | As needed                    | As required by the permit |

\*ENTER "MNR" IN THE RESULTS COLUMN FOR EACH TEST THAT IS NOT REQUIRED.

**DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A**

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

PERMITTEE NAME: Seminole Electric Cooperative Inc  
MAILING ADDRESS: Po Box 272000  
Tampa, Florida 33688-2000

PERMIT NUMBER: FL0036498-007-IW1S

FACILITY: Seminole Electric Coop WWTF  
LOCATION: 890 N Highway 17  
Palatka, FL 32177-8647

LIMIT:  
CLASS SIZE:  
MONITORING GROUP NUMBER:  
MONITORING GROUP DESCRIPTION:  
RE-SUBMITTED DMR: ☐  
NO DISCHARGE FROM SITE: ☐  
MONITORING PERIOD

Final  
MA  
D-001  
Combined Plant Discharge from Units 1 and 2

REPORT FREQUENCY: Quarterly  
PROGRAM: Industrial

COUNTY: Putnam  
OFFICE: Northeast District

From: \_\_\_\_\_ To: \_\_\_\_\_

| Parameter                                          |                    | Quantity or Loading |  | Units | Quality or Concentration |                  |                 | Units | No. Ex. | Frequency of Analysis | Sample Type |
|----------------------------------------------------|--------------------|---------------------|--|-------|--------------------------|------------------|-----------------|-------|---------|-----------------------|-------------|
| Nitrite plus Nitrate, Total 1 det. (as N)          | Sample Measurement |                     |  |       |                          |                  |                 |       |         |                       |             |
| PARM Code 00630 1<br>Mon. Site No. EFF-1           | Permit Requirement |                     |  |       |                          | Report (Max.)    |                 | mg/L  |         | Quarterly             | 8-hr FPC    |
| Nitrite plus Nitrate, Total 1 det. (as N) (Intake) | Sample Measurement |                     |  |       |                          |                  |                 |       |         |                       |             |
| PARM Code 00630 7<br>Mon. Site No. INT-1           | Permit Requirement |                     |  |       |                          | Report (Max.)    |                 | mg/L  |         | Quarterly             | 8-hr FPC    |
| Ammonia, Unionized (as NH3)                        | Sample Measurement |                     |  |       |                          |                  |                 |       |         |                       |             |
| PARM Code 00619 1<br>Mon. Site No. EFF-1           | Permit Requirement |                     |  |       |                          | Report (Mo.Avg.) | 0.02 (Day.Max.) | mg/L  |         | Quarterly             | Calculated  |
| Ammonia, Unionized (as NH3) (Intake)               | Sample Measurement |                     |  |       |                          |                  |                 |       |         |                       |             |
| PARM Code 00619 7<br>Mon. Site No. INT-1           | Permit Requirement |                     |  |       |                          | Report (Max.)    |                 | mg/L  |         | Quarterly             | Calculated  |
| Nitrogen, Ammonia, Total (as N)                    | Sample Measurement |                     |  |       |                          |                  |                 |       |         |                       |             |
| PARM Code 00610 1<br>Mon. Site No. EFF-1           | Permit Requirement |                     |  |       |                          | Report (Max.)    |                 | mg/L  |         | Quarterly             | Grab        |
| Nitrogen, Ammonia, Total (as N) (Intake)           | Sample Measurement |                     |  |       |                          |                  |                 |       |         |                       |             |
| PARM Code 00610 7<br>Mon. Site No. INT-1           | Permit Requirement |                     |  |       |                          | Report (Max.)    |                 | mg/L  |         | Quarterly             | Grab        |

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

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

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

## DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Seminole Electric Coop WWTF

MONITORING GROUP D-001

PERMIT NUMBER: FL0036498-007-IW1S

NUMBER:

MONITORING PERIOD

From: \_\_\_\_\_

To: \_\_\_\_\_

| Parameter                                    |                    | Quantity or Loading |  | Units | Quality or Concentration |                             | Units             | No. Ex.  | Frequency of Analysis | Sample Type |
|----------------------------------------------|--------------------|---------------------|--|-------|--------------------------|-----------------------------|-------------------|----------|-----------------------|-------------|
| Nitrogen, Kjeldahl, Total (as N)             | Sample Measurement |                     |  |       |                          |                             |                   |          |                       |             |
| PARM Code 00625 1<br>Mon. Site No. EFF-1     | Permit Requirement |                     |  |       |                          | Report (Max.)               | mg/L              |          | Quarterly             | 8-hr FPC    |
| Nitrogen, Kjeldahl, Total (as N) (Intake)    | Sample Measurement |                     |  |       |                          |                             |                   |          |                       |             |
| PARM Code 00625 7<br>Mon. Site No. INT-1     | Permit Requirement |                     |  |       |                          | Report (Max.)               | mg/L              |          | Quarterly             | 8-hr FPC    |
| Phosphorus, Total (as P)                     | Sample Measurement |                     |  |       |                          |                             |                   |          |                       |             |
| PARM Code 00665 1<br>Mon. Site No. EFF-1     | Permit Requirement |                     |  |       |                          | Report (Max.)               | mg/L              |          | Quarterly             | 8-hr FPC    |
| Specific Conductance                         | Sample Measurement |                     |  |       |                          |                             |                   |          |                       |             |
| PARM Code 00095 1<br>Mon. Site No. EFF-1     | Permit Requirement |                     |  |       |                          | Report (Mo.Avg.)            | 8,653 (Inst.Max.) | umhos/cm | Quarterly             | 8-hr FPC    |
| Specific Conductance (Intake)                | Sample Measurement |                     |  |       |                          |                             |                   |          |                       |             |
| PARM Code 00095 7<br>Mon. Site No. INT-1     | Permit Requirement |                     |  |       |                          | Report (Max.)               | umhos/cm          |          | Quarterly             | 8-hr FPC    |
| Beryllium, Total Recoverable                 | Sample Measurement |                     |  |       |                          |                             |                   |          |                       |             |
| PARM Code 00998 Y<br>Mon. Site No. EFF-1     | Permit Requirement |                     |  |       |                          | 0.13 <sup>2</sup> (An.Avg.) | ug/L              |          | Quarterly             | 8-hr FPC    |
| Copper, Total Recoverable                    | Sample Measurement |                     |  |       |                          |                             |                   |          |                       |             |
| PARM Code 01119 1<br>Mon. Site No. EFF-1     | Permit Requirement |                     |  |       |                          | Report (Mo.Avg.)            | 139.0 (Day.Max.)  | ug/L     | Quarterly             | 8-hr FPC    |
| Copper, Total Recoverable (Intake)           | Sample Measurement |                     |  |       |                          |                             |                   |          |                       |             |
| PARM Code 01119 7<br>Mon. Site No. INT-1     | Permit Requirement |                     |  |       |                          | Report (Max.)               | ug/L              |          | Quarterly             | 8-hr FPC    |
| Iron, Total Recoverable                      | Sample Measurement |                     |  |       |                          |                             |                   |          |                       |             |
| PARM Code 00980 1<br>Mon. Site No. EFF-1     | Permit Requirement |                     |  |       |                          | Report (Mo.Avg.)            | 1.70 (Day.Max.)   | mg/L     | Quarterly             | 8-hr FPC    |
| Iron, Total Recoverable (Intake)             | Sample Measurement |                     |  |       |                          |                             |                   |          |                       |             |
| PARM Code 00980 7<br>Mon. Site No. INT-1     | Permit Requirement |                     |  |       |                          | Report (Max.)               | mg/L              |          | Quarterly             | 8-hr FPC    |
| Nickel, Total Recoverable (effluent)         | Sample Measurement |                     |  |       |                          |                             |                   |          |                       |             |
| PARM Code 01074 1<br>Mon. Site No. EFF-1     | Permit Requirement |                     |  |       |                          | Report (Mo.Avg.)            | Report (Day.Max.) | ug/L     | Quarterly             | 8-hr FPC    |
| Nickel, Total Recoverable (calculated limit) | Sample Measurement |                     |  |       |                          |                             |                   |          |                       |             |
| PARM Code 01074 Q<br>Mon. Site No. EFF-1     | Permit Requirement |                     |  |       |                          | Report (Day.Max.)           | ug/L              |          | Quarterly             | Calculated  |

<sup>2</sup> If beryllium is not detected at or above the MDL for the test method used enter "BDL".

## DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Seminole Electric Coop WWTF

MONITORING GROUP D-001

PERMIT NUMBER: FL0036498-007-IW1S

NUMBER:

MONITORING PERIOD From: \_\_\_\_\_ To: \_\_\_\_\_

| Parameter                                                   |                    | Quantity or Loading |  | Units | Quality or Concentration |                              |  | Units | No. Ex. | Frequency of Analysis | Sample Type |
|-------------------------------------------------------------|--------------------|---------------------|--|-------|--------------------------|------------------------------|--|-------|---------|-----------------------|-------------|
| Nickel, Total Recoverable (effluent minus calculated limit) | Sample Measurement |                     |  |       |                          |                              |  |       |         |                       |             |
| PARM Code 01074 R                                           | Permit Requirement |                     |  |       |                          | 0.0 (Day.Max.)               |  | ug/L  |         | Quarterly             | Calculated  |
| Mon. Site No. EFF-1                                         |                    |                     |  |       |                          |                              |  |       |         |                       |             |
| Hardness, Total (as CaCO3)                                  | Sample Measurement |                     |  |       |                          |                              |  |       |         |                       |             |
| PARM Code 00900 1                                           | Permit Requirement |                     |  |       |                          | Report (Max.)                |  | mg/L  |         | Quarterly             | 8-hr FPC    |
| Mon. Site No. EFF-1                                         |                    |                     |  |       |                          |                              |  |       |         |                       |             |
| Silver, Total Recoverable                                   | Sample Measurement |                     |  |       |                          |                              |  |       |         |                       |             |
| PARM Code 01079 1                                           | Permit Requirement |                     |  |       | Report (Mo.Avg.)         | 0.07 <sup>3</sup> (Day.Max.) |  | ug/L  |         | Quarterly             | 8-hr FPC    |
| Mon. Site No. EFF-1                                         |                    |                     |  |       |                          |                              |  |       |         |                       |             |
| Zinc, Total Recoverable (effluent)                          | Sample Measurement |                     |  |       |                          |                              |  |       |         |                       |             |
| PARM Code 01094 1                                           | Permit Requirement |                     |  |       | Report (Mo.Avg.)         | Report (Day.Max.)            |  | ug/L  |         | Quarterly             | 8-hr FPC    |
| Mon. Site No. EFF-1                                         |                    |                     |  |       |                          |                              |  |       |         |                       |             |
| Zinc, Total Recoverable (calculated limit)                  | Sample Measurement |                     |  |       |                          |                              |  |       |         |                       |             |
| PARM Code 01094 Q                                           | Permit Requirement |                     |  |       |                          | Report (Day.Max.)            |  | ug/L  |         | Quarterly             | Calculated  |
| Mon. Site No. EFF-1                                         |                    |                     |  |       |                          |                              |  |       |         |                       |             |
| Zinc, Total Recoverable (effluent minus calculated limit)   | Sample Measurement |                     |  |       |                          |                              |  |       |         |                       |             |
| PARM Code 01094 R                                           | Permit Requirement |                     |  |       |                          | 0.0 (Day.Max.)               |  | ug/L  |         | Quarterly             | Calculated  |
| Mon. Site No. EFF-1                                         |                    |                     |  |       |                          |                              |  |       |         |                       |             |
| Zinc, Total Recoverable (Intake)                            | Sample Measurement |                     |  |       |                          |                              |  |       |         |                       |             |
| PARM Code 01094 7                                           | Permit Requirement |                     |  |       |                          | Report (Max.)                |  | ug/L  |         | Quarterly             | 8-hr FPC    |
| Mon. Site No. INT-1                                         |                    |                     |  |       |                          |                              |  |       |         |                       |             |
|                                                             |                    |                     |  |       |                          |                              |  |       |         |                       |             |
|                                                             |                    |                     |  |       |                          |                              |  |       |         |                       |             |
|                                                             |                    |                     |  |       |                          |                              |  |       |         |                       |             |
|                                                             |                    |                     |  |       |                          |                              |  |       |         |                       |             |
|                                                             |                    |                     |  |       |                          |                              |  |       |         |                       |             |
|                                                             |                    |                     |  |       |                          |                              |  |       |         |                       |             |
|                                                             |                    |                     |  |       |                          |                              |  |       |         |                       |             |
|                                                             |                    |                     |  |       |                          |                              |  |       |         |                       |             |

<sup>3</sup> If silver is not detected at or above the MDL for the test method used enter "BDL".

# DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

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

PERMITTEE NAME: Seminole Electric Cooperative Inc  
MAILING ADDRESS: Po Box 272000  
Tampa, Florida 33688-2000

PERMIT NUMBER: FL0036498-007-IW1S

FACILITY: Seminole Electric Coop WWTF  
LOCATION: 890 N Highway 17  
Palatka, FL 32177-8647

LIMIT:  
CLASS SIZE:  
MONITORING GROUP NUMBER:  
MONITORING GROUP DESCRIPTION:  
RE-SUBMITTED DMR: ☐  
NO DISCHARGE FROM SITE: ☐  
MONITORING PERIOD

Final  
MA  
D-001

REPORT FREQUENCY: Annually  
PROGRAM: Industrial

Combined Plant Discharge from Units 1 and 2

COUNTY: Putnam  
OFFICE: Northeast District

From: \_\_\_\_\_ To: \_\_\_\_\_

| Parameter                                        |                    | Quantity or Loading |                    | Units | Quality or Concentration |  |  | Units | No. Ex. | Frequency of Analysis | Sample Type |
|--------------------------------------------------|--------------------|---------------------|--------------------|-------|--------------------------|--|--|-------|---------|-----------------------|-------------|
| Nitrogen, Total<br>(Combined Annual Net Loading) | Sample Measurement |                     |                    |       |                          |  |  |       |         |                       |             |
| PARM Code 00600 1                                | Permit Requirement |                     | 32,478<br>(An.Max) | lb/yr |                          |  |  |       |         | Annually              | Calculated  |
| Mon. Site No. EFF-1                              |                    |                     |                    |       |                          |  |  |       |         |                       |             |
|                                                  |                    |                     |                    |       |                          |  |  |       |         |                       |             |
|                                                  |                    |                     |                    |       |                          |  |  |       |         |                       |             |
|                                                  |                    |                     |                    |       |                          |  |  |       |         |                       |             |
|                                                  |                    |                     |                    |       |                          |  |  |       |         |                       |             |
|                                                  |                    |                     |                    |       |                          |  |  |       |         |                       |             |
|                                                  |                    |                     |                    |       |                          |  |  |       |         |                       |             |
|                                                  |                    |                     |                    |       |                          |  |  |       |         |                       |             |
|                                                  |                    |                     |                    |       |                          |  |  |       |         |                       |             |
|                                                  |                    |                     |                    |       |                          |  |  |       |         |                       |             |

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

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

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

# DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

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

PERMITTEE NAME: Seminole Electric Cooperative Inc  
MAILING ADDRESS: Po Box 272000  
Tampa, Florida 33688-2000

FACILITY: Seminole Electric Coop WWTF  
LOCATION: 890 N Highway 17  
Palatka, FL 32177-8647

COUNTY: Putnam  
OFFICE: Northeast District

PERMIT NUMBER: FL0036498-007-IW1S

LIMIT: Final  
CLASS SIZE: MA  
MONITORING GROUP NUMBER: I-002  
MONITORING GROUP DESCRIPTION: Low volume treated effluent  
RE-SUBMITTED DMR: ☐  
NO DISCHARGE FROM SITE: ☐  
MONITORING PERIOD From: \_\_\_\_\_ To: \_\_\_\_\_

REPORT FREQUENCY: Monthly  
PROGRAM: Industrial

| Parameter                                |                    | Quantity or Loading |                    | Units | Quality or Concentration |                 |      | Units | No. Ex. | Frequency of Analysis | Sample Type |
|------------------------------------------|--------------------|---------------------|--------------------|-------|--------------------------|-----------------|------|-------|---------|-----------------------|-------------|
| Flow                                     | Sample Measurement |                     |                    |       |                          |                 |      |       |         |                       |             |
| PARM Code 50050 P<br>Mon. Site No. OUI-1 | Permit Requirement | Report (Mo.Avg.)    | Report (Inst.Max.) | MGD   |                          |                 |      |       |         | Continuous            | Recorder    |
| Oil and Grease                           | Sample Measurement |                     |                    |       |                          |                 |      |       |         |                       |             |
| PARM Code 00556 P<br>Mon. Site No. OUI-1 | Permit Requirement |                     |                    |       | 12.0 (Mo.Avg.)           | 15.0 (Day.Max.) | mg/L |       |         | Weekly                | Grab        |
| Solids, Total Suspended                  | Sample Measurement |                     |                    |       |                          |                 |      |       |         |                       |             |
| PARM Code 00530 P<br>Mon. Site No. OUI-1 | Permit Requirement |                     |                    |       | 30.0 (Mo.Avg.)           | 81.0 (Day.Max.) | mg/L |       |         | Weekly                | Grab        |
|                                          |                    |                     |                    |       |                          |                 |      |       |         |                       |             |
|                                          |                    |                     |                    |       |                          |                 |      |       |         |                       |             |
|                                          |                    |                     |                    |       |                          |                 |      |       |         |                       |             |
|                                          |                    |                     |                    |       |                          |                 |      |       |         |                       |             |

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

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

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

# DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

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

PERMITTEE NAME: Seminole Electric Cooperative Inc  
MAILING ADDRESS: Po Box 272000  
Tampa, Florida 33688-2000

PERMIT NUMBER: FL0036498-007-IW1S

FACILITY: Seminole Electric Coop WWTF  
LOCATION: 890 N Highway 17  
Palatka, FL 32177-8647

LIMIT: Final  
CLASS SIZE: MA  
MONITORING GROUP NUMBER: I-003  
MONITORING GROUP DESCRIPTION: Domestic Wastewater Treatment System

REPORT FREQUENCY: Monthly  
PROGRAM: Industrial

COUNTY: Putnam  
OFFICE: Northeast District

RE-SUBMITTED DMR: ☐  
NO DISCHARGE FROM SITE: ☐  
MONITORING PERIOD From: \_\_\_\_\_ To: \_\_\_\_\_

| Parameter                                |                    | Quantity or Loading |                     | Units | Quality or Concentration |                    |  | Units   | No. Ex. | Frequency of Analysis | Sample Type    |
|------------------------------------------|--------------------|---------------------|---------------------|-------|--------------------------|--------------------|--|---------|---------|-----------------------|----------------|
| Flow                                     | Sample Measurement |                     |                     |       |                          |                    |  |         |         |                       |                |
| PARM Code 50050 P<br>Mon. Site No. OUI-2 | Permit Requirement |                     | 0.018<br>(Day.Avg.) | MGD   |                          |                    |  |         |         | Continuous            | Flow Totalizer |
| Biochemical Oxygen Demand-5              | Sample Measurement |                     |                     |       |                          |                    |  |         |         |                       |                |
| PARM Code 00310 Y<br>Mon. Site No. OUI-2 | Permit Requirement |                     |                     |       | 20.0<br>(An.Avg.)        |                    |  | mg/L    |         | Monthly               | Grab           |
| Biochemical Oxygen Demand-5              | Sample Measurement |                     |                     |       |                          |                    |  |         |         |                       |                |
| PARM Code 00310 P<br>Mon. Site No. OUI-2 | Permit Requirement |                     |                     |       | 60.0<br>(Day.Avg.)       | 30.0<br>(Mo.Avg.)  |  | mg/L    |         | Monthly               | Grab           |
| Solids, Total Suspended                  | Sample Measurement |                     |                     |       |                          |                    |  |         |         |                       |                |
| PARM Code 00530 Y<br>Mon. Site No. OUI-2 | Permit Requirement |                     |                     |       | 20.0<br>(An.Avg.)        |                    |  | mg/L    |         | Monthly               | Grab           |
| Solids, Total Suspended                  | Sample Measurement |                     |                     |       |                          |                    |  |         |         |                       |                |
| PARM Code 00530 P<br>Mon. Site No. OUI-2 | Permit Requirement |                     |                     |       | 60.0<br>(Day.Avg.)       | 30.0<br>(Mo.Avg.)  |  | mg/L    |         | Monthly               | Grab           |
| Coliform, Fecal                          | Sample Measurement |                     |                     |       |                          |                    |  |         |         |                       |                |
| PARM Code 74055 Y<br>Mon. Site No. OUI-2 | Permit Requirement |                     |                     |       | 200<br>(An.Avg.)         |                    |  | #/100mL |         | Monthly               | Grab           |
| Coliform, Fecal                          | Sample Measurement |                     |                     |       |                          |                    |  |         |         |                       |                |
| PARM Code 74055 P<br>Mon. Site No. OUI-2 | Permit Requirement |                     |                     |       |                          | 800<br>(Inst.Max.) |  | #/100mL |         | Monthly               | Grab           |
| Chlorine, Total Residual                 | Sample Measurement |                     |                     |       |                          |                    |  |         |         |                       |                |
| PARM Code 50060 P<br>Mon. Site No. OUI-2 | Permit Requirement |                     |                     |       | 0.5<br>(Min.)            |                    |  | mg/L    |         | 5 Days/Week           | Grab           |

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

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

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

# DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

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

PERMITTEE NAME: Seminole Electric Cooperative Inc  
MAILING ADDRESS: Po Box 272000  
Tampa, Florida 33688-2000

PERMIT NUMBER: FL0036498-007-IW1S

FACILITY: Seminole Electric Coop WWTF  
LOCATION: 890 N Highway 17  
Palatka, FL 32177-8647

LIMIT:  
CLASS SIZE:  
MONITORING GROUP NUMBER:  
MONITORING GROUP DESCRIPTION: Treated FGD Purge Stream  
RE-SUBMITTED DMR: ☐  
NO DISCHARGE FROM SITE: ☐

Final  
MA  
I-006

REPORT FREQUENCY: Monthly  
PROGRAM: Industrial

COUNTY: Putnam  
OFFICE: Northeast District

MONITORING PERIOD From: \_\_\_\_\_ To: \_\_\_\_\_

| Parameter                                |                       | Quantity or Loading  |                       | Units | Quality or Concentration |  |  | Units | No.<br>Ex. | Frequency of<br>Analysis | Sample Type    |
|------------------------------------------|-----------------------|----------------------|-----------------------|-------|--------------------------|--|--|-------|------------|--------------------------|----------------|
| Flow                                     | Sample<br>Measurement |                      |                       |       |                          |  |  |       |            |                          |                |
| PARM Code 50050 P<br>Mon. Site No. OUI-5 | Permit<br>Requirement | Report<br>(Day.Avg.) | Report<br>(Inst.Max.) | MGD   |                          |  |  |       |            | Continuous               | Flow Totalizer |
|                                          |                       |                      |                       |       |                          |  |  |       |            |                          |                |
|                                          |                       |                      |                       |       |                          |  |  |       |            |                          |                |
|                                          |                       |                      |                       |       |                          |  |  |       |            |                          |                |
|                                          |                       |                      |                       |       |                          |  |  |       |            |                          |                |
|                                          |                       |                      |                       |       |                          |  |  |       |            |                          |                |
|                                          |                       |                      |                       |       |                          |  |  |       |            |                          |                |
|                                          |                       |                      |                       |       |                          |  |  |       |            |                          |                |
|                                          |                       |                      |                       |       |                          |  |  |       |            |                          |                |
|                                          |                       |                      |                       |       |                          |  |  |       |            |                          |                |
|                                          |                       |                      |                       |       |                          |  |  |       |            |                          |                |

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

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

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

# DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

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

PERMITTEE NAME: Seminole Electric Cooperative Inc  
MAILING ADDRESS: Po Box 272000  
Tampa, Florida 33688-2000

PERMIT NUMBER: FL0036498-007-IW1S

FACILITY: Seminole Electric Coop WWTF  
LOCATION: 890 N Highway 17  
Palatka, FL 32177-8647

LIMIT: Final  
CLASS SIZE: MA  
MONITORING GROUP NUMBER: I-006  
MONITORING GROUP DESCRIPTION: Treated FGD Purge Stream  
RE-SUBMITTED DMR: ☐  
NO DISCHARGE FROM SITE: ☐  
MONITORING PERIOD From: \_\_\_\_\_ To: \_\_\_\_\_

REPORT FREQUENCY: Quarterly  
PROGRAM: Industrial

COUNTY: Putnam  
OFFICE: Northeast District

| Parameter                                |                    | Quantity or Loading |  | Units | Quality or Concentration |               |  | Units | No. Ex. | Frequency of Analysis | Sample Type |
|------------------------------------------|--------------------|---------------------|--|-------|--------------------------|---------------|--|-------|---------|-----------------------|-------------|
| Nitrogen, Ammonia, Total (as N)          | Sample Measurement |                     |  |       |                          |               |  |       |         |                       |             |
| PARM Code 00610 P<br>Mon. Site No. OUI-5 | Permit Requirement |                     |  |       |                          | Report (Max.) |  | mg/L  |         | Quarterly             | Grab        |
| Arsenic, Total Recoverable               | Sample Measurement |                     |  |       |                          |               |  |       |         |                       |             |
| PARM Code 00978 P<br>Mon. Site No. OUI-5 | Permit Requirement |                     |  |       |                          | Report (Max.) |  | ug/L  |         | Quarterly             | 8-hr FPC    |
| Beryllium, Total Recoverable             | Sample Measurement |                     |  |       |                          |               |  |       |         |                       |             |
| PARM Code 00998 P<br>Mon. Site No. OUI-5 | Permit Requirement |                     |  |       |                          | Report (Max.) |  | ug/L  |         | Quarterly             | 8-hr FPC    |
| Nitrogen, Total                          | Sample Measurement |                     |  |       |                          |               |  |       |         |                       |             |
| PARM Code 00600 P<br>Mon. Site No. OUI-5 | Permit Requirement |                     |  |       |                          | Report (Max.) |  | mg/L  |         | Quarterly             | 8-hr FPC    |
| Cadmium, Total Recoverable               | Sample Measurement |                     |  |       |                          |               |  |       |         |                       |             |
| PARM Code 01113 P<br>Mon. Site No. OUI-5 | Permit Requirement |                     |  |       |                          | Report (Max.) |  | ug/L  |         | Quarterly             | 8-hr FPC    |
| Chromium, Total Recoverable              | Sample Measurement |                     |  |       |                          |               |  |       |         |                       |             |
| PARM Code 01118 P<br>Mon. Site No. OUI-5 | Permit Requirement |                     |  |       |                          | Report (Max.) |  | ug/L  |         | Quarterly             | 8-hr FPC    |

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

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

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

## DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Seminole Electric Coop WWTF

MONITORING GROUP I-006

PERMIT NUMBER: FL0036498-007-IW1S

NUMBER:

MONITORING PERIOD From: \_\_\_\_\_ To: \_\_\_\_\_

| Parameter                                |                    | Quantity or Loading |  | Units | Quality or Concentration |               |          | Units | No. Ex. | Frequency of Analysis | Sample Type |
|------------------------------------------|--------------------|---------------------|--|-------|--------------------------|---------------|----------|-------|---------|-----------------------|-------------|
| Copper, Total Recoverable                | Sample Measurement |                     |  |       |                          |               |          |       |         |                       |             |
| PARM Code 01119 P<br>Mon. Site No. OUI-5 | Permit Requirement |                     |  |       |                          | Report (Max.) | ug/L     |       |         | Quarterly             | 8-hr FPC    |
| Cyanide, Total (as CN)                   | Sample Measurement |                     |  |       |                          |               |          |       |         |                       |             |
| PARM Code 00720 P<br>Mon. Site No. OUI-5 | Permit Requirement |                     |  |       |                          | Report (Max.) | mg/L     |       |         | Quarterly             | Grab        |
| Iron, Total Recoverable                  | Sample Measurement |                     |  |       |                          |               |          |       |         |                       |             |
| PARM Code 00980 P<br>Mon. Site No. OUI-5 | Permit Requirement |                     |  |       |                          | Report (Max.) | mg/L     |       |         | Quarterly             | 8-hr FPC    |
| Lead, Total Recoverable                  | Sample Measurement |                     |  |       |                          |               |          |       |         |                       |             |
| PARM Code 01114 P<br>Mon. Site No. OUI-5 | Permit Requirement |                     |  |       |                          | Report (Max.) | ug/L     |       |         | Quarterly             | 8-hr FPC    |
| Mercury, Total Recoverable               | Sample Measurement |                     |  |       |                          |               |          |       |         |                       |             |
| PARM Code 71901 P<br>Mon. Site No. OUI-5 | Permit Requirement |                     |  |       |                          | Report (Max.) | ug/L     |       |         | Quarterly             | Grab        |
| Nickel, Total Recoverable                | Sample Measurement |                     |  |       |                          |               |          |       |         |                       |             |
| PARM Code 01074 P<br>Mon. Site No. OUI-5 | Permit Requirement |                     |  |       |                          | Report (Max.) | ug/L     |       |         | Quarterly             | 8-hr FPC    |
| Selenium, Total Recoverable              | Sample Measurement |                     |  |       |                          |               |          |       |         |                       |             |
| PARM Code 00981 P<br>Mon. Site No. OUI-5 | Permit Requirement |                     |  |       |                          | Report (Max.) | ug/L     |       |         | Quarterly             | 8-hr FPC    |
| Silver, Total Recoverable                | Sample Measurement |                     |  |       |                          |               |          |       |         |                       |             |
| PARM Code 01079 P<br>Mon. Site No. OUI-5 | Permit Requirement |                     |  |       |                          | Report (Max.) | ug/L     |       |         | Quarterly             | 8-hr FPC    |
| Zinc, Total Recoverable                  | Sample Measurement |                     |  |       |                          |               |          |       |         |                       |             |
| PARM Code 01094 P<br>Mon. Site No. OUI-5 | Permit Requirement |                     |  |       |                          | Report (Max.) | ug/L     |       |         | Quarterly             | 8-hr FPC    |
| Specific Conductance                     | Sample Measurement |                     |  |       |                          |               |          |       |         |                       |             |
| PARM Code 00095 P<br>Mon. Site No. OUI-5 | Permit Requirement |                     |  |       |                          | Report (Max.) | umhos/cm |       |         | Quarterly             | 8-hr FPC    |
|                                          |                    |                     |  |       |                          |               |          |       |         |                       |             |
|                                          |                    |                     |  |       |                          |               |          |       |         |                       |             |
|                                          |                    |                     |  |       |                          |               |          |       |         |                       |             |

# DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

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

PERMITTEE NAME: Seminole Electric Cooperative Inc  
MAILING ADDRESS: Po Box 272000  
Tampa, Florida 33688-2000

PERMIT NUMBER: FL0036498-007-IW1S

FACILITY: Seminole Electric Coop WWTF  
LOCATION: 890 N Highway 17  
Palatka, FL 32177-8647

LIMIT:  
CLASS SIZE:  
MONITORING GROUP NUMBER:  
MONITORING GROUP DESCRIPTION:  
RE-SUBMITTED DMR: ☐  
NO DISCHARGE FROM SITE: ☐  
MONITORING PERIOD

Final  
MA  
I-04A  
Cooling Tower Blowdown from Unit 1

REPORT FREQUENCY: Monthly  
PROGRAM: Industrial

COUNTY: Putnam  
OFFICE: Northeast District

From: \_\_\_\_\_ To: \_\_\_\_\_

| Parameter                                |                    | Quantity or Loading |                    | Units | Quality or Concentration |                    |  | Units    | No. Ex. | Frequency of Analysis | Sample Type |
|------------------------------------------|--------------------|---------------------|--------------------|-------|--------------------------|--------------------|--|----------|---------|-----------------------|-------------|
| Flow                                     | Sample Measurement |                     |                    |       |                          |                    |  |          |         |                       |             |
| PARM Code 50050 P<br>Mon. Site No. OUI-3 | Permit Requirement | Report (Mo.Avg.)    | Report (Inst.Max.) | MGD   |                          |                    |  |          |         | Continuous            | Recorder    |
| Temperature (F), Water                   | Sample Measurement |                     |                    |       |                          |                    |  |          |         |                       |             |
| PARM Code 00011 P<br>Mon. Site No. OUI-3 | Permit Requirement |                     |                    |       | Report (Mo.Avg.)         | Report (Inst.Max.) |  | Deg F    |         | Continuous            | Recorder    |
| Solids, Total Suspended                  | Sample Measurement |                     |                    |       |                          |                    |  |          |         |                       |             |
| PARM Code 00530 P<br>Mon. Site No. OUI-3 | Permit Requirement |                     |                    |       | Report (Mo.Avg.)         |                    |  | mg/L     |         | Weekly                | Grab        |
| Specific Conductance                     | Sample Measurement |                     |                    |       |                          |                    |  |          |         |                       |             |
| PARM Code 00095 P<br>Mon. Site No. OUI-3 | Permit Requirement |                     |                    |       | Report (Mo.Avg.)         | Report (Inst.Max.) |  | umhos/cm |         | Continuous            | Meter       |
|                                          |                    |                     |                    |       |                          |                    |  |          |         |                       |             |
|                                          |                    |                     |                    |       |                          |                    |  |          |         |                       |             |

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

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

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

# **DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A**

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

PERMITTEE NAME: Seminole Electric Cooperative Inc  
MAILING ADDRESS: Po Box 272000  
Tampa, Florida 33688-2000

PERMIT NUMBER: FL0036498-007-IW1S

FACILITY: Seminole Electric Coop WWTF  
LOCATION: 890 N Highway 17  
Palatka, FL 32177-8647

LIMIT: Final  
CLASS SIZE: MA  
MONITORING GROUP NUMBER: I-04B  
MONITORING GROUP DESCRIPTION: Cooling Tower Blowdown from Unit 2

REPORT FREQUENCY: Monthly  
PROGRAM: Industrial

COUNTY: Putnam  
OFFICE: Northeast District

RE-SUBMITTED DMR: ☐  
NO DISCHARGE FROM SITE: ☐  
MONITORING PERIOD From: \_\_\_\_\_ To: \_\_\_\_\_

| Parameter                                |                    | Quantity or Loading |                    | Units | Quality or Concentration |                    |  | Units    | No. Ex. | Frequency of Analysis | Sample Type |
|------------------------------------------|--------------------|---------------------|--------------------|-------|--------------------------|--------------------|--|----------|---------|-----------------------|-------------|
| Flow                                     | Sample Measurement |                     |                    |       |                          |                    |  |          |         |                       |             |
| PARM Code 50050 P<br>Mon. Site No. OUI-4 | Permit Requirement | Report (Mo.Avg.)    | Report (Inst.Max.) | MGD   |                          |                    |  |          |         | Continuous            | Recorder    |
| Temperature (F), Water                   | Sample Measurement |                     |                    |       |                          |                    |  |          |         |                       |             |
| PARM Code 00011 P<br>Mon. Site No. OUI-4 | Permit Requirement |                     |                    |       | Report (Mo.Avg.)         | Report (Inst.Max.) |  | Deg F    |         | Continuous            | Recorder    |
| Solids, Total Suspended                  | Sample Measurement |                     |                    |       |                          |                    |  |          |         |                       |             |
| PARM Code 00530 P<br>Mon. Site No. OUI-4 | Permit Requirement |                     |                    |       | Report (Mo.Avg.)         |                    |  | mg/L     |         | Weekly                | Grab        |
| Specific Conductance                     | Sample Measurement |                     |                    |       |                          |                    |  |          |         |                       |             |
| PARM Code 00095 P<br>Mon. Site No. OUI-4 | Permit Requirement |                     |                    |       | Report (Mo.Avg.)         | Report (Inst.Max.) |  | umhos/cm |         | Continuous            | Meter       |
|                                          |                    |                     |                    |       |                          |                    |  |          |         |                       |             |
|                                          |                    |                     |                    |       |                          |                    |  |          |         |                       |             |
|                                          |                    |                     |                    |       |                          |                    |  |          |         |                       |             |

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

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

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

## INSTRUCTIONS FOR COMPLETING THE WASTEWATER DISCHARGE MONITORING REPORT

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

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

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

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

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

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

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

### PART A -DISCHARGE MONITORING REPORT (DMR)

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

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

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

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

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

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

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

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

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

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

## PART B - DAILY SAMPLE RESULTS

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

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

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

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

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

## PART D - GROUND WATER MONITORING REPORT

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

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

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

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

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

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

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

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

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

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

## SPECIAL INSTRUCTIONS FOR LIMITED WET WEATHER DISCHARGES

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

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

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

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

**CBOD<sub>5</sub>:** Enter the average CBOD<sub>5</sub> of the reclaimed water discharged during the period shown in duration of discharge.

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

**Actual Rainfall:** Enter the actual rainfall for each day on Part B. Enter the actual cumulative rainfall to date for this calendar year and the actual total monthly rainfall on Part A. The cumulative rainfall to date for this calendar year is the total amount of rain, in inches, that has been recorded since January 1 of the current year through the month for which this DMR contains data.

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

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

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

## **Appendix 10.6.3**

### **Title V Air Operation Permit No. 1070025-027-AV**

# **-Seminole Electric Cooperative, Inc.**

## **Seminole Generating Station**

Facility ID No. 1070025

Putnam County

### **Title V Air Operation Permit Revision**

**Permit No. 1070025-027-AV**

(1<sup>st</sup> Revision of Title V Air Operation Permit No. 1070025-023-AV)



#### **Permitting Authority:**

State of Florida  
Department of Environmental Protection  
Division of Air Resource Management  
Office of Permitting and Compliance  
2600 Blair Stone Road  
Mail Station #5505  
Tallahassee, Florida 32399-2400  
Telephone: 850/717-9000  
Fax: 850/717-9097

#### **Compliance Authority:**

State of Florida  
Department of Environmental Protection  
Northeast District Office  
8800 Baymeadows Way West, Suite 100  
Jacksonville, Florida 32256-7590  
Telephone: 904/256-1553  
Fax: 904/256-1590

## Title V Air Operation Permit Renewal

Permit No. 1070025-023-AV

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**FLORIDA DEPARTMENT OF  
ENVIRONMENTAL PROTECTION**  
BOB MARTINEZ CENTER  
2600 BLAIR STONE ROAD  
TALLAHASSEE, FLORIDA 32399-2400

Rick Scott  
Governor

Carlos Lopez-Cantera  
Lt. Governor

Ryan E. Matthews  
Interim Secretary

**PERMITTEE:**

Seminole Electrical Cooperative, Inc.  
890 North U.S. Highway 17  
Palatka, FL 32177-8647

Permit No. 1070025-027-AV  
Seminole Generating Station  
Facility ID No. 1070025  
Title V Air Operation Permit Revision

The purpose of this permit is to renew the Title V air operation permit for the above referenced facility. This existing facility is in Putnam County at 890 North U.S. Highway 17, Palatka, Florida; UTM Coordinates are: Zone 17, 438.8 km East and 3289.2 km North; Latitude 29° 43' 59" North and Longitude 81° 37' 58" West.

This Title V air operation permit is issued under the provisions of Chapter 403, Florida Statutes (F.S.), and Florida Administrative Code (F.A.C.) Chapters 62-4, 62-210, 62-213 and 62-214. The above-named permittee is hereby authorized to operate the facility in accordance with the terms and conditions of this permit.

1070025-023-AV Effective Date: [January 1, 2015]  
1070025-027-AV Effective Date: February 27, 2017  
Renewal Application Due Date: [May 20, 2019]  
Expiration Date: [December 31, 2019]

For the Division of Air Resource Management

A handwritten signature in black ink that reads "David Lyle Read, P.E." with a stylized flourish at the end.

David Lyle Read, P.E.  
2017.02.27 11:30:17 -05'00'

For:

Syed Arif, P.E., Program Administrator  
Office of Permitting and Compliance  
Division of Air Resource Management

SA/dlr/pks

## SECTION I. FACILITY INFORMATION.

### **Subsection A. Facility Description.**

This existing facility consists of: two coal-fired, dry-bottom wall-fired utility boilers (Unit Nos. 1 and 2) and associated steam turbines; a coal storage yard; limestone, wet scrubber sludge and ash handling and storage; emergency equipment (an emergency generator & a fire water pump); general plant fugitive emissions; and, ancillary support equipment.

Each utility boiler is equipped with the following air pollution control equipment: an electrostatic precipitator (ESP) to control particulate matter (PM) emissions; an upgraded wet limestone flue gas desulphurization (FGD) system to control sulfur dioxide (SO<sub>2</sub>) emissions; a low-NO<sub>x</sub> burner (LNB) system, low excess air firing and a selective catalytic reduction (SCR) system to control NO<sub>x</sub> emissions; and, an inactive alkali injection system. The alkali injection system is not required to meet current sulfuric acid mist (SAM) emissions limits but will be available for use if needed. Each utility boiler is equipped with continuous emission monitoring systems (CEMS) to measure and record SO<sub>2</sub>, NO<sub>x</sub>, & carbon dioxide (CO<sub>2</sub>) emissions as well as a continuous opacity monitoring system (COMS) to measure and record the opacity of the exhaust gas.

Also included in this permit are miscellaneous insignificant emissions units and/or activities.

### **Subsection B. Summary of Emissions Units.**

| E.U. ID No.                                          | Brief Description                                                      |
|------------------------------------------------------|------------------------------------------------------------------------|
| <i>Regulated Emissions Units</i>                     |                                                                        |
| 001                                                  | Steam Electric Generator No. 1                                         |
| 002                                                  | Steam Electric Generator No. 2                                         |
| 004                                                  | Coal Handling and Storage Activities                                   |
| 005                                                  | Limestone, Wet Scrubber Sludge and Ash Handling and Storage Activities |
| <i>Unregulated Emissions Units and/or Activities</i> |                                                                        |
|                                                      | <i>Engine(s)</i>                                                       |
| 006                                                  | Emergency Equipment - Emergency Generator                              |
| 007                                                  | Emergency Equipment - Fire Water Pump                                  |
| 008                                                  | General Plant Fugitive Emissions                                       |

### **Subsection C. Applicable Requirements.**

Based on the Title V air operation permit renewal application received on May 19, 2014, this facility is a major source of hazardous air pollutants (HAP). This facility is classified as a Prevention of Significant Deterioration (PSD) major facility. A summary of important applicable requirements is shown in the following table.

| Applicable Requirement                                                                              | E.U. ID No(s). |
|-----------------------------------------------------------------------------------------------------|----------------|
| 40 CFR 60, Subpart A, Standards of Performance for New Stationary Sources (NSPS) General Provisions | 001, 002 & 004 |
| 40 CFR 60 Subpart Da, Standards of Performance for Fossil-Fuel Fired Steam Generators               | 001 & 002      |
| Acid Rain, Phase II SO <sub>2</sub>                                                                 | 001 & 002      |
| Acid Rain, Phase II NO <sub>x</sub>                                                                 | 001 & 002      |
| Rule 62-212.400, F.A.C., Prevention of Significant Deterioration (PSD)                              | 001 & 002      |
| Rule 62-212.400(6), F.A.C., Best Available Control Technology (BACT)                                | 001 & 002      |
| Rule 62-296.470, F.A.C., Clean Air Interstate Rule (CAIR)                                           | 001 & 002      |

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**SECTION I. FACILITY INFORMATION.**

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|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|
| Rule 62-296.405(2), F.A.C., Fossil Fuel Steam Generators with More than 250 million Btu per Hour Heat Input                                                            | 001 & 002                          |
|                                                                                                                                                                        |                                    |
| 40 CFR 63, Subpart A, General Provisions                                                                                                                               | 001, 002, 006 & 007                |
| 40 CFR 63, Subpart ZZZZ, National Emission Standards for Hazardous Air Pollutants (NESHAP) for Stationary Reciprocating Internal Combustion Engines (RICE)             | 001, 002, 006 & 007                |
| 40 CFR 63, Subpart UUUUU, National Emission Standards for Hazardous Air Pollutants: Coal- and Oil-Fired Electric Utility Steam Generating Units {also known as “MATS”} | 001 & 002                          |
|                                                                                                                                                                        |                                    |
| 40 CFR 60, NSPS Subpart Y, Standards of Performance for Coal Preparation Plants                                                                                        | 004                                |
|                                                                                                                                                                        |                                    |
| Rule 62-210.300, F.A.C., Permits Required                                                                                                                              | 001, 002, 004, 005, 006, 007 & 008 |
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## SECTION II. FACILITY-WIDE CONDITIONS.

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**The following conditions apply facility-wide to all emission units and activities:**

**FW1. Appendices.** The permittee shall comply with all documents identified in Section VII., Appendices, listed in the Table of Contents. Each document is an enforceable part of this permit unless otherwise indicated. [Rule 62-213.440, F.A.C.]

### **Emissions and Controls**

**FW2. Not federally enforceable. Objectionable Odor Prohibited.** No person shall cause, suffer, allow or permit the discharge of air pollutants, which cause or contribute to an objectionable odor. An “objectionable odor” means any odor present in the outdoor atmosphere which by itself or in combination with other odors, is or may be harmful or injurious to human health or welfare, which unreasonably interferes with the comfortable use and enjoyment of life or property, or which creates a nuisance. [Rules 62-296.320(2) & 62-210.200 (Definitions), F.A.C.]

**FW3. General Volatile Organic Compounds (VOC) Emissions or Organic Solvents (OS) Emissions.** No person shall store, pump, handle, process, load, unload or use in any process or installation, volatile organic compounds or organic solvents without applying known and existing vapor emission control devices or systems deemed necessary and ordered by the Department. [Rule 62-296.320(1)(a), F.A.C.]

*{Permitting note: Nothing is deemed necessary and ordered at this time.}*

**FW4. General Visible Emissions.** No person shall cause, let, permit, suffer or allow to be discharged into the atmosphere the emissions of air pollutants from any activity equal to or greater than 20% opacity. EPA Method 9 is the method of compliance pursuant to Chapter 62-297, F.A.C. This regulation does not impose a specific testing requirement. [Rule 62-296.320(4)(b), F.A.C.]

**FW5. Unconfined Particulate Matter.** No person shall cause, let, permit, suffer or allow the emissions of unconfined particulate matter from any activity, including vehicular movement; transportation of materials; construction; alteration; demolition or wrecking; or industrially related activities such as loading, unloading, storing or handling; without taking reasonable precautions to prevent such emissions.

Reasonable precautions to prevent emissions of unconfined particulate matter at this facility include:

- a. Paving and maintenance of roads, parking areas and yards;
- b. Chemical (dust suppressants) or water application to unpaved roads, unpaved yard areas and open stock piles;
- c. Landscaping or planting of vegetation;
- d. Confining abrasive blasting where possible; and,
- e. Other techniques, as necessary.

[Rule 62-296.320(4)(c), F.A.C.; and, proposed by applicant in the Title V air operation permit renewal application received on May 19, 2014.]

### **Annual Reports and Fees**

See Appendix RR, Facility-wide Reporting Requirements, for additional details.

**FW6. Electronic Annual Operating Report (EAOR) and Title V Annual Emissions Fees.** The information required by the Annual Operating Report for Air Pollutant Emitting Facility [Including Title V Source Emissions Fee Calculation] (DEP Form No. 62-210.900(5)) shall be submitted by April 1<sup>st</sup> of each year, for the previous calendar year, to the Department of Environmental Protection’s Division of Air Resource Management. Each Title V source shall submit the annual operating report using the DEP’s Electronic Annual Operating Report (EAOR) software, unless the Title V source claims a technical or financial hardship by submitting DEP Form No. 62-210.900(5) to the DEP’s Division of Air Resource Management instead of using the reporting software. Emissions shall be computed in accordance with the provisions of Rule 62-210.370(2), F.A.C. Each Title V source must pay between January 15<sup>th</sup> and April 1<sup>st</sup> of each year an annual emissions fee in an amount determined as set forth in Rule 62-213.205(1), F.A.C. The annual fee shall only apply to those regulated pollutants, except carbon monoxide and greenhouse gases, for which an allowable numeric emission-limiting standard is specified in the source’s most recent construction permit or operation

## SECTION II. FACILITY-WIDE CONDITIONS.

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permit. Upon completing the required EAOR entries, the EAOR Title V Fee Invoice can be printed by the source showing which of the reported emissions are subject to the fee and the total Title V Annual Emissions Fee that is due. The submission of the annual Title V emissions fee payment is also due (postmarked) by April 1<sup>st</sup> of each year. A copy of the system-generated EAOR Title V Annual Emissions Fee Invoice and the indicated total fee shall be submitted to: **Major Air Pollution Source Annual Emissions Fee, P.O. Box 3070, Tallahassee, Florida. 32315-3070.** Additional information is available by accessing the Title V Annual Emissions Fee On-line Information Center at the following Internet web site: <http://www.dep.state.fl.us/air/emission/tvfee.htm>. [Rules 62-210.370(3), 62-210.900 & 62-213.205, F.A.C.; and, Section 403.0872(11), Florida Statutes (2013)]

*{Permitting notes:*

*If the permittee chooses to use the EAOR software, instructions provided with the system should be followed.*

*Resources to help complete the AOR are available on the website at:*

*<http://www.dep.state.fl.us/air/emission/eaor>. If you have questions or need assistance after reviewing the information posted on the EAOR website, please contact the Department by phone at (850) 717-9000 or email at [eaor@dep.state.fl.us](mailto:eaor@dep.state.fl.us).*

*Also, the Title V Annual Emissions Fee form (DEP Form No. 62-213.900(1)) was repealed; a separate Annual Emissions Fee form is no longer required to be submitted by March 1<sup>st</sup> each year.}*

**FW7. Annual Statement of Compliance.** The permittee shall submit an annual statement of compliance to the compliance authority at the address shown on the cover of this permit within 60 days after the end of each calendar year during which the Title V air operation permit was effective. [Rules 62-213.440(3)(a)2. & 3. and (b), F.A.C.]

*{Permitting note: As specified in Specific Condition RR7 of Appendix RR, the permittee shall use DEP Form No. 62-213.900(7) to comply with this requirement.}*

**FW8. Prevention of Accidental Releases (Section 112(r) of CAA).** If and when the facility becomes subject to 112(r), the permittee shall:

- a. Submit its Risk Management Plan (RMP) to the Chemical Emergency Preparedness and Prevention Office (CEPPO) RMP Reporting Center. Any Risk Management Plans, original submittals, revisions or updates to submittals, should be sent electronically through EPA's Central Data Exchange system at the following website address: <https://cdx.epa.gov>. Information on electronically submitting risk management plans using the Central Data Exchange system is available at: <http://www.epa.gov/osweroe1/content/rmp/index.htm>. The RMP Reporting Center can be contacted at: RMP Reporting Center, Post Office Box 10162, Fairfax, VA 22038, Telephone: 703/227-7650.
- b. Submit to the permitting authority Title V certification forms or a compliance schedule in accordance with Rule 62-213.440(2), F.A.C.

[40 CFR 68.]

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### SECTION III. EMISSIONS UNITS AND SPECIFIC CONDITIONS.

#### Subsection A. Emission Units 001 & 002

##### Steam Electric Generator Nos. 1 & 2

The specific conditions in this section apply to the following emissions unit(s):

| E.U. ID No. | Brief Description              |
|-------------|--------------------------------|
| 001         | Steam Electric Generator No. 1 |
| 002         | Steam Electric Generator No. 2 |

The two fossil fuel fired steam generators, designated as “Electric Utility Steam Generating Units 1 and 2,” are coal-fired, dry-bottom wall-fired utility boilers. Each unit has maximum heat input rate of 7,172 MMBtu per hour and a nominal gross generator rating of 735.9 megawatts (MW). Each unit is equipped with the following air pollution control equipment: an electrostatic precipitator (ESP) to control particulate matter (PM) emissions; an upgraded wet limestone flue gas desulphurization (FGD) system to control sulfur dioxide (SO<sub>2</sub>) emissions; a low-NO<sub>x</sub> burner (LNB) system, low excess air firing and an selective catalytic reduction (SCR) system to control NO<sub>x</sub> emissions; and, an inactive alkali injection system. The alkali injection system is not required to meet current sulfuric acid mist (SAM) emissions limits but will be available for use if needed. Each unit is equipped with continuous emission monitoring systems (CEMS) to measure and record SO<sub>2</sub>, NO<sub>x</sub>, & carbon dioxide (CO<sub>2</sub>) emissions as well as a continuous opacity monitoring system (COMS) to measure and record the opacity of the exhaust gas.

Each unit has its own stack, with emissions exhausting through 695 foot stacks with exit diameters of 26.5 feet, 128 °F exit temperatures, and stack gas flow rates of 1,987,064 acfm. Unit 1 began commercial operation in 1985 and Unit 2 began commercial operation in 1984.

*{Permitting note(s): These emissions units are regulated under: Acid Rain, Phase II; Rule 62-296.470, F.A.C., Clean Air Interstate Rule (CAIR); 40 CFR 60 Subpart Da, Standards of Performance for Fossil-Fuel Fired Steam Generators; 40 CFR 63, Subpart UUUUU- National Emission Standards for Hazardous Air Pollutants: Coal- and Oil-Fired Electric Utility Steam Generating Units; Rule 62-296.405(2), F.A.C., Fossil Fuel Steam Generators with More than 250 million Btu per Hour Heat Input; Rule 62-212.400, F.A.C., Prevention of Significant Deterioration (PSD) [PSD-FL-018, as amended & PSD-FL-372/1070025-004-AC, as amended]; and, Rule 62-212.400(6), F.A.C., Best Available Control Technology (BACT) Determination.}*

#### **Essential Potential to Emit (PTE) Parameters**

- A.1. Permitted Capacity.** The permitted capacity per unit shall not exceed 735.9 nominal gross MW. By design, each boiler’s maximum heat input is 7,172 MMBtu/hr. [Rules 62-4.160(2), 62-210.200 (Definitions - PTE) and 62-296.405(2), F.A.C.; Permit No. 1070025-004-AC/PSD-FL-372, Specific Condition 3.A.6.]
- A.2. Emissions Unit Operating Rate Limitation After Testing.** See the related testing provisions in Appendix TR, Facility-wide Testing Requirements. [Rule 62-297.310(2), F.A.C.]
- A.3. Methods of Operation - Allowable Fuels.**
- The units fire coal as the primary fuel.
  - The units may fire No. 2 fuel oil.
  - The units may fire on-specification used oil in accordance with the following requirements.
    - (1) “On-specification” used oil is defined as used oil that meets the 40 CFR 279 (Standards for the Management of Used Oil) specifications listed below.

| Constituent / Property | Allowable Level * |
|------------------------|-------------------|
| Arsenic                | 5 ppm maximum     |
| Cadmium                | 2 ppm maximum     |
| Chromium               | 10 ppm maximum    |
| Lead                   | 100 ppm maximum   |
| Total Halogens         | 1000 ppm maximum  |

### SECTION III. EMISSIONS UNITS AND SPECIFIC CONDITIONS.

#### Subsection A. Emission Units 001 & 002

##### Steam Electric Generator Nos. 1 & 2

|                                 |                |
|---------------------------------|----------------|
| Flash Point                     | 100° F minimum |
| Polychlorinated Biphenyls (PCB) | < 50 ppm       |

\* As determined by approved methods specified in EPA Publication SW-846 (Test Methods for Evaluating Solid Waste, Physical/Chemical Methods).

- (2) Used oil that does not meet all of the following specifications is considered “off-specification” oil and shall not be fired in these units.
- (3) The units shall be at normal operating temperatures to fire on-specification used oil that contains any quantifiable levels of PCB.
- (4) Each unit shall fire no more than 500,000 gallons per calendar year.

[Rule 62-213.410(1), F.A.C.; 40 CFR 271.20(e)(3) & 40 CFR 279.11; PSD-FL-018A; 1070025-019-AC/PSD-FL-018B.]

**A.4. Hours of Operation.** These emission units may operate continuously (8,760 hours/year). [Rule 62-210.200(PTE), F.A.C.]

#### **Air Pollution Control Technologies & Measures**

**A.5. Electrostatic Precipitators (ESPs).** The permittee shall operate and maintain ESPs for Units 1 and 2. [Rule 62-4.070(1)&(3), F.A.C.]

**A.6. Flue Gas Desulphurization (FGD) Systems.** The permittee shall operate and maintain FGD systems for Units 1 and 2 to meet the SO<sub>2</sub> emission limit as authorized by Permit No. 1070025-004-AC/PSD-FL-372. [Permit No. 1070025-004-AC/PSD-FL-372, Specific Condition 3.A.2.]

**A.7. Selective Catalytic Reduction (SCR) Systems.** The permittee shall tune, operate and maintain SCR systems for Units 1 and 2 to reduce NO<sub>x</sub> emissions as authorized by Permit No. 1070025-004-AC/PSD-FL-372. The SCR system shall be operated for a maximum ammonia slip rate of 5 ppmvd @ 15% O<sub>2</sub>. [Permit No. 1070025-004-AC/PSD-FL-372, Specific Condition 3.A.3.]

**A.8. Low NO<sub>x</sub> Burners.** The permittee shall tune, operate and maintain low NO<sub>x</sub> burners on Units 1 and 2. [Permit No. 1070025-004-AC/PSD-FL-372, Specific Condition 3.A.4.]

#### **Emission Limitations and Standards**

Unless otherwise specified, the averaging time(s) for Specific Condition(s) **A.9. - A.18.** are based on the specified averaging time of the applicable test method.

**A.9. PM Emissions.** No owner or operator subject to the provisions of 40 CFR 60 Subpart Da shall cause to be discharged into the atmosphere from any affected facility any gases which contain particulate matter in excess of:

- a. 13 ng/J (0.03 lb/MMBtu) heat input derived from the combustion of coal or fuel oil;
- b. 1% of the potential combustion concentration (99% reduction) when combusting solid fuel; and
- c. 30% of potential combustion concentration (70% reduction) when combusting liquid fuel.

Compliance with the 0.03 lb/MMBtu heat input emission limitation shall also constitute compliance with the 99% reduction requirement. [Permit Nos. PSD-FL-018A & 1070025-004-AC/PSD-FL-372, Specific Condition 3.A.11. and 40 CFR 60.42Da(a).]

**A.10. Visible Emissions.** Visible emissions shall not exceed 20% opacity (6-minute average), except for one 6-minute period per hour of not more than 27% opacity. This opacity standard applies at all times except during periods of startup, shutdown and malfunction. [40 CFR 60.11(c) and 40 CFR 60.42Da(b).]

**A.11. SO<sub>2</sub> Emissions – Coal.** When combusting coal in Units 1 and 2, the owner or operator shall not cause to be discharged into the atmosphere from either unit any gases which contain SO<sub>2</sub> in excess of 0.25 lb/MMBtu or 5% of the potential combustion concentration (95%) reduction, whichever is less stringent. Compliance with this emission standard shall be determined on a 30-day rolling average basis in accordance with the

### SECTION III. EMISSIONS UNITS AND SPECIFIC CONDITIONS.

#### Subsection A. Emission Units 001 & 002

##### Steam Electric Generator Nos. 1 & 2

procedures contained in 40 CFR Part 60, Subpart Da. [Permit No. 1070025-019-AC/PSD-FL-018B, Specific Condition 3.3]

**A.12. SO<sub>2</sub> Emissions - Liquid Fuel.** No owner or operator subject to the provisions of 40 CFR 60 Subpart Da shall cause to be discharged into the atmosphere from any affected facility which combusts liquid fuel any gases which contain sulfur dioxide in excess of:

- a. 340 ng/J (0.80 lb/MMBtu) heat input and 10% of the potential combustion concentration (90% reduction), or
- b. 100% of the potential combustion concentration (0% reduction) when emissions are less than 86 ng/J (0.20 lb/MMBtu) heat input.

Compliance with the emission limitation and percent reduction requirements are both determined on a 30-day rolling average basis in accordance with the NSPS Subpart Da provisions. [40 CFR 60.43Da(b) & (g) and Permit No. PSD-FL-018.]

**A.13. SO<sub>2</sub> Emissions - Prorated Coal with Oil.** When coal and fuel oil are combusted simultaneously, the applicable standard is determined by proration using the following formula:

$$PS_{SO_2} = X(340) + Y(520) / 100$$

where:

$PS_{SO_2}$  is the prorated standard for SO<sub>2</sub> when combusting coal and fuel oil simultaneously (ng/J heat input).

X is the percentage of total heat input derived from the combustion of fuel oil.

Y is the percentage of total heat input derived from the combustion of coal.

[Permit No. PSD-FL-018.]

**A.14. SO<sub>2</sub> Emissions.**

- a. SO<sub>2</sub> emissions shall not exceed 0.67 lb/MMBtu (combined for Units 1 and 2) based upon a 24 hour block average as determined by CEMS.
- b. The combined SO<sub>2</sub> emission rate shall be computed by adding the total pounds emitted for both Units 1 and 2, divided by the total heat input (MMBtu) for both Units 1 and 2 for each 24-hour block period.

[Permit No. 1070025-004-AC/PSD-FL-372, Specific Condition 3.A.7.]

**A.15. NO<sub>x</sub> Emissions - NSPS Subpart Da.** NO<sub>x</sub> emissions shall not exceed the following emission limits:

- a. *NO<sub>x</sub> emission limits.*
  - (1) Bituminous coal emission limit for heat input: 260 ng/J (0.60 lb/MMBtu); and,
  - (2) All other liquid fuels emission limit for heat input: 130 ng/J (0.30 lb/MMBtu).
- b. *NO<sub>x</sub> reduction requirement.*
  - (1) Solid fuels: 65% reduction of potential combustion concentration; and,
  - (2) Liquid fuels: 30% reduction of potential combustion concentration.

Compliance with the emission limitation and percent reduction requirements are both determined on a 30-day rolling average basis in accordance with the NSPS Subpart Da provisions. [40 CFR 60.44Da(a)(1) & (2).]

**A.16. NO<sub>x</sub> Emissions - Prorated Coal with Oil.** When coal and fuel oil are combusted simultaneously, the applicable standard is determined by proration using the following formula:

$$PS_{NO_x} = X(130) + Y(260) / 100$$

where:

$PS_{NO_x}$  is the prorated standard for nitrogen oxides when combusting coal and fuel oil simultaneously (ng/J heat input).

X is the percentage of total heat input derived from the combustion of fuel oil.

Y is the percentage of total heat input derived from the combustion of coal.

[Permit No. PSD-FL-018.]

**A.17. NO<sub>x</sub> Emissions.**

- a. The combined NO<sub>x</sub> emissions from Units 1 and 2 shall not exceed 0.07 lb/MMBtu based on a 12-month rolling average. Compliance shall be determined by data collected from the certified CEMS.

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### SECTION III. EMISSIONS UNITS AND SPECIFIC CONDITIONS.

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#### Subsection A. Emission Units 001 & 002

##### Steam Electric Generator Nos. 1 & 2

- b. The combined NO<sub>x</sub> emission rate shall be computed by adding the total pounds emitted for both Units 1 and 2 divided by the total heat input (MMBtu) for both Units 1 and 2 for each 12-month rolling period. [Permit Nos. 1070025-004-AC/PSD-FL-372, Specific Condition 3.A.8. & 1070025-012-AC/PSD-FL-372A.]

**A.18.** Phase II NO<sub>x</sub>. These emission units are regulated under Phase II NO<sub>x</sub> of the federal Acid Rain Program. Each unit's applicable emission limitation for each year of the approved Phase II NO<sub>x</sub> Compliance Plan is 0.46 lb/MMBtu from 40 CFR 76.7(a)(2) for dry bottom wall-fired boilers. See the Acid Rain Part of this permit, **Subsection IV.B.** [Chapter 62-213, F.A.C.; and, Rule 62-214.320, F.A.C.]

#### Excess Emissions

The Excess Emissions Rule at Rule 62-210.700, F.A.C., cannot vary any requirement of a NSPS, NESHAP, Acid Rain or CAIR provision.

- A.19.** Excess Emissions Allowed. Excess emissions from these emissions units resulting from startup, shutdown or malfunction shall be permitted providing (1) that best operational practices to minimize emissions are adhered to and (2) the duration of excess emissions shall be minimized but in no case exceed two hours in any 24 hour period unless specifically authorized by the Department for longer duration. [Rule 62-210.700(1), F.A.C.]
- A.20.** Best Operational Practices to Minimize Excess Emissions. The permittee shall follow the best operational practices to minimize excess emissions during startup and shutdown as described in the permit renewal application {see **Procedures for Startup and Shutdown**}. [Rules 62-210.700(2) and 62-213.440(1) (Operational Requirements that Assure Compliance), F.A.C.; and, Proposed by the Applicant in the Renewal Application.]
- A.21.** Excess Emissions Prohibited. Excess emissions which are caused entirely or in part by poor maintenance, poor operation, or any other equipment or process failure which may reasonably be prevented during startup, shutdown or malfunction shall be prohibited. [Rule 62-210.700(4), F.A.C.]

#### Continuous Monitoring Requirements

- A.22.** COMS. The owner or operator of an affected facility shall calibrate, maintain, and operate a continuous monitoring system, and record the output of the system, for measuring the opacity of emissions discharges to the atmosphere. If opacity interference due to water droplets exists in the stack (for example, from the use of a wet FGD system), the opacity shall be monitored upstream of the interference (at the inlet to the FGD system). If opacity interference is experienced at all locations (both at the inlet and outlet of the sulfur dioxide control system), alternate parameters indicative of the particulate matter control system's performance shall be monitored (subject to the approval of the Administrator). [40 CFR 60.47Da(a).]
- A.23.** SO<sub>2</sub> CEMS. The permittee shall calibrate, maintain and operate a continuous monitoring system, and record the output of the system, for measuring SO<sub>2</sub> emissions discharged to the atmosphere from each unit. The permittee shall use data collected from each CEMS to continuously demonstrate compliance with the emissions standards specified in this permit.
- The CEMS shall include the continuous measurement and recording of the O<sub>2</sub> or CO<sub>2</sub> content of the flue gases at each location where NO<sub>x</sub> emissions are monitored.
  - The permittee has installed and certified a SO<sub>2</sub> CEMS according to the requirements of 40 CFR 75.20(c)(1) and appendix A to 40 CFR Part 75, and shall continue to meet the ongoing quality assurance requirements of 40 CFR 75.21 and Appendix B to 40 CFR Part 75, subject to the special provisions in 40 CFR 60.49a (b)(4). Data collected by the Acid Rain SO<sub>2</sub> CEMS shall be used to demonstrate compliance with the SO<sub>2</sub> standards.
  - SO<sub>2</sub> emissions shall be monitored at both the inlet and outlet of the SO<sub>2</sub> control device. An "as fired" fuel monitoring system (upstream of coal pulverizers) meeting the requirements of Method 19 (Appendix A in 40 CFR 60) may be used to determine potential SO<sub>2</sub> emissions in place of the required continuous SO<sub>2</sub> emission monitor at the inlet to the SO<sub>2</sub> control device.

### SECTION III. EMISSIONS UNITS AND SPECIFIC CONDITIONS.

#### Subsection A. Emission Units 001 & 002

##### Steam Electric Generator Nos. 1 & 2

- d. The continuous monitoring systems shall be operated and data recorded during all periods of operation including periods of startup, shutdown, malfunction, or emergency conditions, except for continuous monitoring system breakdowns, repairs, calibration checks, and zero and span adjustments.

[Rules 62-4.070(1)&(3), 62-212.400 and 62-297.520, F.A.C.; Permit No. 1070025-004-AC/PSD-FL-372, Specific Condition 3.A.15.; 40 CFR 75; and, NSPS Subparts A and Da in 40 CFR 60.]

**A.24. NO<sub>x</sub> CEMS.** The permittee shall calibrate, maintain and operate a continuous monitoring system, and record the output of the system, for measuring NO<sub>x</sub> emissions discharged to the atmosphere from each unit. The permittee shall use data collected from each CEMS to continuously demonstrate compliance with the emissions standards specified in this permit.

- a. The CEMS shall include the continuous measurement and recording of the oxygen (O<sub>2</sub>) or carbon dioxide (CO<sub>2</sub>) content of the flue gases at each location where NO<sub>x</sub> emissions are monitored.
- b. The permittee has installed a NO<sub>x</sub> CEMS according to the Acid Rain requirements of 40 CFR Part 75 and shall continue to meet the ongoing requirements of 40 CFR Part 75; however, the permittee shall also meet the requirements of 40 CFR 60.51Da. Data reported to meet the requirements of 40 CFR 60.51Da (or permit limits with an averaging period of less than 12-months) shall not include data substituted using the missing data procedures in Subpart D of 40 CFR Part 75, nor shall the data have been bias adjusted according to the procedures of 40 CFR Part 75. Data collected by the Acid Rain NO<sub>x</sub> CEMS shall be used to demonstrate compliance with the NO<sub>x</sub> standards.

- c. The continuous monitoring systems shall be operated and data recorded during all periods of operation including periods of startup, shutdown, malfunction, or emergency conditions, except for continuous monitoring system breakdowns, repairs, calibration checks, and zero and span adjustments.

[Rules 62-4.070(1)&(3), 62-212.400 and 62-297.520, F.A.C.; Permit No. 1070025-004-AC/PSD-FL-372, Specific Condition 3.A.15.; 40 CFR 75; and, NSPS Subparts A and Da in 40 CFR 60.]

#### **Other Monitoring Requirements**

**A.25. CAM Plan.** These emission units are subject to the Compliance Assurance Monitoring (CAM) requirements contained in the attached Appendix CAM. Failure to adhere to the monitoring requirements specified does not necessarily indicate an exceedance of a specific emissions limitation; however, it may constitute good reason to require compliance testing pursuant to Rule 62-297.310(7)(b), F.A.C. [40 CFR 64; Rules 62-204.800 and 62-213.440(1)(b)1.a., F.A.C.]

**A.26. On-specification Used Oil.** The permittee shall conduct the following sampling and analyses to demonstrate compliance with the on-specification used oil fuel requirements.

- a. A sample collected from each batch delivered for firing shall be analyzed, or
- b. The batch delivered is from a collection site that has an acceptable analysis already on file with the facility and the analytical results are assumed by the facility for the batch.

For quantification purposes, the highest concentration of each constituent as determined by any analysis is assumed to be the concentration of the constituent of the blended used oil. [Rules 62-4.070(1)&(3) and 62-213.440(1)(b)2.a, F.A.C.]

#### **Test Methods and Procedures**

**A.27. Test Methods.** Required tests shall be performed in accordance with the following reference methods:

| Method     | Description of Method and Comments                                                                                                                                                                                                                                                               |
|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1-4        | Traverse Points, Velocity and Flow Rate, Gas Analysis, and Moisture Content                                                                                                                                                                                                                      |
| 5,5B or 17 | Method for Determining Particulate Matter Emissions (All PM is assumed to be PM <sub>10</sub> .)<br>{Note: The sampling time for each run shall be at least 120 minutes. The sample volume for each run shall be at least 1.70 dscm (60 dscf). The probe and filter holder heating system in the |

### SECTION III. EMISSIONS UNITS AND SPECIFIC CONDITIONS.

#### Subsection A. Emission Units 001 & 002 Steam Electric Generator Nos. 1 & 2

| Method             | Description of Method and Comments                                                                                                                                                                                                                               |
|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                    | sampling train may be set to provide an average gas temperature of no greater than 160° C ± 14° C (320° F ± 25° F).}                                                                                                                                             |
| 6 or 6C            | Determination of Sulfur Dioxide Emissions from Stationary Sources (Method for CEMS Rata)                                                                                                                                                                         |
| 7E                 | Determination of Nitrogen Oxide Emissions from Stationary Sources (Method for CEMS Rata)                                                                                                                                                                         |
| 9                  | Visual Determination of the Opacity of Emissions from Stationary Sources                                                                                                                                                                                         |
| 18, 25, 25A or 25B | Methods for Determining Gaseous Concentrations of Volatile Organic Compounds                                                                                                                                                                                     |
| 19                 | Determination of Sulfur Dioxide Removal Efficiency and Particulate Matter, Sulfur Dioxide, and Nitrogen Oxides Emission Rates (Optional F-factor method may be used to determine flow rate and gas analysis to calculate mass emissions in lieu of Methods 1-4.) |
| 320 or CTM-027     | Measurement of Ammonia Slip                                                                                                                                                                                                                                      |

The above methods are described in 40 CFR 60, Appendix A, and adopted by reference in Rule 62-204.800, F.A.C. No other methods may be used unless prior written approval is received from the Department. [Rule 62-297.401, F.A.C.; 40 CFR 60, Subpart Da; Rules 62-204.800 and 62-297.100, F.A.C.; and, 40 CFR 60, Appendix A.]

**A.28. Common Testing Requirements.** Unless otherwise specified, tests shall be conducted in accordance with the requirements and procedures specified in Appendix TR, Facility-Wide Testing Requirements, of this permit. [Rule 62-297.310, F.A.C.]

**A.29. Continuous Compliance.** The permittee shall demonstrate continuous compliance with the applicable emissions standards by collecting data with the required CEMS for the following pollutants: NO<sub>x</sub> and SO<sub>2</sub>. The permittee shall demonstrate continuous compliance with the applicable opacity standard by collecting data with the required COMS. [Rules 62-4.070(1)&(3), 62-212.400 and 62-297.520, F.A.C.; and, NSPS Subparts A and Da in 40 CFR 60.]

**A.30. Ammonia Slip - Tests.** The permittee shall conduct tests to determine the ammonia slip rate in accordance with EPA Method 320 or CTM-027 or other methods approved by EPA. Subsequent tests shall be conducted during each federal fiscal year. If tests show ammonia slip emissions are greater than 5 ppmvd corrected to 15% O<sub>2</sub>, the permittee shall take corrective actions such as repair, addition of catalyst, replacement of catalyst, etc. The corrective actions which are taken shall be submitted with the test data. A subsequent test shall be conducted to demonstrate that the corrective action resulted in ammonia slip emissions less than 5 ppmvd corrected to 15% O<sub>2</sub>. [Rules 62-4.070(1)&(3) and 62-297.310(7), F.A.C.; and, Permit No. 1070025-004-AC/PSD-FL-372, Specific Condition 3.A.14.]

**A.31. Annual Compliance Tests Required.** Except as provided in this permit, during each federal fiscal year (October 1<sup>st</sup> to September 30<sup>th</sup>), each emissions unit shall be tested to demonstrate compliance with the emissions standards for PM and ammonia slip. [Rules 62-213.440, and 62-297.310(7), F.A.C.; and, Permit No. 1070025-004-AC/PSD-FL-372, Specific Condition 3.A.11. & 14.]

**A.32. Compliance Tests Prior To Renewal.** Except as provided in this permit, compliance tests shall be performed for PM and ammonia slip once every 5 years. The tests shall occur prior to obtaining a renewed operating permit to demonstrate compliance with the emission limits. [Rules 62-210.300(2)(a) and 62-297.310(7)(a), F.A.C.]

#### **Recordkeeping and Reporting Requirements**

### SECTION III. EMISSIONS UNITS AND SPECIFIC CONDITIONS.

#### Subsection A. Emission Units 001 & 002

##### Steam Electric Generator Nos. 1 & 2

**A.33. Reporting Schedule.** The following reports and notifications shall be submitted to the Compliance Authority:

| Report                                                  | Reporting Deadline                                                                         | Related Conditions         |
|---------------------------------------------------------|--------------------------------------------------------------------------------------------|----------------------------|
| NSPS Excess Emissions and Monitoring System Performance | Every 6 months (semi-annual), except when more frequent reporting is specifically required | <b>Appendices A and Da</b> |
| Annual Summary of On-Specification Used Oil             | April 1 <sup>st</sup> of each year                                                         | <b>A.35.</b>               |

[40 CFR 60, Subparts A & Da.]

**A.34. On-Specification Used Oil - Records.** Records shall be kept of each delivery of on-specification used oil with a statement of the origin of the used oil and the quantity delivered and stored for firing. In addition, monthly records shall be kept of the quantity of on-specification used oil fired in each unit. [Rule 62-4.070(1)&(3), F.A.C.]

**A.35. On-Specification Used Oil - Summary Report.** For each “Annual Operating Report (AOR) for Air Pollutant Emitting Facility,” the permittee shall provide a summary of the on-specification used oil analyses for the calendar year and identify the total quantity of on-specification used oil fired during the calendar year. [Rule 62-213.440(1)(b)2.b, F.A.C.]

**A.36. Other Reporting Requirements.** See Appendix RR, Facility-Wide Reporting Requirements, for additional reporting requirements.

#### **NSPS 40 CFR 60 Requirements**

**A.37. NSPS 40 CFR 60 Requirements - Subpart Da.** Except as otherwise provided in this permit, these emission units shall comply with all applicable provisions of 40 CFR 60, Subpart Da, Standards of Performance for Fossil-Fuel Fired Steam Generators for Which Construction is Commenced After September 18, 1978, adopted by reference in Rule 62-204.800(8)(b)2., F.A.C. These emission units shall comply with **Appendix 40 CFR 60 Subpart Da** included with this permit. [Rule 62-204.800(8)(b)2., F.A.C.]

**A.38. NSPS 40 CFR 60 Requirements - Subpart A.** These emission units shall comply with all applicable requirements of 40 CFR 60, Subpart A, General Provisions including:  
40 CFR 60.7, Notification and Recordkeeping  
40 CFR 60.8, Performance Tests  
40 CFR 60.11, Compliance with Standards and Maintenance Requirements  
40 CFR 60.12, Circumvention  
40 CFR 60.13, Monitoring Requirements  
40 CFR 60.19, General Notification and Reporting requirements  
adopted by reference in Rule 62-204.800(8)(d), F.A.C., except that the Secretary is not the Administrator for purposes of 40 CFR 60.4, 40 CFR 60.8(b)(2) and (3), 40 CFR 60.11(e)(7) and (8), 40 CFR 60.13(g), (i) and (j)(2), and 40 CFR 60.16. These emission units shall comply with **Appendix 40 CFR 60 Subpart A** attached to this permit. [Rule 62-204.800(8)(d), F.A.C.]

#### **NESHAP 40 CFR 63 Requirements**

**A.39. NESHAP 40 CFR 63 Requirements - Subpart UUUUU.** These emission units shall comply with all applicable provisions of 40 CFR 63, Subpart UUUUU, National Emission Standards for Hazardous Air Pollutants: Coal- and Oil-Fired Electric Utility Steam Generating Units {also known as “MATS”}. This federal regulation has not been adopted by reference in Rule 62-204.800, F.A.C. Each emissions unit shall comply with **Appendix 40 CFR 63 Subpart UUUUU** attached to this permit no later than April 16, 2015. Each emissions unit is classified as an “existing” unit since each was constructed prior to May 3, 2011 and

### SECTION III. EMISSIONS UNITS AND SPECIFIC CONDITIONS.

#### Subsection A. Emission Units 001 & 002

##### Steam Electric Generator Nos. 1 & 2

has not been reconstructed. In addition, each emissions unit is considered a coal-fired unit not using low rank virgin coal. Subpart UUUUU applies the following emission limits to each emissions unit:

1. *Filterable Particulate Matter (PM)*. Emissions of PM shall not exceed either 0.030 pound/million British thermal unit (lb/MMBtu) or 0.30 pound per megawatt-hour (lb/MWh). In lieu of the filterable PM emission limit, the permittee may select to meet a total non-Hg HAP metals emission limit of either  $5.0 \times 10^{-5}$  lb/MMBtu or 0.50 pounds per gigawatt-hour (lb/GWh). Finally, in lieu of either filterable PM or total non-Hg HAP metals emission limits the permittee may meet the following individual HAP metal emission limits:
  - a. Antimony (Sb) - 0.80 pounds per terra Btu (lb/TBtu) or  $8.0 \times 10^{-3}$  lb/GWh.
  - b. Arsenic (As) - 1.1 lb/TBtu or 0.020 lb/GWh.
  - c. Beryllium (Be) - 0.20 lb/TBtu or  $2.0 \times 10^{-3}$  lb/GWh.
  - d. Cadmium (Cd) - 0.30 lb/TBtu or  $3.0 \times 10^{-3}$  lb/GWh.
  - e. Chromium (Cr) - 2.8 lb/TBtu or 0.030 lb/GWh.
  - f. Cobalt (Co) - 0.80 lb/TBtu or  $8.0 \times 10^{-3}$  lb/GWh.
  - g. Lead (Pb) - 1.2 lb/TBtu or 0.020 lb/GWh.
  - h. Manganese (Mn) - 4.0 lb/TBtu or 0.050 lb/GWh.
  - i. Nickel (Ni) - 3.5 lb/TBtu or 0.040 lb/GWh.
  - j. Selenium (Se) - 5.0 lb/TBtu or 0.060 lb/GWh.
2. *Hydrogen Chloride (HCl)*. Emissions of HCl shall not exceed either  $2.0 \times 10^{-3}$  lb/MMBtu or 0.020 lb/MWh. In lieu of HCl emission limit, the permittee may select to meet a SO<sub>2</sub> emission limit of either 0.20 lb/MMBtu or 1.5 lb/GWh.
3. *Mercury (Hg)*. Emissions of Hg shall not exceed either 1.2 lb/TBtu or 0.013 lb/GWh.

Compliance with the above emissions limits shall be demonstrated pursuant to one of the available options specified in 40 CFR 63, Subpart UUUUUU which is included as an appendix in the renewed Title V air operation permit. The permittee shall also comply with the recordkeeping and reporting requirements specified in the appendix.

[40 CFR 63, Subpart UUUUU.]

**A.40.** NESHAP 40 CFR 63 Requirements - Subpart A. These emission units shall comply with all applicable requirements of 40 CFR 63, Subpart A, General Provisions, which have been adopted by reference in Rule 62-204.800(11)(d)1., F.A.C., except that the Secretary is not the Administrator for purposes of 40 CFR 63.5(e), 40 CFR 63.5(f), 40 CFR 63.6(g), 40 CFR 63.6(h)(9), 40 CFR 63.6(j), 40 CFR 63.13, and 40 CFR 63.14. The applicable 40 CFR 63, Subpart A, General Provisions to which these emissions are subject to are found at 40 CFR 63.6665 and are included in **Appendix 40 CFR 63 Subpart A**. [Rule 62-204.800(11)(d)1., F.A.C.]

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### SECTION III. EMISSIONS UNITS AND SPECIFIC CONDITIONS.

#### Subsection B. Emissions Unit 004 Coal Handling and Storage Activities

The specific conditions in this section apply to the following emissions unit(s):

| E.U. ID No. | Brief Description                    |
|-------------|--------------------------------------|
| 004         | Coal Handling and Storage Activities |

The coal receiving, storage and transfer systems at the coal storage yard support the operation of the two power boilers. The coal storage yard began commercial operation in 1985. Particulate matter emissions are controlled at the “as-received transfer tower,” the “as-fired transfer tower” and the conveyors to the silos by a dry fogging system which replaced the fabric filter systems. Particulate matter emissions from storage piles are controlled by water sprays, as needed. Full enclosures or partial enclosures are also utilized as appropriate.

The facility is authorized to use RAMSORB 200 as a wet coal additive to absorb moisture and keep the coal from clumping. The additive consists of sodium polyacrylate, which is a non-hazardous material. Approximately 4 pounds of RAMSORB 200 per ton of coal is typically applied to improve handling. This activity was determined to be exempt from the requirement to obtain an air construction permit in Project No. 1070025-010-AC.

*{Permitting note(s): This emissions unit is regulated under: 40 CFR 60, Subpart Y, Standards of Performance for Coal Preparation Plants; and, Rule 62-212.400, F.A.C., Prevention of Significant Deterioration (PSD) [PSD-FL-018, as amended]; and, Rule 62-212.400(6), F.A.C., Best Available Control Technology (BACT) Determination.}*

#### **Essential Potential to Emit (PTE) Parameters**

**B.1. Permitted Capacity.** The maximum throughput rate shall not exceed 3,000 tons per hour for unloading trains and 1,700 tons per hour for reclaim operation. [Rules 62-4.160(2), 62-210.200(PTE) and 62-297.310(7), F.A.C.]

*{Permitting note(s): The throughput limitations have been placed in this specific condition to identify the capacity of each unit for the purposes of confirming that emissions testing is conducted at the appropriate operation rate as specified in Rule 62-297.310(2), F.A.C.}*

**B.2. Emissions Unit Testing.** See the related testing provisions in Appendix TR, Facility-wide Testing Requirements. [Rule 62-297.310(2), F.A.C.]

**B.3. Hours of Operation.** This emissions unit may operate continuously (8,760 hours/year). [Rule 62-210.200(PTE), F.A.C.]

#### **Emission Limitations and Standards**

Unless otherwise specified, the averaging time(s) for **Specific Condition B.4.** is based on the specified averaging time of the applicable test method.

**B.4. Visible Emissions (VE).** An owner or operator shall not cause to be discharged into the atmosphere from any coal processing and conveying equipment, coal storage system, or coal transfer and loading system processing coal, gases which exhibit 20% opacity {VE} or greater. [40 CFR 60.254(a); and, Permit No. PSD-FL-018.]

#### **Monitoring of Operations**

**B.5. Operations.** The permittee shall operate and maintain the dry fogging dust suppression system in accordance with the manufacturer’s Operation & Maintenance (O&M) Manual. [Permit Nos. 1070025-022-AC and 1070025-026-AC.]

#### **Test Methods and Procedures**

**B.6. Common Testing Requirements.** Unless otherwise specified, any tests shall be conducted in accordance with the requirements and procedures specified in Appendix TR, Facility-Wide Testing Requirements, of this permit. [Rule 62-297.310, F.A.C.]

### SECTION III. EMISSIONS UNITS AND SPECIFIC CONDITIONS.

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#### Subsection B. Emissions Unit 004 Coal Handling and Storage Activities

- B.7. Compliance Tests Prior To Renewal.** As authorized by Rule 62-297.310(7)(a)4., F.A.C., by this permit annual compliance testing for VE is not required. Compliance VE tests shall be performed for the regulated emission points prior to obtaining a renewed air operation permit. The individual coal handling and storage emission points (“regulated emission points”) requiring a renewal VE test are the emission points referred to as CH-002, CH-011, U-001 and U-002 silos. [Rules 62-210.300(2)(a) and 62-297.310(7)(a), F.A.C.]
- B.8. Operation Rate During Testing.** The permittee shall conduct VE compliance tests when the conveyor belts are on during normal operation. [Rules 62-4.070(1)&(3) and 62-297.310(2), F.A.C.]
- {Permitting note(s): The permitted capacity of the coal handling and storage emissions unit is based on conveyor belt capacity. Conveyor belt speed is set and does not vary during normal operation. However, feeder belts which supply coal to the conveyor belts are variable speed. Bins, crushers, and silos are filled on a batch process basis by the conveyor belts which are either on or off. The period at which the highest opacity can reasonably be expected to occur at the emission points subject to the standard, (i.e., CH-002, CH-011, U-001 and U-002 silos) shall be when the conveyor belts are on during normal operation.}*

#### **Recordkeeping and Reporting Requirements**

- B.9. Other Reporting Requirements.** See Appendix RR, Facility-Wide Reporting Requirements, for additional reporting requirements.
- B.10. Recordkeeping.** The permittee shall maintain on-site a copy of the O&M Manual for the dry fogging dust suppression system. [Permit No. 1070025-022-AC.]

#### **NSPS 40 CFR 60 Requirements**

- B.11. NSPS 40 CFR 60 Requirements - Subpart Y.** Except as otherwise provided in this permit, this emissions unit/points shall comply with all applicable provisions of 40 CFR 60, Subpart Y, Standards of Performance for Coal Preparation Plants, adopted and incorporated by reference in Rule 62-204.800(8)(b)31., F.A.C. This emissions unit/points shall comply with **Appendix 40 CFR 60 Subpart Y** included with this permit. [Rule 62-204.800(8)(b)2., F.A.C.]
- B.12. NSPS 40 CFR 60 Requirements - Subpart A.** This emissions unit shall comply with all applicable requirements of 40 CFR 60, Subpart A, General Provisions including:  
40 CFR 60.7, Notification and Recordkeeping  
40 CFR 60.8, Performance Tests  
40 CFR 60.11, Compliance with Standards and Maintenance Requirements  
40 CFR 60.12, Circumvention  
40 CFR 60.13, Monitoring Requirements  
40 CFR 60.19, General Notification and Reporting requirements  
adopted by reference in Rule 62-204.800(8)(d), F.A.C., except that the Secretary is not the Administrator for purposes of 40 CFR 60.4, 40 CFR 60.8(b)(2) and (3), 40 CFR 60.11(e)(7) and (8), 40 CFR 60.13(g), (i) and (j)(2), and 40 CFR 60.16. This emissions unit shall comply with **Appendix 40 CFR 60 Subpart A** attached to this permit. [Rule 62-204.800(8)(d), F.A.C.]

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### SECTION III. EMISSIONS UNITS AND SPECIFIC CONDITIONS.

#### Subsection C. Emissions Units 005

#### Limestone, Wet Scrubber Sludge and Ash Handling and Storage Activities

The specific conditions in this section apply to the following emissions unit(s):

| E.U. ID No. | Brief Description                                                      |
|-------------|------------------------------------------------------------------------|
| 005         | Limestone, Wet Scrubber Sludge and Ash Handling and Storage Activities |

The limestone handling and storage system consists of a limestone unloading facility where particulate matter emissions are controlled by a panel filter and a limestone handling and storage system which utilizes a partial enclosure to control particulate matter emissions.

In the flue gas desulphurization (FGD) sludge processing system, particulate matter emissions generated from the transfer of lime and fly ash from both truck and rail delivery are controlled by the use of baghouse filters. Scrubbers are also utilized to control particulate matter emissions in the FGD sludge processing building.

The facility has a dry ash handling system. This activity was determined to be exempt from the requirement to obtain an air construction permit in Project No. 1070025-018-AC.

*{Permitting note(s): This emissions unit is regulated under: Rule 62-212.400, F.A.C., Prevention of Significant Deterioration (PSD) [PSD-FL-018, as amended]; and, Rule 62-212.400(6), F.A.C., Best Available Control Technology (BACT) Determination.}*

#### **Essential Potential to Emit (PTE) Parameters**

**C.1. Permitted Capacities.** The maximum limestone unloading or transfer rate shall not exceed 400 tons per hour. The throughput rates for the sludge stabilization system are intermittent and variable. [Rules 62-4.160(2), 62-210.200(PTE) and 62-297.310(7), F.A.C.]

*{Permitting note(s): The throughput limitations have been placed in this specific condition to identify the capacity of each unit for the purposes of confirming that emissions testing is conducted at the appropriate operation rate as specified in Rule 62-297.310(2), F.A.C.}*

**C.2. Emissions Unit Testing.** See the related testing provisions in Appendix TR, Facility-wide Testing Requirements. [Rule 62-297.310(2), F.A.C.]

**C.3. Hours of Operation.** This emissions unit may operate continuously (8,760 hours/year). [Rule 62-210.200(PTE), F.A.C.]

#### **Operations**

**C.4. Dry Ash Handling System.** The truck loadout system shall be operated with either a boot seal that extends to the truck or a misting system to prevent fugitive dust when loading ash into the truck. When operating the boot seal, the truck loadout system shall also be operated with a ventilation system that directs air displaced from the truck during ash loading to the dry ash storage silo. [Project No. 1070025-018-AC and Permit No. 1070025-026-AC]

#### **Emission Limitations and Standards**

Unless otherwise specified, the averaging time(s) for Specific Condition C.5. is based on the specified averaging time of the applicable test method.

**C.5. Visible Emissions (VE).** An owner or operator shall not cause to be discharged into the atmosphere from this emissions unit, gases which exhibit 20% opacity {VE} or greater. [Permit No. PSD-FL-018.]

*{Permitting note(s): Emissions in the dry ash handling system are controlled by the enclosure of all ash conveying equipment. By Project No. 1070025-018-AC the permittee was required to enclose all ash conveying equipment.}*

### SECTION III. EMISSIONS UNITS AND SPECIFIC CONDITIONS.

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#### Subsection C. Emissions Units 005

#### Limestone, Wet Scrubber Sludge and Ash Handling and Storage Activities

##### **Monitoring of Operations**

- C.6. Baghouse Pressure Differential. For those emissions points specified herein containing a baghouse, the permittee shall maintain daily records of the differential pressure to assure that the baghouse is operating properly. Maintenance activities are initiated according to the permittee's previously submitted Action Plan. [Rule 62-4.070(1)&(3), F.A.C.]

##### **Test Methods and Procedures**

- C.7. Common Testing Requirements. Unless otherwise specified, any tests shall be conducted in accordance with the requirements and procedures specified in Appendix TR, Facility-Wide Testing Requirements, of this permit. [Rule 62-297.310, F.A.C.]
- C.8. Compliance Tests Prior To Renewal. As authorized by Rule 62-297.310(7)(a)4., F.A.C., by this permit annual compliance testing for VE is not required. Compliance VE tests shall be performed for the regulated emission points prior to obtaining a renewed operating permit. The individual limestone and FGD sludge handling points ("regulated emission points") requiring a renewal VE test are those with filter and wet scrubber equipment. These filter and wet scrubber equipment locations are specifically the emission points referred to as L-001, FGD-001 or FGD-002, FGD-003 or FGD-004, FGD-005 or FGD-006, FGD-007 or FGD-008, and FGD-009 or FGD-010. [Rules 62-210.300(2)(a) and 62-297.310(7)(a), F.A.C.]
- C.9. Operation Rate During Testing. The permittee shall conduct VE compliance tests during normal operation when delivering or unloading. [Rules 62-4.070(1)&(3) and 62-297.310(2), F.A.C.]  
*{Permitting note(s): Normal operating conditions when delivering or unloading by truck or rail shall constitute the appropriate time period for conducting the VE test.}*

##### **Recordkeeping and Reporting Requirements**

- C.10. Other Reporting Requirements. See Appendix RR, Facility-Wide Reporting Requirements, for additional reporting requirements.

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## SECTION IV. ACID RAIN PART.

### Federal Acid Rain Provisions

**Operated by:** Seminole Electric Cooperative, Inc.

**Plant Name:** Seminole Generating Station

**ORIS Code:** 1360

#### **Subsection A. This Subsection addresses Acid Rain, Phase II SO<sub>2</sub>.**

The emissions units listed below are regulated under Phase II SO<sub>2</sub> of the federal Acid Rain Program.

| E.U. ID No. | Brief Description              |
|-------------|--------------------------------|
| 001         | Steam Electric Generator No. 1 |
| 002         | Steam Electric Generator No. 2 |

**A.1. Acid Rain Part Application.** The Phase II SO<sub>2</sub> Acid Rain Part application submitted for this facility, as approved by the Department, is a part of this permit. The owners and operators of these Phase II acid rain units must comply with the standard requirements and special provisions set forth in the application(s) listed below:

- a. DEP Form No. 62-210.900(1)(a) - Form, Effective: 3/16/08, received on May 19, 2014, and signed by the Designated Representative on May 19, 2014, which is included at the end of this subsection.  
[Chapter 62-213, F.A.C.; and, Rule 62-214.320, F.A.C.]

**A.2. Sulfur dioxide (SO<sub>2</sub>) Emission Allowances.** SO<sub>2</sub> emissions from sources subject to the Federal Acid Rain Program (Title IV) shall not exceed any allowances that the source lawfully holds under the Federal Acid Rain Program. Allowances shall not be used to demonstrate compliance with a non-Title IV applicable requirement of the Act.

- a. No permit revision shall be required for increases in emissions that are authorized by allowances acquired pursuant to the Federal Acid Rain Program, provided that such increases do not require a permit revision pursuant to Rule 62-213.400(3), F.A.C.
- b. No limit shall be placed on the number of allowances held by the source under the Federal Acid Rain Program.
- c. Allowances shall be accounted for under the Federal Acid Rain Program.  
[Rule 62-213.440(1)(c)1., 2. & 3., F.A.C.]

**A.3. Comments, Notes, and Justifications.** None.

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## SECTION IV. ACID RAIN PART.

### Federal Acid Rain Provisions

## Acid Rain Part Application

For more information, see instructions and refer to 40 CFR 72.30, 72.31, and 74; and Chapter 62-214, F.A.C.

This submission is: ☐ New ☐ Revised ☒ Renewal

#### STEP 1

Identify the source by plant name, state, and ORIS or plant code.

|                                    |                |                 |
|------------------------------------|----------------|-----------------|
| <b>Seminole Generating Station</b> | <b>Florida</b> | <b>136</b>      |
| Plant name                         | State          | ORIS/Plant Code |

#### STEP 2

Enter the unit ID# for every Acid Rain unit at the Acid Rain source in column "a."

If unit a SO<sub>2</sub> Opt-in unit, enter "yes" in column "b".

For new units or SO<sub>2</sub> Opt-in units, enter the requested information in columns "d" and "e."

| a        | b                                           | c                                                              | d                                                              | e                                                                     |
|----------|---------------------------------------------|----------------------------------------------------------------|----------------------------------------------------------------|-----------------------------------------------------------------------|
| Unit ID# | SO <sub>2</sub> Opt-in Unit?<br>(Yes or No) | Unit will hold allowances in accordance with 40 CFR 72.9(c)(1) | New or SO <sub>2</sub> Opt-in Units<br>Commence Operation Date | New or SO <sub>2</sub> Opt-in Units<br>Monitor Certification Deadline |
| 001      | No                                          | Yes                                                            | N/A                                                            | N/A                                                                   |
| 002      | No                                          | Yes                                                            | N/A                                                            | N/A                                                                   |
|          |                                             | Yes                                                            |                                                                |                                                                       |
|          |                                             | Yes                                                            |                                                                |                                                                       |
|          |                                             | Yes                                                            |                                                                |                                                                       |
|          |                                             | Yes                                                            |                                                                |                                                                       |
|          |                                             | Yes                                                            |                                                                |                                                                       |
|          |                                             | Yes                                                            |                                                                |                                                                       |
|          |                                             | Yes                                                            |                                                                |                                                                       |
|          |                                             | Yes                                                            |                                                                |                                                                       |
|          |                                             | Yes                                                            |                                                                |                                                                       |
|          |                                             | Yes                                                            |                                                                |                                                                       |

## SECTION IV. ACID RAIN PART.

### Federal Acid Rain Provisions

Seminole Generating Station

Plant Name (from STEP 1)

#### STEP 3

Read the  
standard  
requirements.

#### Acid Rain Part Requirements.

- (1) The designated representative of each Acid Rain source and each Acid Rain unit at the source shall:
  - (i) Submit a complete Acid Rain Part application (including a compliance plan) under 40 CFR Part 72 and Rules 62-214.320 and 330, F.A.C., in accordance with the deadlines specified in Rule 62-214.320, F.A.C.; and
  - (ii) Submit in a timely manner any supplemental information that the DEP determines is necessary in order to review an Acid Rain Part application and issue or deny an Acid Rain Part;
- (2) The owners and operators of each Acid Rain source and each Acid Rain unit at the source shall:
  - (i) Operate the unit in compliance with a complete Acid Rain Part application or a superseding Acid Rain Part issued by the DEP; and
  - (ii) Have an Acid Rain Part.

#### Monitoring Requirements.

- (1) The owners and operators and, to the extent applicable, designated representative of each Acid Rain source and each Acid Rain unit at the source shall comply with the monitoring requirements as provided in 40 CFR Part 75, and Rule 62-214.420, F.A.C.
- (2) The emissions measurements recorded and reported in accordance with 40 CFR Part 75 shall be used to determine compliance by the unit with the Acid Rain emissions limitations and emissions reduction requirements for sulfur dioxide and nitrogen oxides under the Acid Rain Program.
- (3) The requirements of 40 CFR Part 75 shall not affect the responsibility of the owners and operators to monitor emissions of other pollutants or other emissions characteristics at the unit under other applicable requirements of the Act and other provisions of the operating permit for the source.
- (4) For applications including a SO<sub>2</sub> Opt-In unit, a monitoring plan for each SO<sub>2</sub> Opt-In unit must be submitted with this application pursuant to 40 CFR 74.14(a). For renewal applications for SO<sub>2</sub> Opt-In units include an updated monitoring plan if applicable under 40 CFR 75.53(b).

#### Sulfur Dioxide Requirements.

- (1) The owners and operators of each source and each Acid Rain unit at the source shall:
  - (i) Hold allowances, as of the allowance transfer deadline, in the unit's compliance subaccount (after deductions under 40 CFR 73.34(c)), or in the compliance subaccount of another Acid Rain unit at the same source to the extent provided in 40 CFR 73.35(b)(3), not less than the total annual emissions of sulfur dioxide for the previous calendar year from the unit; and
  - (ii) Comply with the applicable Acid Rain emissions limitations for sulfur dioxide.
- (2) Each ton of sulfur dioxide emitted in excess of the Acid Rain emissions limitations for sulfur dioxide shall constitute a separate violation of the Act.
- (3) An Acid Rain unit shall be subject to the requirements under paragraph (1) of the sulfur dioxide requirements as follows:
  - (i) Starting January 1, 2000, an Acid Rain unit under 40 CFR 72.6(a)(2); or
  - (ii) Starting on the later of January 1, 2000, or the deadline for monitor certification under 40 CFR Part 75, an Acid Rain unit under 40 CFR 72.6(a)(3).
- (4) Allowances shall be held in, deducted from, or transferred among Allowance Tracking System accounts in accordance with the Acid Rain Program.
- (5) An allowance shall not be deducted in order to comply with the requirements under paragraph (1) of the sulfur dioxide requirements prior to the calendar year for which the allowance was allocated.
- (6) An allowance allocated by the Administrator under the Acid Rain Program is a limited authorization to emit sulfur dioxide in accordance with the Acid Rain Program. No provision of the Acid Rain Program, the Acid Rain Part application, the Acid Rain Part, or an exemption under 40 CFR 72.7 or 72.8 and no provision of law shall be construed to limit the authority of the United States to terminate or limit such authorization.
- (7) An allowance allocated by the Administrator under the Acid Rain Program does not constitute a property right.

Nitrogen Oxides Requirements. The owners and operators of the source and each Acid Rain unit at the source shall comply with the applicable Acid Rain emissions limitation for nitrogen oxides.

#### Excess Emissions Requirements.

- (1) The designated representative of an Acid Rain unit that has excess emissions in any calendar year shall submit a proposed offset plan, as required under 40 CFR Part 77.
- (2) The owners and operators of an Acid Rain unit that has excess emissions in any calendar year shall:
  - (i) Pay without demand the penalty required, and pay upon demand the interest on that penalty, as required by 40 CFR Part 77; and
  - (ii) Comply with the terms of an approved offset plan, as required by 40 CFR Part 77.

#### Recordkeeping and Reporting Requirements.

- (1) Unless otherwise provided, the owners and operators of the source and each Acid Rain unit at the source shall keep on site at the source each of the following documents for a period of 5 years from the date the document is created. This period may be extended for cause, at any time prior to the end of 5 years, in writing by the EPA or the DEP:
  - (i) The certificate of representation for the designated representative for the source and each Acid Rain unit at the source and all documents that demonstrate the truth of the statements in the certificate of representation, in accordance with Rule 62-214.350, F.A.C.; provided that the certificate and documents shall be retained on site at the source beyond such 5-year period until such documents are superseded because of the submission of a new certificate of representation changing the designated representative;
  - (ii) All emissions monitoring information, in accordance with 40 CFR Part 75, provided that to the extent that 40 CFR Part 75 provides for a 3-year period for recordkeeping, the 3-year period shall apply;
  - (iii) Copies of all reports, compliance certifications, and other submissions and all records made or required under the Acid Rain Program; and,

**SECTION IV. ACID RAIN PART.**  
**Federal Acid Rain Provisions**

Seminole Generating Station

Plant Name (from STEP 1)

**STEP 3,**  
**Continued.**

**Recordkeeping and Reporting Requirements (cont)**

(iv) Copies of all documents used to complete an Acid Rain Part application and any other submission under the Acid Rain Program or to demonstrate compliance with the requirements of the Acid Rain Program.

(2) The designated representative of an Acid Rain source and each Acid Rain unit at the source shall submit the reports and compliance certifications required under the Acid Rain Program, including those under 40 CFR Part 72, Subpart I, and 40 CFR Part 75.

**Liability.**

(1) Any person who knowingly violates any requirement or prohibition of the Acid Rain Program, a complete Acid Rain Part application, an Acid Rain Part, or an exemption under 40 CFR 72.7 or 72.8, including any requirement for the payment of any penalty owed to the United States, shall be subject to enforcement pursuant to section 113(c) of the Act.

(2) Any person who knowingly makes a false, material statement in any record, submission, or report under the Acid Rain Program shall be subject to criminal enforcement pursuant to section 113(c) of the Act and 18 U.S.C. 1001.

(3) No permit revision shall excuse any violation of the requirements of the Acid Rain Program that occurs prior to the date that the revision takes effect.

(4) Each Acid Rain source and each Acid Rain unit shall meet the requirements of the Acid Rain Program.

(5) Any provision of the Acid Rain Program that applies to an Acid Rain source (including a provision applicable to the designated representative of an Acid Rain source) shall also apply to the owners and operators of such source and of the Acid Rain units at the source.

(6) Any provision of the Acid Rain Program that applies to an Acid Rain unit (including a provision applicable to the designated representative of an Acid Rain unit) shall also apply to the owners and operators of such unit. Except as provided under 40 CFR 72.44 (Phase II repowering extension plans) and 40 CFR 76.11 (NO<sub>x</sub> averaging plans), and except with regard to the requirements applicable to units with a common stack under 40 CFR Part 75 (including 40 CFR 75.16, 75.17, and 75.18), the owners and operators and the designated representative of one Acid Rain unit shall not be liable for any violation by any other Acid Rain unit of which they are not owners or operators or the designated representative and that is located at a source of which they are not owners or operators or the designated representative.

(7) Each violation of a provision of 40 CFR Parts 72, 73, 74, 75, 76, 77, and 78 by an Acid Rain source or Acid Rain unit, or by an owner or operator or designated representative of such source or unit, shall be a separate violation of the Act.

**Effect on Other Authorities.**

No provision of the Acid Rain Program, an Acid Rain Part application, an Acid Rain Part, or an exemption under 40 CFR 72.7 or 72.8 shall be construed as:

(1) Except as expressly provided in title IV of the Act, exempting or excluding the owners and operators and, to the extent applicable, the designated representative of an Acid Rain source or Acid Rain unit from compliance with any other provision of the Act, including the provisions of title I of the Act relating to applicable National Ambient Air Quality Standards or State Implementation Plans;

(2) Limiting the number of allowances a unit can hold; *provided*, that the number of allowances held by the unit shall not affect the source's obligation to comply with any other provisions of the Act;

(3) Requiring a change of any kind in any state law regulating electric utility rates and charges, affecting any state law regarding such state regulation, or limiting such state regulation, including any prudence review requirements under such state law;

(4) Modifying the Federal Power Act or affecting the authority of the Federal Energy Regulatory Commission under the Federal Power Act; or,

(5) Interfering with or impairing any program for competitive bidding for power supply in a state in which such program is established.

**STEP 4**  
**For SO<sub>2</sub> Opt-in**  
**units only.**

In column "f" enter the unit ID# for every SO<sub>2</sub> Opt-in unit identified in column "a" of STEP 2.

For column "g" describe the combustion unit and attach information and diagrams on the combustion unit's configuration.

In column "h" enter the hours.

| f        | g                                  | h (not required for renewal application)                                      |
|----------|------------------------------------|-------------------------------------------------------------------------------|
| Unit ID# | Description of the combustion unit | Number of hours unit operated in the six months preceding initial application |
|          |                                    |                                                                               |
|          |                                    |                                                                               |
|          |                                    |                                                                               |
|          |                                    |                                                                               |
|          |                                    |                                                                               |
|          |                                    |                                                                               |
|          |                                    |                                                                               |

# SECTION IV. ACID RAIN PART.

## Federal Acid Rain Provisions

Seminole Generating Station

Plant Name (from STEP 1)

### STEP 5

For SO<sub>2</sub> Opt-in units only.  
(Not required for SO<sub>2</sub> Opt-in renewal applications.)

In column "j" enter the unit ID# for every SO<sub>2</sub> Opt-in unit identified in column "a" (and in column "f").

For columns "j" through "n," enter the information required under 40 CFR 74.20-74.25 and attach all supporting documentation required by 40 CFR 74.20-74.25.

| i        | j                                                           | k                                                                    | l                                                                            | m                                                                               | n                                                                                 |
|----------|-------------------------------------------------------------|----------------------------------------------------------------------|------------------------------------------------------------------------------|---------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| Unit ID# | Baseline or Alternative Baseline under 40 CFR 74.20 (mmBtu) | Actual SO <sub>2</sub> Emissions Rate under 40 CFR 74.22 (lbs/mmBtu) | Allowable 1985 SO <sub>2</sub> Emissions Rate under 40 CFR 74.23 (lbs/mmBtu) | Current Allowable SO <sub>2</sub> Emissions Rate under 40 CFR 74.24 (lbs/mmBtu) | Current Promulgated SO <sub>2</sub> Emissions Rate under 40 CFR 74.25 (lbs/mmBtu) |
|          |                                                             |                                                                      |                                                                              |                                                                                 |                                                                                   |
|          |                                                             |                                                                      |                                                                              |                                                                                 |                                                                                   |
|          |                                                             |                                                                      |                                                                              |                                                                                 |                                                                                   |
|          |                                                             |                                                                      |                                                                              |                                                                                 |                                                                                   |
|          |                                                             |                                                                      |                                                                              |                                                                                 |                                                                                   |
|          |                                                             |                                                                      |                                                                              |                                                                                 |                                                                                   |
|          |                                                             |                                                                      |                                                                              |                                                                                 |                                                                                   |
|          |                                                             |                                                                      |                                                                              |                                                                                 |                                                                                   |
|          |                                                             |                                                                      |                                                                              |                                                                                 |                                                                                   |

### STEP 6

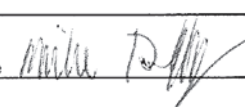
For SO<sub>2</sub> Opt-in units only.

Attach additional requirements, certify and sign.

- If the combustion source seeks to qualify for a transfer of allowances from the replacement of thermal energy, a thermal energy plan as provided in 40 CFR 74.47 for combustion sources must be attached.
- A statement whether the combustion unit was previously an affected unit under 40 CFR 74.
- A statement that the combustion unit is not an affected unit under 40 CFR 72.6 and does not have an exemption under 40 CFR 72.7, 72.8, or 72.14.
- Attach a complete compliance plan for SO<sub>2</sub> under 40 CFR 72.40.
- The designated representative of the combustion unit shall submit a monitoring plan in accordance with 40 CFR 74.61. For renewal application, submit an updated monitoring plan if applicable under 40 CFR 75.53(b).
- The following statement must be signed by the designated representative or alternate designated representative of the combustion source: "I certify that the data submitted under 40 CFR Part 74, Subpart C, reflects actual operations of the combustion source and has not been adjusted in any way."

### STEP 7

Read the certification statement; provide name, title, owner company name, phone, and e-mail address; sign, and date.

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |                                                 |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------------------------------------|--|
| Signature                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  | Date                                            |  |
| <b>Certification (for designated representative or alternate designated representative only)</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |  |                                                 |  |
| I am authorized to make this submission on behalf of the owners and operators of the Acid Rain source or Acid Rain units for which the submission is made. I certify under penalty of law that I have personally examined, and am familiar with, the statements and information submitted in this document and all its attachments. Based on my inquiry of those individuals with primary responsibility for obtaining the information, I certify that the statements and information are to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false statements and information or omitting required statements and information, including the possibility of fine or imprisonment. |  |                                                 |  |
| Mike Roddy<br>Name                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  | Director of Environmental Affairs<br>Title      |  |
| Seminole Electric Cooperative, Inc.<br>Owner Company Name                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  |                                                 |  |
| (813) 739 - 1224<br>Phone                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |  | wmrodty@seminole-electric.com<br>E-mail address |  |
| Signature                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  | Date 5/19/14                                    |  |

, DC 20460

DEP Form No. 62-210.900(1)(a) – Form  
Effective: 3/16/08

## SECTION IV. ACID RAIN PART.

### Federal Acid Rain Provisions

**Operated by:** Seminole Electric Cooperative, Inc.

**Plant Name:** Seminole Generating Station

**ORIS Code:** 1360

#### **Subsection B. This Subsection addresses Acid Rain, Phase II NO<sub>x</sub>.**

The emissions units listed below are regulated under Phase II NO<sub>x</sub> of the federal Acid Rain Program.

| E.U. ID No. | Brief Description              |
|-------------|--------------------------------|
| 001         | Steam Electric Generator No. 1 |
| 002         | Steam Electric Generator No. 2 |

**B.1. Acid Rain Part Application.** The Phase II Acid Rain Part application submitted for this facility, as approved by the Department, is a part of this permit. The owners and operators of these Phase II acid rain units must comply with the standard requirements and special provisions set forth in the application(s) listed below:

- a. Phase II NO<sub>x</sub> Compliance Plan, DEP Form No. 62-210.900(1)(a)3. - Form, Effective: 03/11/10, received on September 22, 2014, and signed by the Designated Representative on September 19, 2014, which is included at the end of this subsection.

[Chapter 62-213, F.A.C.; and, Rule 62-214.320, F.A.C.]

**B.2.** Nitrogen oxide (NO<sub>x</sub>) requirements for each Acid Rain Phase II unit are as follows:

| E.U. ID No. | EPA ID    | NO <sub>x</sub> Limit <sup>1</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-------------|-----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 001 & 002   | 001 & 002 | <p>The Florida Department of Environmental Protection approves a NO<sub>x</sub> compliance plan for this unit. The compliance plan is effective for calendar year 2015 through calendar year 2019.</p> <p>These units' applicable emission limitation for each year of the plan, is 0.46 lb/MMBtu from 40 CFR 76.7(a)(2) for dry bottom wall-fired boilers.</p> <p>In addition to the described NO<sub>x</sub> compliance plan, these units shall comply with all other applicable requirements of 40 CFR Part 76, including the duty to reapply for a NO<sub>x</sub> compliance plan and the requirements covering excess emissions.</p> |

<sup>1</sup> Based on the Phase II NO<sub>x</sub> Compliance Plan, EPA Form 7610-28 (12-03).

**B.3.** Where an applicable requirement of the Act is more stringent than applicable regulations promulgated under Title IV of the Act, both provisions shall be incorporated into the permit and shall be enforceable by the Administrator. [40 CFR 70.6(a)(1)(ii); and Rule 62-210.200, F.A.C., Definitions - Applicable Requirements.]

**B.4. Comments, Notes, and Justifications.** None.

[Table of Content](#)

## SECTION IV. ACID RAIN PART.

## Federal Acid Rain Provisions

## Florida Department of Environmental Protection

Phase II NO<sub>x</sub> Compliance Plan

For more information, see instructions and refer to 40 CFR 76.9

This submission is:

New ☐ Revised ☐ Renewal ☒

Page 1 of 3

|                                                                                     |                                                                                                                                                                                                                                                                                                                                       |                         |                         |
|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|-------------------------|
| STEP 1<br>Indicate plant name, state,<br>and ORIS code from NADB, if<br>applicable. | <b>Seminole Generating Station</b><br>Plant Name                                                                                                                                                                                                                                                                                      | <b>Florida</b><br>State | <b>136</b><br>ORIS Code |
| STEP 2                                                                              | Identify each affected Group 1 and Group 2 boiler using the boiler ID# from NADB, if applicable. Indicate boiler type: "CB" for cell burner, "CY" for cyclone, "DBW" for dry bottom wall-fired, "T" for tangentially fired, "V" for vertically fired, and "WB" for wet bottom. Indicate the compliance option selected for each unit. |                         |                         |

| ID#  | ID#  | ID#  | ID#  | ID#  | ID#  |
|------|------|------|------|------|------|
| 001  | 002  |      |      |      |      |
| Type | Type | Type | Type | Type | Type |
| DBW  | DBW  |      |      |      |      |

(a) Standard annual average emission limitation of 0.50 lb/mmBtu (for Phase I dry bottom wall-fired boilers)☐ ☐ ☐ ☐ ☐ ☐(b) Standard annual average emission limitation of 0.45 lb/mmBtu (for Phase I tangentially fired boilers)☐ ☐ ☐ ☐ ☐ ☐

(c) EPA-approved early election plan under 40 CFR 76.8 through 12/31/07 (also indicate above emission limit specified in plan)

☐ ☐ ☐ ☐ ☐ ☐(d) Standard annual average emission limitation of 0.46 lb/mmBtu (for Phase II dry bottom wall-fired boilers)☒ ☒ ☐ ☐ ☐ ☐(e) Standard annual average emission limitation of 0.40 lb/mmBtu (for Phase II tangentially fired boilers)☐ ☐ ☐ ☐ ☐ ☐

(f) Standard annual average emission limitation of 0.68 lb/mmBtu (for cell burner boilers)

☐ ☐ ☐ ☐ ☐ ☐

(g) Standard annual average emission limitation of 0.86 lb/mmBtu (for cyclone boilers)

☐ ☐ ☐ ☐ ☐ ☐

(h) Standard annual average emission limitation of 0.80 lb/mmBtu (for vertically fired boilers)

☐ ☐ ☐ ☐ ☐ ☐

(i) Standard annual average emission limitation of 0.84 lb/mmBtu (for wet bottom boilers)

☐ ☐ ☐ ☐ ☐ ☐(j) NO<sub>x</sub> Averaging Plan (include NO<sub>x</sub> Averaging form)☐ ☐ ☐ ☐ ☐ ☐

(k) Common stack pursuant to 40 CFR 75.17(a)(2)(i)(A) (check the standard emission limitation box above for most stringent limitation applicable to any unit utilizing stack)

☐ ☐ ☐ ☐ ☐ ☐

# SECTION IV. ACID RAIN PART.

## Federal Acid Rain Provisions

### Seminole Generating Station

Plant Name (from Step 1)

Page 2 of 3

#### STEP 2, cont'd.

| ID#  | ID#  | ID#  | ID#  | ID#  | ID#  |
|------|------|------|------|------|------|
| Type | Type | Type | Type | Type | Type |

(l) Common stack pursuant to 40 CFR 75.17(a)(2)(i)(B) with NO<sub>x</sub> Averaging (check the NO<sub>x</sub> Averaging Plan box and include NO<sub>x</sub> Averaging Form)

☐ ☐ ☐ ☐ ☐ ☐

(m) EPA-approved common stack apportionment method pursuant to 40 CFR 75.17 (a)(2)(i)(C), (a)(2)(iii)(B), or (b)(2)

☐ ☐ ☐ ☐ ☐ ☐

(n) AEL (include Phase II AEL Demonstration Period, Final AEL Petition, or AEL Renewal form as appropriate)

☐ ☐ ☐ ☐ ☐ ☐

(o) Petition for AEL demonstration period or final AEL under review by U.S. EPA or demonstration period ongoing

☐ ☐ ☐ ☐ ☐ ☐

(p) Repowering extension plan approved or under review

☐ ☐ ☐ ☐ ☐ ☐

#### STEP 3

Read the standard requirements and certification, enter the name of the designated representative, sign and date.

#### Standard Requirements

General. This source is subject to the standard requirements in 40 CFR 72.9 (consistent with 40 CFR 76.8(e)(1)(i)). These requirements are listed in this source's Acid Rain Part of its Title V permit.

#### Special Provisions for Early Election Units

Nitrogen Oxides. A unit that is governed by an approved early election plan shall be subject to an emissions limitation for NO<sub>x</sub> as provided under 40 CFR 76.8(a)(2) except as provided under 40 CFR 76.8(e)(3)(iii).

Liability. The owners and operators of a unit governed by an approved early election plan shall be liable for any violation of the plan or 40 CFR 76.8 at that unit. The owners and operators shall be liable, beginning January 1, 2000, for fulfilling the obligations specified in 40 CFR Part 77.

Termination. An approved early election plan shall be in effect only until the earlier of January 1, 2008 or January 1 of the calendar year for which a termination of the plan takes effect. If the designated representative of the unit under an approved early election plan fails to demonstrate compliance with the applicable emissions limitation under 40 CFR 76.5 for any year during the period beginning January 1 of the first year the early election takes effect and ending December 31, 2007, the permitting authority will terminate the plan. The termination will take effect beginning January 1 of the year after the year for which there is a failure to demonstrate compliance, and the designated representative may not submit a new early election plan. The designated representative of the unit under an approved early election plan may terminate the plan any year prior to 2008 but may not submit a new early election plan. In order to terminate the plan, the designated representative must submit a notice under 40 CFR 72.40(d) by January 1 of the year for which the termination is to take effect. If an early election plan is terminated any year prior to 2000, the unit shall meet, beginning January 1, 2000, the applicable emissions limitation for NO<sub>x</sub> for Phase II units with Group 1 boilers under 40 CFR 76.7. If an early election plan is terminated on or after 2000, the unit shall meet, beginning on the effective date of the termination, the applicable emissions limitation for NO<sub>x</sub> for Phase II units with Group 1 boilers under 40 CFR 76.7.

## SECTION IV. ACID RAIN PART.

### Federal Acid Rain Provisions

#### Seminole Generating Station

Plant Name (from Step 1)

Page 3 of 3

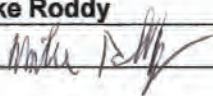
STEP 3, cont'd.

#### Certification

I am authorized to make this submission on behalf of the owners and operators of the affected source or affected units for which the submission is made. I certify under penalty of law that I have personally examined, and am familiar with, the statements and information submitted in this document and all its attachments. Based on my inquiry of those individuals with primary responsibility for obtaining the information, I certify that the statements and information are to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false statements and information or omitting required statements and information, including the possibility of fine or imprisonment.

Name **Mike Roddy**

Signature



Date

9/19/14

#### Contact Information

Email Address: [wmroddy@seminole-electric.com](mailto:wmroddy@seminole-electric.com)

Phone: (813) 739-1224

**Operated by:** Seminole Electric Cooperative, Inc.  
**Plant Name:** Seminole Generating Station  
**ORIS Code:** 1360

**This Subsection addresses CAIR.**

The emissions units below are regulated under the Clean Air Interstate Rule.

| <b>E.U. ID No.</b> | <b>Brief Description</b>       |
|--------------------|--------------------------------|
| 001                | Steam Electric Generator No. 1 |
| 002                | Steam Electric Generator No. 2 |

1. Clean Air Interstate Rule Application. The Clean Air Interstate Rule Part Form submitted for this facility is a part of this permit. The owners and operators of these CAIR units as identified in this form must comply with the standard requirements and special provisions set forth in the CAIR Part Form (DEP Form No. 62-210.900(1)(b) - Form, Effective: 3/16/08), received on May 19, 2014, and signed by the Designated Representative on May 19, 2014, which is included at the end of this subsection. [Chapter 62-213, F.A.C. and Rule 62-210.200, F.A.C.]
2. Comments, Notes, and Justifications. None.

[Table of Content](#)

For more information, see instructions and refer to 40 CFR 96.121, 96.122, 96.221, 96.222, 96.321 and 96.322; and Rule 62-296.470, F.A.C.

### STEP 1

|                                         |                |                                |
|-----------------------------------------|----------------|--------------------------------|
| Plant Name: Seminole Generating Station | State: Florida | ORIS or EIA Plant Code:<br>136 |
|-----------------------------------------|----------------|--------------------------------|

[illegible]

Seminole Generating Station  
Plant Name (from STEP 1)

**STEP 3**

**Read the  
standard  
requirements.**

**CAIR NO<sub>x</sub> ANNUAL TRADING PROGRAM**

CAIR Part Requirements.

- (1) The CAIR designated representative of each CAIR NO<sub>x</sub> source and each CAIR NO<sub>x</sub> unit at the source shall:
  - (i) Submit to the DEP a complete and certified CAIR Part form under 40 CFR 96.122 and Rule 62-296.470, F.A.C., in accordance with the deadlines specified in Rule 62-213.420, F.A.C.; and
  - (ii) [Reserved];
- (2) The owners and operators of each CAIR NO<sub>x</sub> source and each CAIR NO<sub>x</sub> unit at the source shall have a CAIR Part included in the Title V operating permit issued by the DEP under 40 CFR Part 96, Subpart CC, and operate the source and the unit in compliance with such CAIR Part.

Monitoring, Reporting, and Recordkeeping Requirements.

- (1) The owners and operators, and the CAIR designated representative, of each CAIR NO<sub>x</sub> source and each CAIR NO<sub>x</sub> unit at the source shall comply with the monitoring, reporting, and recordkeeping requirements of 40 CFR Part 96, Subpart HH, and Rule 62-296.470, F.A.C.
- (2) The emissions measurements recorded and reported in accordance with 40 CFR Part 96, Subpart HH, shall be used to determine compliance by each CAIR NO<sub>x</sub> source with the following CAIR NO<sub>x</sub> Emissions Requirements.

NO<sub>x</sub> Emission Requirements.

- (1) As of the allowance transfer deadline for a control period, the owners and operators of each CAIR NO<sub>x</sub> source and each CAIR NO<sub>x</sub> unit at the source shall hold, in the source's compliance account, CAIR NO<sub>x</sub> allowances available for compliance deductions for the control period under 40 CFR 96.154(a) in an amount not less than the tons of total NO<sub>x</sub> emissions for the control period from all CAIR NO<sub>x</sub> units at the source, as determined in accordance with 40 CFR Part 96, Subpart HH.
- (2) A CAIR NO<sub>x</sub> unit shall be subject to the requirements under paragraph (1) of the NO<sub>x</sub> Requirements starting on the later of January 1, 2009, or the deadline for meeting the unit's monitor certification requirements under 40 CFR 96.170(b)(1) or (2) and for each control period thereafter.
- (3) A CAIR NO<sub>x</sub> allowance shall not be deducted, for compliance with the requirements under paragraph (1) of the NO<sub>x</sub> Requirements, for a control period in a calendar year before the year for which the CAIR NO<sub>x</sub> allowance was allocated.
- (4) CAIR NO<sub>x</sub> allowances shall be held in, deducted from, or transferred into or among CAIR NO<sub>x</sub> Allowance Tracking System accounts in accordance with 40 CFR Part 96, Subparts FF and GG.
- (5) A CAIR NO<sub>x</sub> allowance is a limited authorization to emit one ton of NO<sub>x</sub> in accordance with the CAIR NO<sub>x</sub> Annual Trading Program. No provision of the CAIR NO<sub>x</sub> Annual Trading Program, the CAIR Part, or an exemption under 40 CFR 96.105 and no provision of law shall be construed to limit the authority of the state or the United States to terminate or limit such authorization.
- (6) A CAIR NO<sub>x</sub> allowance does not constitute a property right.
- (7) Upon recordation by the Administrator under 40 CFR Part 96, Subpart EE, FF, or GG, every allocation, transfer, or deduction of a CAIR NO<sub>x</sub> allowance to or from a CAIR NO<sub>x</sub> unit's compliance account is incorporated automatically in any CAIR Part of the source that includes the CAIR NO<sub>x</sub> unit.

Excess Emissions Requirements.

If a CAIR NO<sub>x</sub> source emits NO<sub>x</sub> during any control period in excess of the CAIR NO<sub>x</sub> emissions limitation, then:

- (1) The owners and operators of the source and each CAIR NO<sub>x</sub> unit at the source shall surrender the CAIR NO<sub>x</sub> allowances required for deduction under 40 CFR 96.154(d)(1) and pay any fine, penalty, or assessment or comply with any other remedy imposed, for the same violations, under the Clean Air Act or applicable state law; and
- (2) Each ton of such excess emissions and each day of such control period shall constitute a separate violation of 40 CFR Part 96, Subpart AA, the Clean Air Act, and applicable state law.

Recordkeeping and Reporting Requirements.

- (1) Unless otherwise provided, the owners and operators of the CAIR NO<sub>x</sub> source and each CAIR NO<sub>x</sub> unit at the source shall keep on site at the source each of the following documents for a period of 5 years from the date the document is created. This period may be extended for cause, at any time before the end of 5 years, in writing by the DEP or the Administrator.
  - (i) The certificate of representation under 40 CFR 96.113 for the CAIR designated representative for the source and each CAIR NO<sub>x</sub> unit at the source and all documents that demonstrate the truth of the statements in the certificate of representation; provided that the certificate and documents shall be retained on site at the source beyond such 5-year period until such documents are superseded because of the submission of a new certificate of representation under 40 CFR 96.113 changing the CAIR designated representative.
  - (ii) All emissions monitoring information, in accordance with 40 CFR Part 96, Subpart HH, of this part, provided that to the extent that 40 CFR Part 96, Subpart HH, provides for a 3-year period for recordkeeping, the 3-year period shall apply.
  - (iii) Copies of all reports, compliance certifications, and other submissions and all records made or required under the CAIR NO<sub>x</sub> Annual Trading Program.
  - (iv) Copies of all documents used to complete a CAIR Part form and any other submission under the CAIR NO<sub>x</sub> Annual Trading Program or to demonstrate compliance with the requirements of the CAIR NO<sub>x</sub> Annual Trading Program.
- (2) The CAIR designated representative of a CAIR NO<sub>x</sub> source and each CAIR NO<sub>x</sub> unit at the source shall submit the reports required under the CAIR NO<sub>x</sub> Annual Trading Program, including those under 40 CFR Part 96, Subpart HH.

Seminole Generating Station  
Plant Name (from STEP 1)

**STEP 3,  
Continued**

Liability.

- (1) Each CAIR NO<sub>x</sub> source and each CAIR NO<sub>x</sub> unit shall meet the requirements of the CAIR NO<sub>x</sub> Annual Trading Program.
- (2) Any provision of the CAIR NO<sub>x</sub> Annual Trading Program that applies to a CAIR NO<sub>x</sub> source or the CAIR designated representative of a CAIR NO<sub>x</sub> source shall also apply to the owners and operators of such source and of the CAIR NO<sub>x</sub> units at the source.
- (3) Any provision of the CAIR NO<sub>x</sub> Annual Trading Program that applies to a CAIR NO<sub>x</sub> unit or the CAIR designated representative of a CAIR NO<sub>x</sub> unit shall also apply to the owners and operators of such unit.

Effect on Other Authorities.

No provision of the CAIR NO<sub>x</sub> Annual Trading Program, a CAIR Part, or an exemption under 40 CFR 96.105 shall be construed as exempting or excluding the owners and operators, and the CAIR designated representative, of a CAIR NO<sub>x</sub> source or CAIR NO<sub>x</sub> unit from compliance with any other provision of the applicable, approved State Implementation Plan, a federally enforceable permit, or the Clean Air Act.

**CAIR SO<sub>2</sub> TRADING PROGRAM**

CAIR Part Requirements.

- (1) The CAIR designated representative of each CAIR SO<sub>2</sub> source and each CAIR SO<sub>2</sub> unit at the source shall:
  - (i) Submit to the DEP a complete and certified CAIR Part form under 40 CFR 96.222 and Rule 62-296.470, F.A.C., in accordance with the deadlines specified in Rule 62-213.420, F.A.C.; and
  - (ii) [Reserved];
- (2) The owners and operators of each CAIR SO<sub>2</sub> source and each CAIR SO<sub>2</sub> unit at the source shall have a CAIR Part included in the Title V operating permit issued by the DEP under 40 CFR Part 96, Subpart CCC, for the source and operate the source and each CAIR unit in compliance with such CAIR Part.

Monitoring, Reporting, and Recordkeeping Requirements.

- (1) The owners and operators, and the CAIR designated representative, of each CAIR SO<sub>2</sub> source and each SO<sub>2</sub> CAIR unit at the source shall comply with the monitoring, reporting, and recordkeeping requirements of 40 CFR Part 96, Subpart HHH, and Rule 62-296.470, F.A.C.
- (2) The emissions measurements recorded and reported in accordance with 40 CFR Part 96, Subpart HHH, shall be used to determine compliance by each CAIR SO<sub>2</sub> source with the following CAIR SO<sub>2</sub> Emission Requirements.

SO<sub>2</sub> Emission Requirements.

- (1) As of the allowance transfer deadline for a control period, the owners and operators of each CAIR SO<sub>2</sub> source and each CAIR SO<sub>2</sub> unit at the source shall hold, in the source's compliance account, a tonnage equivalent in CAIR SO<sub>2</sub> allowances available for compliance deductions for the control period, as determined in accordance with 40 CFR 96.254(a) and (b), not less than the tons of total sulfur dioxide emissions for the control period from all CAIR SO<sub>2</sub> units at the source, as determined in accordance with 40 CFR Part 96, Subpart HHH.
- (2) A CAIR SO<sub>2</sub> unit shall be subject to the requirements under paragraph (1) of the Sulfur Dioxide Emission Requirements starting on the later of January 1, 2010 or the deadline for meeting the unit's monitor certification requirements under 40 CFR 96.270(b)(1) or (2) and for each control period thereafter.
- (3) A CAIR SO<sub>2</sub> allowance shall not be deducted, for compliance with the requirements under paragraph (1) of the SO<sub>2</sub> Emission Requirements, for a control period in a calendar year before the year for which the CAIR SO<sub>2</sub> allowance was allocated.
- (4) CAIR SO<sub>2</sub> allowances shall be held in, deducted from, or transferred into or among CAIR SO<sub>2</sub> Allowance Tracking System accounts in accordance with 40 CFR Part 96, Subparts FFF and GGG.
- (5) A CAIR SO<sub>2</sub> allowance is a limited authorization to emit sulfur dioxide in accordance with the CAIR SO<sub>2</sub> Trading Program. No provision of the CAIR SO<sub>2</sub> Trading Program, the CAIR Part, or an exemption under 40 CFR 96.205 and no provision of law shall be construed to limit the authority of the state or the United States to terminate or limit such authorization.
- (6) A CAIR SO<sub>2</sub> allowance does not constitute a property right.
- (7) Upon recordation by the Administrator under 40 CFR Part 96, Subpart FFF or GGG, every allocation, transfer, or deduction of a CAIR SO<sub>2</sub> allowance to or from a CAIR SO<sub>2</sub> unit's compliance account is incorporated automatically in any CAIR Part of the source that includes the CAIR SO<sub>2</sub> unit.

Excess Emissions Requirements.

If a CAIR SO<sub>2</sub> source emits SO<sub>2</sub> during any control period in excess of the CAIR SO<sub>2</sub> emissions limitation, then:

- (1) The owners and operators of the source and each CAIR SO<sub>2</sub> unit at the source shall surrender the CAIR SO<sub>2</sub> allowances required for deduction under 40 CFR 96.254(d)(1) and pay any fine, penalty, or assessment or comply with any other remedy imposed, for the same violations, under the Clean Air Act or applicable state law; and
- (2) Each ton of such excess emissions and each day of such control period shall constitute a separate violation of 40 CFR Part 96, Subpart AAA, the Clean Air Act, and applicable state law.

Seminole Generating Station  
Plant Name (from STEP 1)

**STEP 3,  
Continued**

**Recordkeeping and Reporting Requirements.**

(1) Unless otherwise provided, the owners and operators of the CAIR SO<sub>2</sub> source and each CAIR SO<sub>2</sub> unit at the source shall keep on site at the source each of the following documents for a period of 5 years from the date the document is created. This period may be extended for cause, at any time before the end of 5 years, in writing by the Department or the Administrator.

(i) The certificate of representation under 40 CFR 96.213 for the CAIR designated representative for the source and each CAIR SO<sub>2</sub> unit at the source and all documents that demonstrate the truth of the statements in the certificate of representation; provided that the certificate and documents shall be retained on site at the source beyond such 5-year period until such documents are superseded because of the submission of a new certificate of representation under 40 CFR 96.213 changing the CAIR designated representative.

(ii) All emissions monitoring information, in accordance with 40 CFR Part 96, Subpart HHH, of this part, provided that to the extent that 40 CFR Part 96, Subpart HHH, provides for a 3-year period for recordkeeping, the 3-year period shall apply.

(iii) Copies of all reports, compliance certifications, and other submissions and all records made or required under the CAIR SO<sub>2</sub> Trading Program.

(iv) Copies of all documents used to complete a CAIR Part form and any other submission under the CAIR SO<sub>2</sub> Trading Program or to demonstrate compliance with the requirements of the CAIR SO<sub>2</sub> Trading Program.

(2) The CAIR designated representative of a CAIR SO<sub>2</sub> source and each CAIR SO<sub>2</sub> unit at the source shall submit the reports required under the CAIR SO<sub>2</sub> Trading Program, including those under 40 CFR Part 96, Subpart HHH.

**Liability.**

(1) Each CAIR SO<sub>2</sub> source and each CAIR SO<sub>2</sub> unit shall meet the requirements of the CAIR SO<sub>2</sub> Trading Program.

(2) Any provision of the CAIR SO<sub>2</sub> Trading Program that applies to a CAIR SO<sub>2</sub> source or the CAIR designated representative of a CAIR SO<sub>2</sub> source shall also apply to the owners and operators of such source and of the CAIR SO<sub>2</sub> units at the source.

(3) Any provision of the CAIR SO<sub>2</sub> Trading Program that applies to a CAIR SO<sub>2</sub> unit or the CAIR designated representative of a CAIR SO<sub>2</sub> unit shall also apply to the owners and operators of such unit.

**Effect on Other Authorities.**

No provision of the CAIR SO<sub>2</sub> Trading Program, a CAIR Part, or an exemption under 40 CFR 96.205 shall be construed as exempting or excluding the owners and operators, and the CAIR designated representative, of a CAIR SO<sub>2</sub> source or CAIR SO<sub>2</sub> unit from compliance with any other provision of the applicable, approved State Implementation Plan, a federally enforceable permit, or the Clean Air Act.

**CAIR NO<sub>x</sub> OZONE SEASON TRADING PROGRAM**

**CAIR Part Requirements.**

(1) The CAIR designated representative of each CAIR NO<sub>x</sub> Ozone Season source and each CAIR NO<sub>x</sub> Ozone Season unit at the source shall:

(i) Submit to the DEP a complete and certified CAIR Part form under 40 CFR 96.322 and Rule 62-296.470, F.A.C., in accordance with the deadlines specified in Rule 62-213.420, F.A.C.; and

(ii) (Reserved);

(2) The owners and operators of each CAIR NO<sub>x</sub> Ozone Season source required to have a Title V operating permit or air construction permit, and each CAIR NO<sub>x</sub> Ozone Season unit required to have a Title V operating permit or air construction permit at the source shall have a CAIR Part included in the Title V operating permit or air construction permit issued by the DEP under 40 CFR Part 96, Subpart CCCC, for the source and operate the source and the unit in compliance with such CAIR Part.

**Monitoring, Reporting, and Recordkeeping Requirements.**

(1) The owners and operators, and the CAIR designated representative, of each CAIR NO<sub>x</sub> Ozone Season source and each CAIR NO<sub>x</sub> Ozone Season unit at the source shall comply with the monitoring, reporting, and recordkeeping requirements of 40 CFR Part 96, Subpart HHHH, and Rule 62-296.470, F.A.C.

(2) The emissions measurements recorded and reported in accordance with 40 CFR Part 96, Subpart HHHH, shall be used to determine compliance by each CAIR NO<sub>x</sub> Ozone Season source with the following CAIR NO<sub>x</sub> Ozone Season Emissions Requirements.

**NO<sub>x</sub> Ozone Season Emission Requirements.**

(1) As of the allowance transfer deadline for a control period, the owners and operators of each CAIR NO<sub>x</sub> Ozone Season source and each CAIR NO<sub>x</sub> Ozone Season unit at the source shall hold, in the source's compliance account, CAIR NO<sub>x</sub> Ozone Season allowances available for compliance deductions for the control period under 40 CFR 96.354(a) in an amount not less than the tons of total NO<sub>x</sub> emissions for the control period from all CAIR NO<sub>x</sub> Ozone Season units at the source, as determined in accordance with 40 CFR Part 96, Subpart HHHH.

(2) A CAIR NO<sub>x</sub> Ozone Season unit shall be subject to the requirements under paragraph (1) of the NO<sub>x</sub> Ozone Season Emission Requirements starting on the later of May 1, 2009 or the deadline for meeting the unit's monitor certification requirements under 40 CFR 96.370(b)(1),(2), or (3) and for each control period thereafter.

(3) A CAIR NO<sub>x</sub> Ozone Season allowance shall not be deducted, for compliance with the requirements under paragraph (1) of the NO<sub>x</sub> Ozone Season Emission Requirements, for a control period in a calendar year before the year for which the CAIR NO<sub>x</sub> Ozone Season allowance was allocated.

(4) CAIR NO<sub>x</sub> Ozone Season allowances shall be held in, deducted from, or transferred into or among CAIR NO<sub>x</sub> Ozone Season Allowance Tracking System accounts in accordance with 40 CFR Part 96, Subparts FFFF and GGGG.

(5) A CAIR NO<sub>x</sub> Ozone Season allowance is a limited authorization to emit one ton of NO<sub>x</sub> in accordance with the CAIR NO<sub>x</sub> Ozone Season Trading Program. No provision of the CAIR NO<sub>x</sub> Ozone Season Trading Program, the CAIR Part, or an exemption under 40 CFR 96.305 and no provision of law shall be construed to limit the authority of the state or the United States to terminate or limit such authorization.

(6) A CAIR NO<sub>x</sub> Ozone Season allowance does not constitute a property right.

(7) Upon recordation by the Administrator under 40 CFR Part 96, Subpart EEEE, FFFF or GGGG, every allocation, transfer, or deduction of a CAIR NO<sub>x</sub> Ozone Season allowance to or from a CAIR NO<sub>x</sub> Ozone Season unit's compliance account is incorporated automatically in any CAIR Part of the source that includes the CAIR NO<sub>x</sub> Ozone Season unit.

Seminole Generating Station  
Plant Name (from STEP 1)

**STEP 3,  
Continued**

Excess Emissions Requirements.

If a CAIR NO<sub>x</sub> Ozone Season source emits NO<sub>x</sub> during any control period in excess of the CAIR NO<sub>x</sub> Ozone Season emissions limitation, then:  
(1) The owners and operators of the source and each CAIR NO<sub>x</sub> Ozone Season unit at the source shall surrender the CAIR NO<sub>x</sub> Ozone Season allowances required for deduction under 40 CFR 96.354(d)(1) and pay any fine, penalty, or assessment or comply with any other remedy imposed, for the same violations, under the Clean Air Act or applicable state law; and  
(2) Each ton of such excess emissions and each day of such control period shall constitute a separate violation of 40 CFR Part 96, Subpart AAAA, the Clean Air Act, and applicable state law.

Recordkeeping and Reporting Requirements.

(1) Unless otherwise provided, the owners and operators of the CAIR NO<sub>x</sub> Ozone Season source and each CAIR NO<sub>x</sub> Ozone Season unit at the source shall keep on site at the source each of the following documents for a period of 5 years from the date the document is created. This period may be extended for cause, at any time before the end of 5 years, in writing by the DEP or the Administrator.

(i) The certificate of representation under 40 CFR 96.313 for the CAIR designated representative for the source and each CAIR NO<sub>x</sub> Ozone Season unit at the source and all documents that demonstrate the truth of the statements in the certificate of representation; provided that the certificate and documents shall be retained on site at the source beyond such 5-year period until such documents are superseded because of the submission of a new certificate of representation under 40 CFR 96.113 changing the CAIR designated representative.

(ii) All emissions monitoring information, in accordance with 40 CFR Part 96, Subpart HHHH, of this part, provided that to the extent that 40 CFR Part 96, Subpart HHHH, provides for a 3-year period for recordkeeping, the 3-year period shall apply.

(iii) Copies of all reports, compliance certifications, and other submissions and all records made or required under the CAIR NO<sub>x</sub> Ozone Season Trading Program.

(iv) Copies of all documents used to complete a CAIR Part form and any other submission under the CAIR NO<sub>x</sub> Ozone Season Trading Program or to demonstrate compliance with the requirements of the CAIR NO<sub>x</sub> Ozone Season Trading Program.

(2) The CAIR designated representative of a CAIR NO<sub>x</sub> Ozone Season source and each CAIR NO<sub>x</sub> Ozone Season unit at the source shall submit the reports required under the CAIR NO<sub>x</sub> Ozone Season Trading Program, including those under 40 CFR Part 96, Subpart HHHH.

Liability.

(1) Each CAIR NO<sub>x</sub> Ozone Season source and each CAIR NO<sub>x</sub> Ozone Season unit shall meet the requirements of the CAIR NO<sub>x</sub> Ozone Season Trading Program.

(2) Any provision of the CAIR NO<sub>x</sub> Ozone Season Trading Program that applies to a CAIR NO<sub>x</sub> Ozone Season source or the CAIR designated representative of a CAIR NO<sub>x</sub> Ozone Season source shall also apply to the owners and operators of such source and of the CAIR NO<sub>x</sub> Ozone Season units at the source.

(3) Any provision of the CAIR NO<sub>x</sub> Ozone Season Trading Program that applies to a CAIR NO<sub>x</sub> Ozone Season unit or the CAIR designated representative of a CAIR NO<sub>x</sub> Ozone Season unit shall also apply to the owners and operators of such unit.

Effect on Other Authorities.

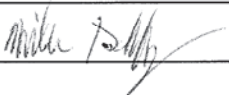
No provision of the CAIR NO<sub>x</sub> Ozone Season Trading Program, a CAIR Part, or an exemption under 40 CFR 96.305 shall be construed as exempting or excluding the owners and operators, and the CAIR designated representative, of a CAIR NO<sub>x</sub> Ozone Season source or CAIR NO<sub>x</sub> Ozone Season unit from compliance with any other provision of the applicable, approved State Implementation Plan, a federally enforceable permit, or the Clean Air Act.

**STEP 4**

**Certification (for designated representative or alternate designated representative only)**

**Read the  
certification  
statement; provide  
name, title, owner  
company name,  
phone, and e-mail  
address; sign, and  
date.**

I am authorized to make this submission on behalf of the owners and operators of the CAIR source or CAIR units for which the submission is made. I certify under penalty of law that I have personally examined, and am familiar with, the statements and information submitted in this document and all its attachments. Based on my inquiry of those individuals with primary responsibility for obtaining the information, I certify that the statements and information are to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false statements and information or omitting required statements and information, including the possibility of fine or imprisonment.

|                                                                                               |                                                 |
|-----------------------------------------------------------------------------------------------|-------------------------------------------------|
| Mike Roddy<br>Name                                                                            | Director of Environmental Affairs<br>Title      |
| Seminole Electric Cooperative, Inc.<br>Company Owner Name                                     |                                                 |
| (813) 739 - 1224<br>Phone                                                                     | wmroddy@seminole-electric.com<br>E-mail Address |
| Signature  | Date 5/19/14                                    |

**SECTION VI. TRANSPORT RULE PART.****Transport Rule Provisions****Operated by:** Seminole Electric Cooperative, Inc.**Plant Name:** Seminole Generating Station**ORIS Code:** 1360**Transport Rule (TR) Trading Program Title V Requirements****Description of TR Monitoring Provisions**

The TR subject units, and the unit-specific monitoring provisions at this source, are identified in the following table. These units are subject to the requirements for the TR NO<sub>x</sub> Ozone Season Trading Program.

| Unit ID: 001 and 002 |                                                                                                                                                                                                            |                                                                                                             |                                                                                                                     |                                                                                                                 |                                                                                               |
|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|
| Parameter            | Continuous emission monitoring system or systems (CEMS) requirements pursuant to 40 CFR part 75, subpart B (for SO <sub>2</sub> monitoring) and 40 CFR part 75, subpart H (for NO <sub>x</sub> monitoring) | Excepted monitoring system requirements for gas- and oil-fired units pursuant to 40 CFR part 75, appendix D | Excepted monitoring system requirements for gas- and oil-fired peaking units pursuant to 40 CFR part 75, appendix E | Low Mass Emissions excepted monitoring (LME) requirements for gas- and oil-fired units pursuant to 40 CFR 75.19 | EPA-approved alternative monitoring system requirements pursuant to 40 CFR part 75, subpart E |
| SO <sub>2</sub>      | Yes                                                                                                                                                                                                        | No                                                                                                          | No                                                                                                                  | No                                                                                                              | No                                                                                            |
| NO <sub>x</sub>      | Yes                                                                                                                                                                                                        | No                                                                                                          | No                                                                                                                  | No                                                                                                              | No                                                                                            |
| Heat input           | No                                                                                                                                                                                                         | No                                                                                                          | No                                                                                                                  | No                                                                                                              | No                                                                                            |

1. The above description of the monitoring used by a unit does not change, create an exemption from, or otherwise affect the monitoring, recordkeeping, and reporting requirements applicable to the unit under 40 CFR 97.530 through 97.535 (TR NO<sub>x</sub> Ozone Season Trading Program). The monitoring, recordkeeping and reporting requirements applicable to each unit are included below in the standard conditions for the applicable TR trading programs.
2. Owners and operators must submit to the Administrator a monitoring plan for each unit in accordance with 40 CFR 75.53, 75.62 and 75.73, as applicable. The monitoring plan for each unit is available at the EPA's website at <http://www2.epa.gov/airmarkets/monitoring-plans>.
3. Owners and operators that want to use an alternative monitoring system must submit to the Administrator a petition requesting approval of the alternative monitoring system in accordance with 40 CFR 75, Subpart E, 40 CFR 75.66 and 40 CFR 97.535 (TR NO<sub>x</sub> Ozone Season Trading Program). The Administrator's response approving or disapproving any petition for an alternative monitoring system is available on the EPA's website at <http://www.epa.gov/airmarkets/emissions/petitions.html>. <http://www2.epa.gov/airmarkets/part-75-petition-responses>.
4. Owners and operators that want to use an alternative to any monitoring, recordkeeping, or reporting requirement under 40 CFR 97.530 through 97.534 (TR NO<sub>x</sub> Ozone Season Trading Program) must submit to the Administrator a petition requesting approval of the alternative in accordance with 40 CFR 75.66 and 40 CFR 97.535 (TR NO<sub>x</sub> Ozone Season Trading Program). The Administrator's response approving or

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## SECTION VI. TRANSPORT RULE PART.

### Transport Rule Provisions

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disapproving any petition for an alternative to a monitoring, recordkeeping, or reporting requirement is available on EPA's website at <http://www.epa.gov/airmarkets/emissions/petitions.html>.

5. The descriptions of monitoring applicable to the units included above meet the requirement of 40 CFR 97.530 through 97.534 (TR NO<sub>x</sub> Ozone Season Trading Program), and therefore minor permit modification procedures, in accordance with 40 CFR 70.7(e)(2)(i)(B) or 71.7(e)(1)(i)(B), may be used to add to or change this unit's monitoring system description.

#### **TR NO<sub>x</sub> Ozone Season Trading Program Requirements (40 CFR 97.506)**

6. Designated Representative Requirements. The owners and operators shall comply with the requirement to have a designated representative, and may have an alternate designated representative, in accordance with 40 CFR 97.513 through 97.518.
7. Emissions Monitoring, Reporting, and Recordkeeping Requirements.
  - a. The owners and operators, and the designated representative, of each TR NO<sub>x</sub> Ozone Season source and each TR NO<sub>x</sub> Ozone Season unit at the source shall comply with the monitoring, reporting, and recordkeeping requirements of 40 CFR 97.530 (general requirements, including installation, certification, and data accounting, compliance deadlines, reporting data, prohibitions, and long-term cold storage), 97.531 (initial monitoring system certification and recertification procedures), 97.532 (monitoring system out-of-control periods), 97.533 (notifications concerning monitoring), 97.534 (recordkeeping and reporting, including monitoring plans, certification applications, quarterly reports, and compliance certification), and 97.535 (petitions for alternatives to monitoring, recordkeeping, or reporting requirements).
  - b. The emissions data determined in accordance with 40 CFR 97.530 through 97.535 shall be used to calculate allocations of TR NO<sub>x</sub> Ozone Season allowances under 40 CFR 97.511(a)(2) and (b) and 97.512 and to determine compliance with the TR NO<sub>x</sub> Ozone Season emissions limitation and assurance provisions under Condition 8 below, provided that, for each monitoring location from which mass emissions are reported, the mass emissions amount used in calculating such allocations and determining such compliance shall be the mass emissions amount for the monitoring location determined in accordance with 40 CFR 97.530 through 97.535 and rounded to the nearest ton, with any fraction of a ton less than 0.50 being deemed to be zero.
8. NO<sub>x</sub> Emissions Requirements.
  - a. *TR NO<sub>x</sub> Ozone Season Emissions Limitation.*
    - (1) As of the allowance transfer deadline for a control period in a given year, the owners and operators of each TR NO<sub>x</sub> Ozone Season source and each TR NO<sub>x</sub> Ozone Season unit at the source shall hold, in the source's compliance account, TR NO<sub>x</sub> Ozone Season allowances available for deduction for such control period under 40 CFR 97.524(a) in an amount not less than the tons of total NO<sub>x</sub> emissions for such control period from all TR NO<sub>x</sub> Ozone Season units at the source.
    - (2) If total NO<sub>x</sub> emissions during a control period in a given year from the TR NO<sub>x</sub> Ozone Season units at a TR NO<sub>x</sub> Ozone Season source are in excess of the TR NO<sub>x</sub> Ozone Season emissions limitation set forth in paragraph (1) above, then:
      - (a) The owners and operators of the source and each TR NO<sub>x</sub> Ozone Season unit at the source shall hold the TR NO<sub>x</sub> Ozone Season allowances required for deduction under 40 CFR 97.524(d); and
      - (b) The owners and operators of the source and each TR NO<sub>x</sub> Ozone Season unit at the source shall pay any fine, penalty, or assessment or comply with any other remedy imposed, for the same violations, under the Clean Air Act, and each ton of such excess emissions and each day of such control period shall constitute a separate violation of 40 CFR part 97, subpart BBBBBB and the Clean Air Act.
  - b. *TR NO<sub>x</sub> Ozone Season Assurance Provisions.*
    - (1) If total NO<sub>x</sub> emissions during a control period in a given year from all TR NO<sub>x</sub> Ozone Season units at TR NO<sub>x</sub> Ozone Season sources in the state (and Indian country within the borders of such state)

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exceed the state assurance level, then the owners and operators of such sources and units in each group of one or more sources and units having a common designated representative for such control period, where the common designated representative's share of such NO<sub>x</sub> emissions during such control period exceeds the common designated representative's assurance level for the state and such control period, shall hold (in the assurance account established for the owners and operators of such group) TR NO<sub>x</sub> Ozone Season allowances available for deduction for such control period under 40 CFR 97.525(a) in an amount equal to two times the product (rounded to the nearest whole number), as determined by the Administrator in accordance with 40 CFR 97.525(b), of multiplying—

- (a) The quotient of the amount by which the common designated representative's share of such NO<sub>x</sub> emissions exceeds the common designated representative's assurance level divided by the sum of the amounts, determined for all common designated representatives for such sources and units in the state (and Indian country within the borders of such state) for such control period, by which each common designated representative's share of such NO<sub>x</sub> emissions exceeds the respective common designated representative's assurance level; and
  - (b) The amount by which total NO<sub>x</sub> emissions from all TR NO<sub>x</sub> Ozone Season units at TR NO<sub>x</sub> Ozone Season sources in the state (and Indian country within the borders of such state) for such control period exceed the state assurance level.
- (2) The owners and operators shall hold the TR NO<sub>x</sub> Ozone Season allowances required under paragraph (1) above, as of midnight of November 1 (if it is a business day), or midnight of the first business day thereafter (if November 1 is not a business day), immediately after such control period.
  - (3) Total NO<sub>x</sub> emissions from all TR NO<sub>x</sub> Ozone Season units at TR NO<sub>x</sub> Ozone Season sources in the state (and Indian country within the borders of such state) during a control period in a given year exceed the state assurance level if such total NO<sub>x</sub> emissions exceed the sum, for such control period, of the State NO<sub>x</sub> Ozone Season trading budget under 40 CFR 97.510(a) and the state's variability limit under 40 CFR 97.510(b).
  - (4) It shall not be a violation of 40 CFR part 97, subpart BBBB or of the Clean Air Act if total NO<sub>x</sub> emissions from all TR NO<sub>x</sub> Ozone Season units at TR NO<sub>x</sub> Ozone Season sources in the state (and Indian country within the borders of such State) during a control period exceed the state assurance level or if a common designated representative's share of total NO<sub>x</sub> emissions from the TR NO<sub>x</sub> Ozone Season units at TR NO<sub>x</sub> Ozone Season sources in the state (and Indian country within the borders of such state) during a control period exceeds the common designated representative's assurance level.
  - (5) To the extent the owners and operators fail to hold TR NO<sub>x</sub> Ozone Season allowances for a control period in a given year in accordance with paragraphs (1) through (3) above,
    - (a) The owners and operators shall pay any fine, penalty, or assessment or comply with any other remedy imposed under the Clean Air Act; and
    - (b) Each TR NO<sub>x</sub> Ozone Season allowance that the owners and operators fail to hold for such control period in accordance with paragraphs (1) through (3) above and each day of such control period shall constitute a separate violation of 40 CFR part 97, subpart BBBB and the Clean Air Act.
- c. *Compliance Periods.*
- (1) A TR NO<sub>x</sub> Ozone Season unit shall be subject to the requirements under paragraph (a) above for the control period starting on the later of May 1, 2015 or the deadline for meeting the unit's monitor certification requirements under 40 CFR 97.530(b) and for each control period thereafter.
  - (2) A TR NO<sub>x</sub> Ozone Season unit shall be subject to the requirements under paragraph (b) above for the control period starting on the later of May 1, 2017 or the deadline for meeting the unit's monitor certification requirements under 40 CFR 97.530(b) and for each control period thereafter.
- d. *Vintage of Allowances Held for Compliance.*
- (1) A TR NO<sub>x</sub> Ozone Season allowance held for compliance with the requirements under paragraph (a)(1) above for a control period in a given year must be a TR NO<sub>x</sub> Ozone Season allowance that was allocated for such control period or a control period in a prior year.

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- (2) A TR NO<sub>x</sub> Ozone Season allowance held for compliance with the requirements under paragraphs a.(2)(a) and b.(1) through (3) above for a control period in a given year must be a TR NO<sub>x</sub> Ozone Season allowance that was allocated for a control period in a prior year or the control period in the given year or in the immediately following year.
  - e. *Allowance Management System Requirements.* Each TR NO<sub>x</sub> Ozone Season allowance shall be held in, deducted from, or transferred into, out of, or between Allowance Management System accounts in accordance with 40 CFR part 97, subpart BBBBB.
  - f. *Limited Authorization.* A TR NO<sub>x</sub> Ozone Season allowance is a limited authorization to emit one ton of NO<sub>x</sub> during the control period in one year. Such authorization is limited in its use and duration as follows:
    - (1) Such authorization shall only be used in accordance with the TR NO<sub>x</sub> Ozone Season Trading Program; and
    - (2) Notwithstanding any other provision of 40 CFR part 97, subpart BBBBB, the Administrator has the authority to terminate or limit the use and duration of such authorization to the extent the Administrator determines is necessary or appropriate to implement any provision of the Clean Air Act.
  - g. *Property Right.* A TR NO<sub>x</sub> Ozone Season allowance does not constitute a property right.
- 9. Title V Permit Revision Requirements.**
- a. No Title V permit revision shall be required for any allocation, holding, deduction, or transfer of TR NO<sub>x</sub> Ozone Season allowances in accordance with 40 CFR part 97, subpart BBBBB.
  - b. This permit incorporates the TR emissions monitoring, recordkeeping and reporting requirements pursuant to 40 CFR 97.530 through 97.535, and the requirements for a continuous emission monitoring system (pursuant to 40 CFR part 75, subparts B and H), an excepted monitoring system (pursuant to 40 CFR part 75, appendices D and E), a low mass emissions excepted monitoring methodology (pursuant to 40 CFR 75.19), and an alternative monitoring system (pursuant to 40 CFR part 75, subpart E). Therefore, the Description of TR Monitoring Provisions table for units identified in this permit may be added to, or changed, in this title V permit using minor permit modification procedures in accordance with 40 CFR 97.506(d)(2) and 70.7(e)(2)(i)(B) or 71.7(e)(1)(i)(B).
- 10. Additional Recordkeeping and Reporting Requirements.**
- a. Unless otherwise provided, the owners and operators of each TR NO<sub>x</sub> Ozone Season source and each TR NO<sub>x</sub> Ozone Season unit at the source shall keep on site at the source each of the following documents (in hardcopy or electronic format) for a period of 5 years from the date the document is created. This period may be extended for cause, at any time before the end of 5 years, in writing by the Administrator.
    - (1) The certificate of representation under 40 CFR 97.516 for the designated representative for the source and each TR NO<sub>x</sub> Ozone Season unit at the source and all documents that demonstrate the truth of the statements in the certificate of representation; provided that the certificate and documents shall be retained on site at the source beyond such 5-year period until such certificate of representation and documents are superseded because of the submission of a new certificate of representation under 40 CFR 97.516 changing the designated representative.
    - (2) All emissions monitoring information, in accordance with 40 CFR part 97, subpart BBBBB.
    - (3) Copies of all reports, compliance certifications, and other submissions and all records made or required under, or to demonstrate compliance with the requirements of, the TR NO<sub>x</sub> Ozone Season Trading Program.
  - b. The designated representative of a TR NO<sub>x</sub> Ozone Season source and each TR NO<sub>x</sub> Ozone Season unit at the source shall make all submissions required under the TR NO<sub>x</sub> Ozone Season Trading Program, except as provided in 40 CFR 97.518. This requirement does not change, create an exemption from, or otherwise affect the responsible official submission requirements under a title V operating permit program in 40 CFR parts 70 and 71.
- 11. Liability.**

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- a. Any provision of the TR NO<sub>x</sub> Ozone Season Trading Program that applies to a TR NO<sub>x</sub> Ozone Season source or the designated representative of a TR NO<sub>x</sub> Ozone Season source shall also apply to the owners and operators of such source and of the TR NO<sub>x</sub> Ozone Season units at the source.
  - b. Any provision of the TR NO<sub>x</sub> Ozone Season Trading Program that applies to a TR NO<sub>x</sub> Ozone Season unit or the designated representative of a TR NO<sub>x</sub> Ozone Season unit shall also apply to the owners and operators of such unit.
- 12.** Effect on Other Authorities. No provision of the TR NO<sub>x</sub> Ozone Season Trading Program or exemption under 40 CFR 97.505 shall be construed as exempting or excluding the owners and operators, and the designated representative, of a TR NO<sub>x</sub> Ozone Season source or TR NO<sub>x</sub> Ozone Season unit from compliance with any other provision of the applicable, approved state implementation plan, a federally enforceable permit, or the Clean Air Act.
- 13.** Effect on Units in Indian Country. Notwithstanding the provisions of Conditions **6.** through **12.** above, Conditions **6.** through **12.** shall be deemed not to impose any requirements on any source or unit, or any owner, operator, or designated representative with regard to any source or unit, in Indian country within the borders of the state.

[Link to 40 CFR 97](#)