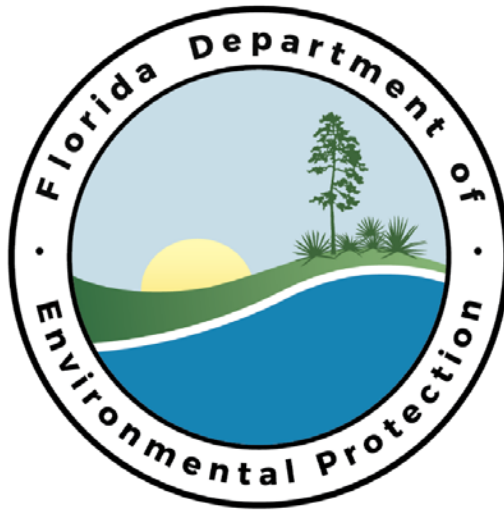


**STATE OF FLORIDA
DEPARTMENT
OF
ENVIRONMENTAL PROTECTION**



Conditions of Certification

CEMEX Construction Materials Florida, LLC's
Brooksville South Cement Plant
and
Brooksville PP Assets Holding Company, LLC's
Steam Electric Generating Plant

PA82-17S

January 3, 2019

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Attachment B	Surface Water Management System Plan(s)
Attachment C	Mitigation Plan(s)
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SECTION A: GENERAL CONDITIONS

SECTION A: GENERAL CONDITIONS

I. SCOPE

A. Pursuant to the Florida Electrical Power Plant Siting Act (PPSA), Sections 403.501-518, Florida Statutes (F.S.) and Chapter 62-17, Florida Administrative Code (F.A.C), this certification is issued to CEMEX Construction Materials Florida, LLC (CEMEX) and Brooksville PP Assets Holding Company, LLC (BPP) as owners/operators and Licensees of CEMEXs' Brooksville South Cement Plant and BPPs' Steam Electric Generating Plant, respectively. Subject to the requirements contained in these Conditions of Certification (Conditions), CEMEX and BPP will jointly operate the facilities described herein. BPP will operate a nominal 70-80 megawatt (MW) electrical generating facility consisting of a biomass-fueled electrical generating unit, and associated facilities as described in the site certification application (SCA). The electric generating unit is located on a 125-acre site at 10311 Cement Plant Road in Brooksville, Hernando County, Florida. The UTM coordinates are: Zone 17N, 360.0 km East and 3162.5 km North. The Department does not intend, solely by the incorporation of these General Conditions, to require the retrofitting of existing Certified Facilities.

B. The BPP portion of the Certified Facilities includes, but is not limited to, the following major facilities:

- The biomass electrical power generating unit which consists of boiler and steam generator;
- Biomass fuel delivery, unloading, handling, and storage facilities;
- Pond water intake structure, pumps, screens, and pipes (for circulating cooling water – WMD ID/Licensee ID Nos 12/SW Intake-1);
- Four-mile electrical transmission line extending from the Site;
- Transmission infrastructure, including an on-site substation; and
- Electrical switchyard

C. BPP and CEMEX will jointly share responsibility for the following portions of the certified facilities:

- Recirculation ponds;
- Domestic wastewater treatment plant;
- Potable Water Supply System;
- Water supply wells (WMD ID/Licensee ID Nos 9/17 and 10/18);
- 1,000,000-gallon water storage tank;
- Water discharge structures and pipes into pond;
- 150,000 Oil Storage Tank (CEMEX has ability to use during specific operating activities);
- Administration building (in which the BPP control room is located);
- Access roadways; going to and from biomass power plant and Common Certified Facilities only;
- Truck washes; for trucks going to and from the biomass power plant and common certified facilities as applicable;
- Surface water management systems;

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- GW Monitoring Wells (MW-CPL-1, 2R, 3, 4R, 5, 6, 8R – 7 is abandoned); and
- Alternate Reclaim Water Source (District ID/Licensee Nos 11/EL1)

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

E. 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 facilities and on-site support facilities are located to be the boundaries of the site.

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

G. 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).

H. 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

SECTION A: GENERAL CONDITIONS

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

II. APPLICABLE DEPARTMENT RULES

The construction, operation and maintenance of the Certified Facilities 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:

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)
- 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)
- 62-302 (Surface Water Quality Standards)
- 62-304 (Total Maximum Daily Loads)
- 62-330 (Environmental Resource Permitting)
- 62-340 (Delineation of the Landward Extent of Wetlands and Surface Waters)
- 62-342 (Mitigation Banks)
- 62-345 (Uniform Mitigation Assessment Method)
- 62-520 (Groundwater Classes, Standards and Exemptions)
- 62-522 (Groundwater Permitting and Monitoring Requirements)
- 62-528 (Underground Injection Wells – if applicable)

SECTION A: GENERAL CONDITIONS

62-531 (Water Well Contractor Licensing Requirements)
62-532 (Water Well Permitting and Construction Requirements)
62-550 (Drinking Water Standards, Monitoring and Reporting)
62-555 (Permitting, Construction, Operation, and Maintenance of Public Water Systems)
62-560 (Requirements for Public Water Systems That Are Out of Compliance)
62-600 (Domestic Wastewater Facilities)
62-601 (Domestic Wastewater Treatment Plant Monitoring)
62-604 (Collection Systems and Transmission Facilities)
62-610 (Reuse of Reclaimed Water and Land Application)
62-620 (Wastewater Facilities and Activities Permitting)
62-621 (Generic Permits)
62-650 (Water Quality Based Effluent Limitations)
62-660 (Industrial Wastewater Facilities)
62-699 (Classification and Staffing of Water or Domestic Wastewater Treatment Plants and Water Distribution Systems)
62-701 (Solid Waste Management Facilities)
62-710 (Used Oil Management)
62-730 (Hazardous Waste)
62-737 (Management of Spent Mercury-Containing Lamps and Devices Destined For Recycling)
62-740 (Petroleum Contact Water)
62-761 (Underground Storage Tank Systems)
62-762 (Aboveground Storage Tank Systems)
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)

III. REVISIONS TO DEPARTMENT STATUTES AND RULES

A. The Licensee shall comply with rules adopted by the Department subsequent to the issuance of the certification under the PPSA which prescribe new or stricter criteria, to the extent that the rules are applicable to biomass 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.)

IV. DEFINITIONS

The meaning of terms used herein shall be governed by the applicable definitions contained in Chapters 253, 373, 379 and 403, F.S., and any regulation adopted pursuant thereto.

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In the event of any dispute over the meaning of a term used in these Conditions which is not defined in such statutes or regulations, such dispute shall be resolved by reference to the most relevant definitions contained in any other state or federal statute or regulation or, in the alternative by the use of the commonly accepted meaning. As used herein, the following shall apply:

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

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

C. “Certified 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 facilities are 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” or “Certified Facilities” means the certified biomass 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. “DEO” means the Florida Department of Economic Opportunity.

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

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

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

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

J. “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.

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

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

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

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

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

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

U. “SWD” shall mean the Southwest DEP district office.

V. “SWFWMD” means the Southwest Florida Water Management District.

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

X. “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 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 0530380: <http://webapps.dep.state.fl.us/DepNexus/public/search-portal..>

(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 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. Prior to commencing construction activities on the site that:

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- contribute to stormwater discharges to surface waters of the State or into a municipal separate storm sewer system (MS4); and
- disturb one or more acres of land (less than one acre if the activity is part of a larger common plan of development);

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.)

2. 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. For industrial activities at the site that result in a discharge of stormwater to surface waters of the State or into a municipal separate storm sewer system, and fall under any one of the 11 categories of industrial activities identified in 40 CFR § 122.26(b)(14), a Multi-Sector Generic Permit for Stormwater Discharge Associated with Industrial Activity shall be obtained as applicable.

(Section 403.0885, F.S.; Rule 62-621.300, F.A.C.)

3. NPDES Generic Permits for Discharge of Ground Water from Dewatering Operations 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 Ground Water from Dewatering Operations. 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.

(Section 403.0885, F.S.; Rule 62-621.300, F.A.C.)

VI. DESIGN AND PERFORMANCE CRITERIA

Certification, including these Conditions, is predicated upon preliminary designs, concepts, and performance criteria described in the SCA or in testimony and exhibits in support of certification. Final engineering design will be consistent and in substantial compliance with the preliminary information described in the SCA or as explained at the certification hearing (if any). Conformance to those criteria, unless specifically modified in accordance with Section 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 Facilities.

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

SECTION A: GENERAL CONDITIONS

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 appropriate DEP District and/or Branch Office with the following information:

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

All notifications which are made in writing shall additionally be immediately provided to the Siting Coordination Office (SCO) via email to 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 Facilities 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.)

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 252.34(4), (7), (8) or (10), 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, switchyard, or control center (such as office buildings, warehouses, garages, machine shops, and recreational buildings) be in compliance with applicable building construction codes. Fees and compliance with construction codes associated with installations used by the electrical utility that are an integral part of a generating plant, substation, switchyard, or control center are outside the scope of this certification.

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

B. Open Burning

Prior to open burning in connection with land clearing, the Licensee shall seek authorization from the Florida Forest Service in accordance with the requirements of Chapters 62-256 and 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 Facilities Damage Prevention and Safety Act, Chapter 556, F.S. The Licensee shall provide the affected local government and the SCO with copies of valid tickets obtained from Sunshine State One Call of Florida upon request. Tickets shall be available for request until the underground work is completed for the affected area.

(Chapter 556, F.S.)

E. Electric and Magnetic Fields (EMF)

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

(Chapter 62-814, F.A.C.)

F. Existing Wells

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

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(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.)

H. Sanitary Wastes

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

(Original Certification, 03/12/84)

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.

(paragraph 62-4.160(7)(a) and subsection 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 may act as a facilitator in an attempt to resolve the issue. If the dispute is not resolved in this initial informal meeting, Licensee may request a second informal meeting in which both Licensee and the agency with substantive regulatory jurisdiction over the matter at issue can participate in an attempt to resolve the issue. If, after such meetings, a mutual agreement cannot be reached between the parties, then the matter shall be referred to the Division of Administrative Hearings (DOAH) for disposition in accordance with the provisions of Chapter 120, F.S. The Licensee or the Department may request DOAH to establish an expedited schedule for the processing of such a dispute. Any filing with DOAH shall state with particularity the specific project and geographic location to which the dispute

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

B. Modifications

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

C. Post-Certification Submittals

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

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

(Sections 403.121, 403.131, 403.141, 403.151, 403.161, and 403.514, F.S.; 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 Section 403.512, F.S. This

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

(Section 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 license does not convey any vested rights or any exclusive privileges. Neither does it authorize any injury to public or private property or any invasion of personal rights, nor any infringement of federal, state, or local laws or regulations. This license is not a waiver of or approval of any other Department license/permit that may be required for other aspects of the Certified Facilities which are not addressed in this license. This license does not relieve the Licensee from liability for harm or injury to human health or welfare, animal, or plant life, or public or private property caused by the construction or operation of the Certified 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, and 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 Facilities are located on sovereign submerged lands, state-owned uplands, or within an aquatic preserve, then the Licensee must comply with the applicable portions of Chapters 18-2, 18-20, and 18-21, F.A.C., and Chapters 253 and 258, F.S., except as specifically provided in the final order of certification or these conditions. If any portion of the Certified Facilities 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 Facilities are located on state-owned

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uplands, the Licensee must submit an Upland Easement Application to the Department prior to construction.

C. If a portion of the Certified Facilities are located on sovereign submerged lands or state-owned uplands owned by the Board of Trustees of the Internal Improvement Trust Fund, pursuant to Article X, Section 11 of the Florida Constitution, then the proposed activity on such lands requires a proprietary authorization. Under such circumstances, the proposed activity is not exempt from the need to obtain a proprietary authorization. Unless otherwise provided in the final order of certification or these conditions, the Department has the responsibility to review and take action on requests for proprietary authorization in accordance with 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 Facilities 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 Section 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.

(Section 403.511(5)(c), F.S.)

XIX. AGENCY ADDRESSES FOR POST-CERTIFICATION SUBMITTALS AND NOTICES

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

Florida Department of Environmental Protection
Siting Coordination Office, MS 5500

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2600 Blair Stone Rd.
Tallahassee, FL 32399-3000

Florida Department of Environmental Protection
Southwest District Office
13051 N. Telecom Parkway
Temple Terrace, FL 33637-0926

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

Tampa Bay Regional Planning Council
Office of the Executive Director
4000 Gateway Centre Blvd.
Suite 100
Pinellas Park, FL 33782

Karen E. West, General Counsel
Southwest FL Water Management District
2379 Broad Street
Brooksville, Florida 34604-6899

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

Garth Collier, Esquire
County Attorney

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Hernando County Attorney's Office
20 N. Main Street, Suite 462
Brooksville, FL 34601-2850

(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 SWD District Office 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. Each submittal shall clearly identify the Certified Facility name, PA#, and the condition number/s (i.e. Section X, Condition XX.y.(z)) requiring the submittal. As required by Section 403.5113(2), F.S., each post-certification submittal will be reviewed by each agency with regulatory authority over the matters addressed in the submittal on an expedited and priority basis.

(Section 403.5113, F.S., 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 Facilities 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.)

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

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DEP to conduct an interagency meeting or failure of any agency to attend an interagency meeting shall not be grounds for DEP to withhold a determination of compliance with these Conditions nor to delay the timeframes for review established by these Conditions. At DEP's request, a field inspection shall be conducted with the Licensee and the agency representative in conjunction with the interagency meeting.

E. Determination of Compliance

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

F. Commencement of Construction

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

G. Revisions to Design Previously Reviewed for Compliance

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

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

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 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

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(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 Section 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 opportunity for hearing, any conditions pertaining to consumptive use of water, monitoring of air or water, sampling, groundwater, mixing zones, zones of discharge, leachate control programs, effluent or emission limitations and transmission line construction.

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.

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 certified 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.

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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 facilities 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 facilities 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. WATER QUALITY CERTIFICATION

Pursuant to the Operating Agreement between the Department, Water Management Districts and U.S. Army Corps of Engineers, a written final order granting 'certification' constitutes the granting of water quality certification under Section 401 of the Clean Water Act, 33 U.S.C. 1341.

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

XXVI. 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 Facilities 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 Facilities in accordance with the conditions of certification and which are proper applicants as defined by the PPSA. Upon determination that such a successor entity complies with the requirements for transfer of certification, the Department will initiate a modification to the Conditions to reflect the change in ownership in accordance with Rule 62-17.211, F.A.C.

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

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XXVII. LABORATORIES AND QUALITY ASSURANCE

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

XXVIII. ENVIRONMENTAL RESOURCES

A. General

1. Submittals for Construction Activities

Prior to the commencement of construction of new facilities and/or associated facilities the Licensee shall provide to the DEP SWD District'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 COC.

This form may: a) be submitted concurrently with a SCA; b) be submitted as part of an amendment request or a petition for modification; or c) be submitted as a post-certification submittal following approval of a project through certification, modification or amendment. Such 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 Chapters 62-330, F.A.C., as applicable unless otherwise stated in these Conditions. While the information is provided for review via submittal of the Environmental Resources Permit form, pursuant to section 403.511, Florida Statutes, issuance of a separate Environmental Resources Permit is not required for certified facilities.

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

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and surface water delineations within the boundaries of a certified site or a portion thereof may be used and reproduced for this delineation submittal and verification.

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

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

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

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

[Sections 373.421 and 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 DEP SWD Office.

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

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

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additional best management practices as necessary, in accordance with the guidelines and specifications in *the State of Florida Erosion and Sediment Control Designer and Reviewer Manual*. The Licensee shall correct any erosion or shoaling that causes adverse impacts to the water resources as soon as feasible. Once project construction is complete in an area, including the re-stabilization of all side slopes, embankments and other disturbed areas, and before conversion to the operation and maintenance phase, all silt screens and fences, temporary baffles, and other materials that are no longer required for erosion and sediment control shall be removed.

4. The Licensee shall complete construction of all aspects of the SWMS described in the ERP Application Form, submitted as part of a post-certification submittal, amendment, modification, or certification application including water quality treatment features, and discharge control facilities prior to use of the portion of the Certified Facilities 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 Facilities 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 Facilities 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 DEP SWD District’s ERP Section, 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 DEP SWD District’s 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. Additional authorizations may be required by other agencies for certain dewatering activities.

[Section 373.414, F.S.; Chapters 62-25, 62-302, 62-330, and Rule 62-4.242, F.A.C.]

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C. Wetland and Other Surface Water Impacts

1. All Certified Facilities shall be constructed in a manner which will eliminate or reduce adverse impacts to on-site and/or adjacent wetlands or other surface waters to the extent practicable or otherwise comply with substantive criteria for elimination or reduction. When impacts to wetlands will occur as a result of a future amendment, modification, or certification, and cannot be practicably eliminated or reduced, the Licensee may propose and the Department or Board shall consider mitigation to offset otherwise unpermissible 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, and 403.814(6), F.S.; Chapters 62-312, 62-330, 62-340, 62-342, and 62-345, F.A.C.]

XXIX. 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.

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

XXX. FACILITIES OPERATION

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

XXXI. RECORDS MAINTAINED AT THE FACILITIES

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

B. The Licensee shall hold at the site, or other location designated by these Conditions, records of all monitoring information, including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation required by these Conditions, copies of all reports required by these Conditions, and records of all data used to complete the SCA for this approval. These materials shall be retained at least 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:

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

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

XXXII. WATER DISCHARGES

A. Discharges

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

2. Except as otherwise authorized by a permit issued by the Department under a federally approved or deleted 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 approved or deleted 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.

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

B. Wastewater Incident Reporting

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

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

SECTION A: GENERAL CONDITIONS

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

A written submission shall also be provided within five days of the time the Licensee becomes aware of the circumstances. The written submission shall contain a description of the noncompliance and its cause; the period of noncompliance including exact dates and time, and if the noncompliance has not been corrected, the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent recurrence of the noncompliance.

2. For unauthorized releases or spills of treated or untreated wastewater reported that are in excess of 1,000 gallons per incident, or where information indicates that public health or the environment will be endangered, oral reports shall be provided to the Department by calling the STATE WARNING POINT NUMBER (800) 320-0519, as soon as practical, but no later than 24 hours from the time the Licensee becomes aware of the discharge. The Licensee, to the extent known, shall provide the following information to the State Warning Point:

- a. Name, address, and telephone number of person reporting;
- b. Name, address, and telephone number of Licensee or responsible person for the discharge;
- c. Date and time of the discharge and status of discharge (ongoing or ceased);
- d. Characteristics of the wastewater spilled or released (untreated or treated, industrial or domestic wastewater);
- e. Estimated amount of the discharge;
- f. Location or address of the discharge;
- g. Source and cause of the discharge;
- h. Whether the discharge was contained on-site, and cleanup actions taken to date;
- i. Description of area affected by the discharge, including name of water body affected, if any; and
- j. Other persons or agencies contacted.

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

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

XXXIII. SOLID AND HAZARDOUS WASTE

A. Solid Waste

The Licensee shall comply with all applicable non-procedural provisions of Chapter 62-701, F.A.C., for any solid waste generated within the Certified Facility during construction, operation, maintenance, and closure.

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

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

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

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

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

C. Hazardous Substance Release Notification

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

SECTION A: GENERAL CONDITIONS

exempted pursuant to Chapter 376 or 403, F.S., or rules promulgated pursuant to Chapter 376 or 403, F.S.

[62-160.110, 62-160.240, 62-160.340, 62-701.510(9)(a), 62-710, 62-730.225 62-737, 62-740, and 62-780, F.A.C.]

XXXIV. 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.

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., including a spill or overfill event of a regulated substance to soil or another pervious surface, equal to or exceeding 25 gallons, 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 Facilities, actions shall be taken immediately to contain, remove, and abate the discharge under all applicable Department rules. 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: SHARED FACILITIES SPECIFIC CONDITIONS

SECTION B: SHARED FACILITIES SPECIFIC CONDITIONS

I. DEPARTMENT OF ENVIRONMENTAL PROTECTION

A. *Groundwater Monitoring*

Groundwater shall be monitored and reports submitted to the Department's Southwest District (SWD) as specified in the groundwater monitoring requirements (GWMR) herein incorporated as Attachment D. A violation of the GWMR shall be a violation of the Conditions. The chemical analyses shall be in accord with the latest edition of Standard Methods for the Analysis of Water and Wastewater.

1. The Site's Industrial Waste groundwater monitoring requirements will be contained in the GWMR.

a. Groundwater monitoring is required around all industrial wastewater sites described in the SCA and the GWMR. The Licensee shall install and maintain a groundwater monitoring well network around each industrial wastewater site to monitor the quality of the groundwater in accordance with Chapter 62-520, F.A.C.

b. During the period of operation authorized by this Site Certification, the Licensee shall conduct groundwater monitoring at the specified monitor wells for the parameters and frequency identified in the GWMR, in accordance with the applicable non-procedural provisions of Rules 62-520 and 62-701, F.A.C., and the GWMR.

c. For any approved new solid waste disposal area, a revised GWMR shall be submitted to the Solid Waste Section of the DEP Division of Waste Management and to SCO@dep.state.fl.us for review at least 90 days prior to operation of a new or revised site or such other date as the Licensee and DEP agree.

d. For any approved new or revised industrial wastewater site, the Licensee shall submit a revised GWMP to the DEP SWD office at DEP_SWD@dep.state.fl.us and to SCO@dep.state.fl.us for review at least 90 days prior to operation of a new or revised industrial wastewater sites or such other date as the Licensee and DEP agree. The revised GWMR shall be developed in accordance with the applicable requirements of Rule 62-520.600, F.A.C.

e. Revisions to the GWMR other than those described in (f) below - Revisions Requiring Modification to the Conditions of Certification below, shall be submitted in accordance with Section A, Condition XX. Procedures for Post-Certification Submittals.

f. Revisions Requiring Modification to the Conditions of Certification

At a minimum, projects which involve the following shall be reviewed for a determination on the requirement of a modification to these Conditions and if a modification is required, it shall be processed in accordance with Section 403.516(1)(c), F.S., and Rule 62-17.211, F.A.C., as applicable:

- (1) new major sources of wastewater;

SECTION B: SHARED FACILITIES SPECIFIC CONDITIONS

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

(3) pollutants not addressed in the GWMR or these Conditions resulting from a change in the industrial wastewater facility; or

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

2. The groundwater levels shall be monitored continuously in wells as approved by Southwest Florida Water Management District. Chemical analyses shall be made on samples from all monitored wells identified in Attachment D. The location, frequency and selected chemical analyses shall be as given in Attachment D or as subsequently amended in the approved Groundwater Monitoring Plan.

B. Dam Construction, Inspection and Reporting

1. Any construction of new approved impoundments or berms, or approved revisions to existing impoundments or berms, must be designed, constructed, and operated in accordance with Chapter 62-672, F.A.C. Before any construction is initiated on impoundments or berms, the Department must review and approve all design plans and parameters relating to embankment construction and water control structures.

2. Employees of DEP shall have the right to inspect dam embankments, berms, impoundments and/or structures at any reasonable time.

3. An annual inspection report, pertaining to the condition of the impoundments and/or berms will be submitted to DEP by an engineer registered in the State of Florida, who is experienced in the field of construction and maintenance of dams.

C. Cooling Pond System

1. Discharge of any product registered under the Federal Insecticide, Fungicide, and Rodenticide Act or wastes in concentrations which, alone or in combination with other substances, or components or discharges (whether thermal or non-thermal) are carcinogenic, mutagenic, teratogenic, or toxic to human beings or are acutely toxic to indigenous species to any waste stream, which ultimately may be released to waters of the State is prohibited unless specifically authorized elsewhere in the conditions of certification. 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. Authorization shall be required prior to the use of any biocide or chemical additive used in the cooling system or any other portion of the treatment system, which may be toxic to aquatic life. The request for authorization shall include:

- Name and general composition of biocide or chemical
- Frequencies of use
- Quantities to be used
- Proposed effluent concentration

SECTION B: SHARED FACILITIES SPECIFIC CONDITIONS

- Acute and/or chronic toxicity date
- Material Safety Data Sheet
- Product Label

The Department shall review the above information to determine if a modification to the conditions of certification or any Federal Permit is required.

2. The cooling pond system may receive treated domestic wastewater effluent as reclaimed reuse wastewater from the City of Brooksville Cobb Road Wastewater Treatment Plant (WWTP) under DEP Permit Number FLA012036 at a rate of daily flow not to exceed 8.0 mgd on an annual average.

3. All truck wash/rinse wastewater is to be discharged into the cooling pond system adjacent to the Cobb Road WWTP discharge.

D. Potable Water Supply System

The potable water supply system shall be designed and operated in conformance with Chapters 62-550, 62.555 and 62-560, F.A.C. Information as required in Chapters 62-550, 62-555, and 62-560, F.A.C., shall be submitted to the Department prior to construction and operation. 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 Southwest District Office, Potable Water Section.

E. Domestic Wastewater Treatment and Disposal

1. The Licensee shall operate a domestic wastewater treatment plant (WWTP) as specified in the domestic wastewater treatment plan (DWWTP) herein incorporated as Attachment E. A violation of the DWWTP shall be a violation of the Conditions. The domestic wastewater treatment plant consists of:

- one (1) aeration basin of 6,000 gallons volume,
- one (1) clarifier of 1,217 gallons volume and 36 square feet of total surface area,
- one (1) chlorine contact chamber of 125 gallons volume, and,
- one (1) digester of 450 gallons volume.

Disinfection is achieved by using sodium hypochlorite solution. The WWTP is operated to provide secondary treatment with basic disinfection.

2. Any new WWTP or revisions to existing WWTP shall be approved through a site certification, modification or amendment.

[Chapters 62-160, 62-302, 62-520, 62-550, 62.555, 62-560, 62-600, 62-602, 62-672, 62-699, F.A.C.; Original Certification, 3/12/84]

F. Environmental Control Program and Best Management Practices

The BMP Plan prevents or minimizes the potential for the release of pollutants to waters of the state from ancillary activities, including material storage areas, plant site runoff,

SECTION B: SHARED FACILITIES SPECIFIC CONDITIONS

in-plant transfer, process and material handling areas, and loading and unloading operations through plant site runoff, spillage or leaks, or drainage from raw material storage.

G. Flood Proofing

The power generation equipment and other facilities vital to the operation of the plant shall be constructed in such a manner that water elevations at the 100-year flood will not cause damage to the equipment or necessitate plant shutdown.

II. SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT

A. All reports and data required by these conditions of Certification shall be submitted to SWFWMD (and copied to the DEP Siting Office) according to the due date(s) contained in the specific condition, unless SWFWMD and the Licensee agree to another mutually acceptable date. If the condition specifies that a SWFWMD-supplied form is to be used, the Licensee should use that form in order for their submission to be acknowledged in a timely manner. The only alternative to this requirement is to use the SWFWMD Permit Information Center (www.swfwmd.state.fl.us/permits/epermitting/) to submit data, plans or reports online. There are instructions at the SWFWMD website on how to register to set up an account to do so. If the report or data is received on or before the tenth day of the month following data collection, it shall be deemed as a timely submittal.

All mailed reports and data are to be sent to:

Water Use Permit Bureau
Southwest Florida Water Management District
7601 Highway 301 North
Tampa, FL 33637-6759

Submission of plans and reports: Unless submitted online or otherwise indicated in the special condition, the original and two copies of each plan and report, such as conservation plans, environmental analyses, aquifer test results, per capita annual reports, etc. are required.

[Sections 373.016, 373.219, 373.236, F.A.C.; Rules 40D-2.301(1) and 40D-2.381(1), (2) and (4), F.A.C.; Basis of Review (B.O.R.), Section 6.2]

B. The average day and peak monthly quantities for all active and standby wells shown in the Production Withdrawal Table (Table 1) are estimates based on historic and/or projected distribution of pumpage, and are for water use inventory and impact analysis purposes only. The quantities listed for these individual sources are not intended to dictate the distribution of pumpage from permitted sources. The Licensee may make adjustments in pumpage distribution as necessary up to 1.35 times the quantity on an average and peak monthly basis as long as adverse environmental impacts do not result and the Licensee complies with all other conditions of this Site Certification. In all cases, the total average annual daily withdrawal and the total peak monthly daily withdrawal are limited to the quantities set forth in the table.

[Sections 373.016, 373.219, 373.223(1), F.A.C.; Rule 40D-2.301, F.A.C.; B.O.R., Sections 3.2, 3.4, 4.1]

C. The Licensee shall prepare a water conservation plan update for review once every five years with the first plan due on January 2, 2022. Conservation measures that the Licensee has already implemented shall continue, and proposed conservation measures shall be implemented as proposed in the plan. The Licensee should consider the Conservation

SECTION B: SHARED FACILITIES SPECIFIC CONDITIONS

Requirements for Industrial/Commercial facilities that are 100,000 gallons per day (gpd) or greater in the water conservation plan.

[Sections 373.016, 373.219, 373.223(1), F.S.; Rules 40D-2.301(1), 40D-2.381(1), 40D-3.301(2), F.A.C.; B.O.R., Section 3.4]

D. In the event that the reclaimed supply from the City of Brooksville for which there are standby quantities allocated in this Certification becomes wholly or partially unavailable, insufficient or unsuitable, the Licensee may access allocated standby quantities as follows depending upon the length of time the reclaimed supply is not available, sufficient or suitable. At no time will the Licensee utilize standby quantities to exceed the Annual Average and Peak Month authorized use.

Less than 30 days: No SWFWMD or the DEP Siting Office notification is required if the reclaimed supply is unavailable, insufficient, or unsuitable for the 30-day period or less. The Licensee may access allocated standby quantities to meet authorized use from the date of the first loss up to 30 days.

Greater than 30 days but less than one year: The Licensee shall notify SWFWMD and the DEP Siting Office in writing within 45 days of the first day the reclaimed supply became unavailable, insufficient or unsuitable. The notification shall identify the standby withdrawal sources that were or will be activated. The Licensee may access allocated standby quantities to meet authorized use.

Permanent Loss: Upon verbal or written notice from the reclaimed supply provider that delivery of all or part of the reclaimed supply is to permanently cease, the Licensee shall submit information to the SWFWMD and DEP Siting Office explaining the reason(s) for the cessation.

[Sections 373.015, 373.219, 373.223(1), F.A.C.; Rule 40D-2.301(1); B.O.R., Section 3.1]

E. The following withdrawal facilities shall continue to be maintained and operated with existing, non-resettable, totalizing flow meter(s) or other measuring device(s) as approved by SWFWMD: District ID Nos. 9 and 10, Licensee ID Nos. 17 and 18. Monthly meter reading and reporting, in accordance with instructions below, Metering Instructions, herein incorporated as Attachment F, are to be followed.

F. The Licensee shall implement a leak detection and repair program as an element of an ongoing system maintenance program. This program shall include a system-wide inspection at least once per year.

[Sections 373.016, 373.219, 373.223, FS; Rules 40D-2.091, 40D-2.301, 40D-2.381, FAC; Section 2.4.4, BOR]

G. Any wells not in use, and in which pumping equipment is not installed, shall be capped or valved in a water tight manner in accordance with Chapter 62-532.500, F.A.C.

H. The following Alternative Water Supply (AWS) inflow line(s) from the City of Brooksville shall continue to be maintained and operated with existing non-resettable totalizing flow meter(s) or other measuring devices as approved by SWFWMD: District ID No. 11,

SECTION B: SHARED FACILITIES SPECIFIC CONDITIONS

Licensee ID EL1. Monthly meter reading and reporting, as well as meter accuracy checks every five years shall be in accordance with the included Metering Instructions.

[Sections 373.016, 373.219, 373.223(1), 373.236, F.A.C.; Rules 40D-2.301(1), (3), 40D-2.381(1), (4); F.A.C.; B.O.R., Sections 5.1, 6.2]

I. Licensee shall maintain water-level and water-quality monitoring as per Attachment B, Section VII. (SWMSP). The Licensee shall prepare an Annual Summary Report due March 1 describing changes and trends in cooling pond (Pond 4) water levels, groundwater monitoring water levels, Pond 4 water-quality data, and groundwater monitoring water-quality data. The Annual Summary Report shall contain brief text describing the current conditions and include appropriate water-level and water-quality tables and graphs.

[Sections 373.016, 373.219, 373.223(1), F.A.C.; Rules 40D-2.301(1), 2.381(1), 2.381(4), F.A.C.; B.O.R., Sections 1.5, 4.2, 5.8]

J. If any of the statements in the application and in the supporting data are found to be untrue and inaccurate, or if Licensee fails to comply with all of the provisions of Chapter 373, F.S., Chapter 40D, or the conditions set forth herein, the SWFWMD shall seek revocation of any conditions of certification.

K. These conditions of certification are imposed based on information provided by Licensee demonstrating that the use of water is reasonable and beneficial, consistent with the public interest, and will not interfere with any existing legal use of water. If, during the term of this certification, it is determined by SWFWMD that the use is not reasonable and beneficial, in the public interest, or does impact an existing legal use of water, the SWFWMD shall seek modification these conditions of certification or revocation of the certification authorized by DEP.

L. Licensee shall not deviate from any of the SWFWMD-imposed conditions of this certification without written approval by the SWFWMD.

M. In the event the SWFWMD declares that a Water Shortage exists pursuant to Chapter 40D-21, Licensee agrees that portions of these conditions of certification shall be modified, or declared inactive as necessary to address the water shortage.

N. The SWFWMD shall collect water samples from any withdrawal point listed in these conditions of certification or shall require Licensee to submit water samples when the SWFWMD determines there is a potential for adverse impacts to water quality.

O. Licensee shall provide access to an authorized SWFWMD representative to enter the property at any reasonable time to inspect the facilities and make environmental or hydrologic assessments. Licensee shall either accompany SWFWMD/DEP staff onto the property or make provision for access onto the property.

P. Licensee shall cease or reduce any surface water withdrawals as directed by the SWFWMD if water levels in surface water fall below applicable minimum water level established in Chapter 40D-8 or rates of flow in streams fall below the minimum levels established in Chapter 40D-8.

Q. Licensee shall cease or reduce withdrawals if water levels in aquifers fall below the minimum levels established by the SWFWMD.

SECTION B: SHARED FACILITIES SPECIFIC CONDITIONS

R. Licensee shall practice water conservation to increase the efficiency of transport, application, and use, as well as to decrease waste and to minimize runoff from the property. At such time as the SWFWMD adopts specific conservation requirements for Licensee's water use classification, these conditions of certification shall be modified accordingly.

S. The SWFWMD may establish special regulations for Water Use Caution Areas. At such time as the Governing Board adopts such provisions, these conditions of certification shall be subject to them upon notice and after a reasonable period for compliance.

T. Licensee shall mitigate any adverse impact to existing legal uses caused by withdrawals. When adverse impacts occur or are imminent, Licensee shall be required to mitigate the impacts. Adverse impacts include:

1. A reduction in water levels which impairs the ability of the well to produce water;
2. Significant reduction in levels or flows in water bodies such as lakes, impoundments, wetlands, springs, streams or other watercourses; or
3. Significant inducement of natural or manmade contaminants into a water supply or into a usable portion of any aquifer water body.

U. Licensee shall mitigate any adverse impact to environmental features or offsite land uses as a result of withdrawals. When adverse impacts occur or are imminent, the Licensee shall be required to mitigate the impacts. Adverse impacts include:

1. Significant reduction in levels or flows in water bodies such as lakes, impoundments, wetlands, springs, streams or other watercourses;
2. Sinkholes or subsidence caused by reduction in water levels;
3. Damage to crops and other vegetation causing financial harm to the owner; and
4. Damage to the habitat of endangered or threatened species.

V. When necessary to analyze impacts to the water resource or existing users, Licensee shall be required to install flow metering or other measuring devices to record withdrawal quantities and submit the data to the SWFWMD.

W. A SWFWMD identification tag shall be prominently displayed at each withdrawal point by permanently affixing the tag to the withdrawal facilities.

X. Licensee shall notify the SWFWMD within 30 days of the sale or conveyance of permitted water withdrawal facilities or the land on which the facilities are located.

Y. The annual average daily withdrawal quantity is determined by calculating the total quantity of water to be withdrawn over a one year period, divided by 365 days, which results in a gallons per day (gpd) quantity pursuant to Basis of Review, Section 3.2, Permitted Withdrawal Quantities. This is a running 12-month average, whereby each month the annual average daily quantity is recalculated based on the previous 12-month pumpage.

[Sections 373.016, 373.219, 373.223(1), F.S.; Rules 40D-2.301(1), 40D-2.381(1), F.A.C.; B.O.R., Section 6.1]

SECTION B: SHARED FACILITIES SPECIFIC CONDITIONS

Table 1. PRODUCTION WITHDRAWAL TABLE

District ID No. / Licensee ID No.	Annual Average (gallons per day)	Peak Month (gallons per day)	Status--Comments
9/17	2,164,000--Active (412,000)--Standby	2,900,000--Active (412,000)--Standby	Active quantity Standby quantity
10/18	3,246,000--Active (618,000)--Standby	4,350,000--Active (618,000)--Standby	Active quantity Standby quantity
11/EL1	1,030,000	1,030,000	Active source--Reclaimed quantity from Brooksville
12/SW INTAKE-1	216,000,000	216,000,000	Pond 4 intake 1
14/SW INTAKE-2	216,000,000	216,000,000	Pond 4 intake 2

Total authorized groundwater quantities (District ID Nos. **9** and **10**/Licensee ID Nos.17 and 18) are 5,410,000 gallons per day Annual Average and 7,250,000 gallons per day Peak Month. Total standby groundwater quantities from District ID Nos. **9** and **10**/Licensee ID Nos.17 and 18 of 1,030,000 gallons per day Annual Average and Peak Month are authorized for use when the reclaimed quantities from Brooksville are not available.

III. FLORIDA FISH AND WILDLIFE CONSERVATION COMMISSION

A. *Listed Species Survey.*

Before land clearing and construction activities within the Certified Facilities occur, the Licensee shall conduct an assessment for listed species which will note all habitat, occurrence or evidence of listed species. Listed species to be included in this survey shall include those listed as endangered, threatened or of special concern by Florida Fish and Wildlife Conservation Commission (FWC) or those listed as endangered or threatened by U.S. Fish and Wildlife Service (USFWS). Resources that may be consulted in conducting this assessment are available through the “Florida Wildlife Conservation Guide” at:

<http://myfwc.com/CONSERVATION/FWCG.htm>.

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 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 locations, 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 a protection radius surrounding nest sites and burrows be included, rather than individual nests and burrows, and be physically marked so that clearing and construction will 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 FLUCFCS, at the third degree of detail) including a wildlife-based habitat classification scheme such as the Comprehensive Wildlife Conservation Strategy (FWC 2005), Descriptions of Vegetation and Land Cover Types (FWC 2004), or Natural Communities Guide (FNAI 1990) of

SECTION B: SHARED FACILITIES SPECIFIC CONDITIONS

each community that is contained within the Certified Facilities prior to land clearing and construction activities using GIS.

B. *Listed Species Locations*

Where any suitable habitat and evidence is found of the presence of listed species within the Certified Facilities, the Licensee will report those locations to, and confer with, the appropriate regulatory agencies for possible additional pre-clearing surveys 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 in-service date specified in the Public Service Commission's need determination. The Licensee will not construct in areas where evidence of listed species was identified during the initial survey until the particular listed species issues have been resolved.

1. *Listed Wildlife Species*: If listed wildlife species are found, their presence shall be reported to the DEP Siting Coordination Office, the appropriate DEP District Office(s), the FWC's Office of Conservation Planning Services, the appropriate WMD, the appropriate local government(s), and the USFWS.

2. *Listed Vegetation Species*: If listed vegetation species are found on public land or water, their presence shall be reported to the DEP Siting Coordination Office and the Florida Department of Agriculture and Consumer Services (DACS). Listed wildlife species and listed vegetation species on public land or water shall not be disturbed, if feasible.

3. *Species Management Plan*: If avoidance is not feasible, the Licensee shall consult with DEP, FWC, and, if necessary, the USFWS for listed wildlife species, and with the DACS for listed vegetation species on public land or water, to determine the steps appropriate for the species involved which are to be taken to avoid, minimize, mitigate, or otherwise appropriately address impacts within each agency's respective jurisdiction. For wildlife species, these steps shall be memorialized in a Wildlife Management Plan and submitted to DEP, FWC, and the appropriate local government.

[Chapter 379, F.S.]

IV. 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 Facilities. 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 Facilities, 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-

SECTION B: SHARED FACILITIES SPECIFIC CONDITIONS

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.]

V. DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES

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

[Chapter 487, F.S.]

SECTION C: POWER PLANT SPECIFIC CONDITIONS

I. DEPARTMENT OF ENVIRONMENTAL PROTECTION

A. *Solid Wastes*

Power plant ash shall be contained or stored in facilities designed to prevent infiltration and exfiltration of water. No onsite landfilling of power plant ash may occur without prior approval of the department. If beneficial reuse of the power plant ash is not available, the Licensee may arrange for offsite disposal of the power plant ash at an appropriately licensed disposal facility. The Licensee shall provide notice to the Department of offsite disposal at a landfill.

In the event that the use of stored biomass at the facility as a fuel is discontinued and/or the biomass ash generated at the facility is no longer utilized for beneficial reuse, the management, storage, and disposal of unprocessed biomass at the facility and/or biomass ash not beneficially reused shall be in accordance with the applicable requirements of Chapter 62-701, F.A.C.

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

B. *Transformer and Electric Switching Gear*

The foundations for transformers, capacitors, and switching gear necessary for connecting the certified facilities to the existing distribution system shall be constructed of an impervious material and shall be constructed in such a manner to allow complete collection and recovery of any spills or leakage of oily, toxic, or hazardous substances.

C. *Associated Linear Facilities*

1. Construction

a. The final Rights-of-Way shall be located so as to minimize impacts, such as the removal of vegetation, in or on stream beds, to the extent practicable. For transmission lines within 25 feet of the banks of any streams, rivers or lakes, vegetation shall be left undisturbed, except for selective topping of trees or removal of trees which topping would kill. For transmission lines, if it is necessary to remove such trees within 25 feet of the banks of streams, rivers or lakes, the root mat shall be left undisturbed.

b. Any necessary water quality certifications which must be made to the Corps of Engineers shall be made at the time of a finding of compliance at specific work at specific locations.

c. Construction activities should proceed as much as practicable during the dry season.

d. Good environmental practices such 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 shall be followed to the extent practicable.

e. Compliance with the most recent version of the National Electric Safety Code adopted by the Public Service commission is required.

SECTION C: POWER PLANT SPECIFIC CONDITIONS

f. Fences that run parallel to the transmission line and may become conductive shall be grounded at appropriate intervals; fences running perpendicular to the line shall be grounded at the edge of the right-of-way.

2. Maintenance

Vegetative clearing operations for maintenance purposes to be carried out within the corridor shall follow the general standards for clearing a right-of-way for overhead transmission lines. Selective clearing of vegetation is preferred over clearing and grubbing or clear cutting.

3. Final Right-of-Way Location

A map of 124,000 scale showing final location of the right-of-way shall be submitted to the Department upon completion of acquisition.

[Original Certification, 3/12/84]

II. DEPARTMENT OF TRANSPORTATION

For all locations where an associated linear facilities crosses state highways, the applicant will submit materials pursuant to the Department of Transportation's (DOT) "Utility Accommodation Guide" to DOT's district office for review and approval. All applicable regulations pertaining to roadway crossing by associated facilities shall be complied with. Crossing of county roads shall be coordinated with the County Engineer.

[Original Certification, 3/12/84]

III. HERNANDO COUNTY

A. Noise

To mitigate the effects of noise produced by the steam blowout of steam boiler tubes the licensees shall conduct public awareness campaigns prior to such activities to forewarn the public of the estimated time and duration of the noise.

[Original Certification, 3/12/84]

B. Screening

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

[Original Certification, 3/12/84]

HISTORY

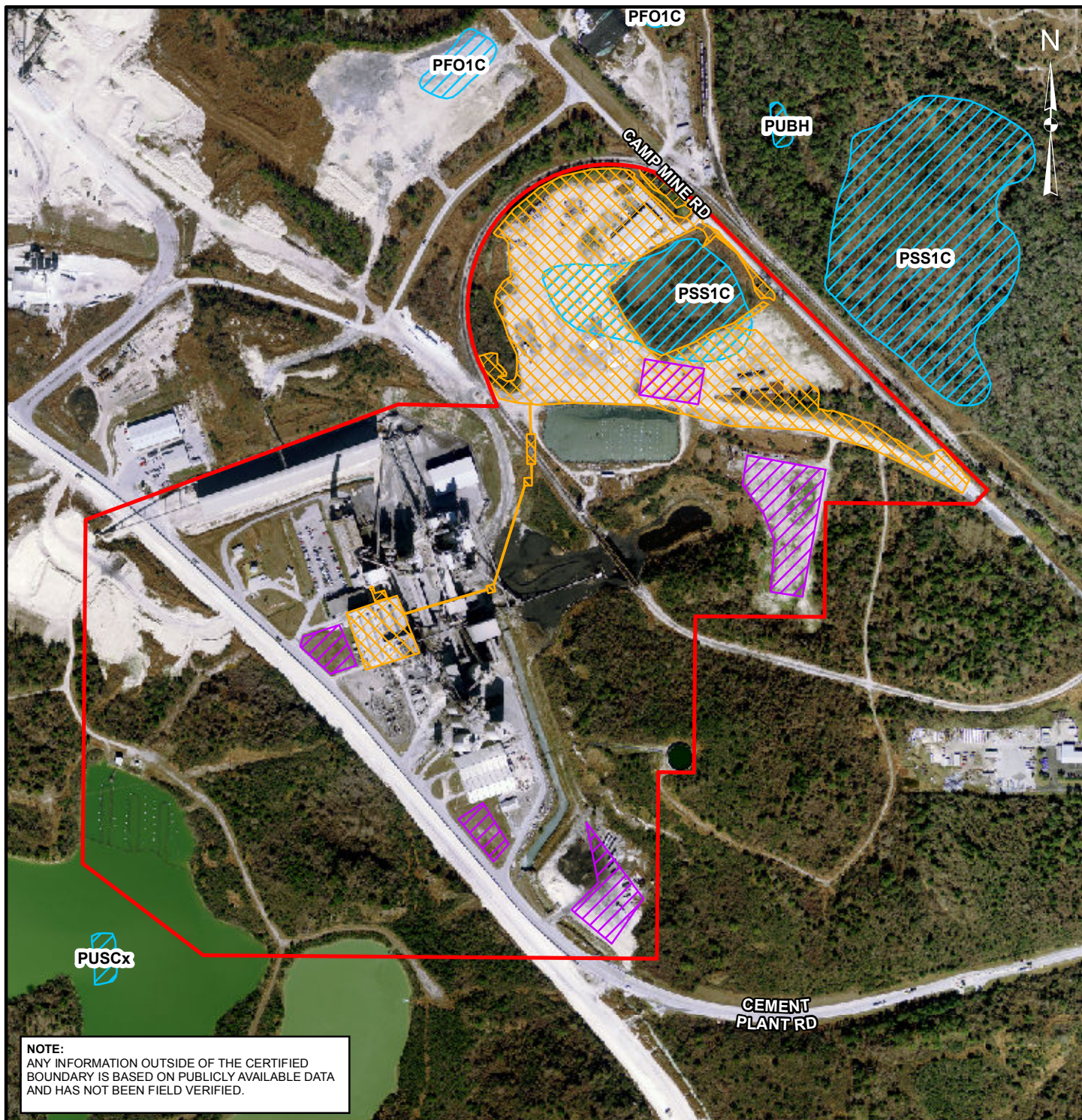
Certification issued 03/12/84; signed by Governor Graham
Modified 04/18/85; signed by Secretary Tschinkel
Modified 03/24/87; signed by Secretary Twachtman
Modified 07/17/87; signed by Secretary Twachtman
Modified 06/09/94; signed by Secretary Wetherell
Modified 08/01/95; signed by Secretary Wetherell
Modified 12/19/95; signed by Secretary Wetherell
Modified 02/06/96; signed by Secretary Wetherell
Modified 04/18/97; signed by Secretary Wetherell

SECTION C: POWER PLANT SPECIFIC CONDITIONS

Modified 11/04/02; signed by Siting Administrator Oven
Modified 07/19/05; signed by Siting Administrator Oven
Modified 09/14/05, signed by Siting Administrator Oven
Modified 03/15/06, signed by Siting Administrator Oven
Modified 03/07/07; signed by Siting Administrator Halpin
Modified 12/04/07; signed by Siting Administrator Halpin
Modified 05/29/09; signed by Siting Administrator Halpin
Modified 04/17/12; signed by Siting Administrator Mulkey
Administrative Revision 12/18/12; signed by Siting Administrator Mulkey
Modified 01/17/18; signed by Siting Administrator Mulkey
Modified 1/3/19; signed by Siting Administrator Mulkey

ATTACHMENTS

Attachment A - Maps



LEGEND

- | | |
|---|---|
| PROPOSED CERTIFIED SITE BOUNDARY | APPROXIMATE PROPOSED NEW INFRASTRUCTURE |
| APPROXIMATE PROPOSED CONSTRUCTION LAYDOWN AREAS | NATIONAL WETLANDS INVENTORY WETLAND |

PFO1C = PALUSTRINE; FORESTED; BROAD-LEAVED DECIDUOUS; SEASONALLY FLOODED
PSS1C = PALUSTRINE; SCRUB-SHRUB; BROAD-LEAVED DECIDUOUS; SEASONALLY FLOODED
PUBH = PALUSTRINE; UNCONSOLIDATED BOTTOM; PERMANENTLY FLOODED
PEM1F = PALUSTRINE; EMERGENT; PERSISTENT; SEMIPERMANENTLY FLOODED
PUSC = PALUSTRINE; UNCONSOLIDATED SHORE; SEASONALLY FLOODED; EXCAVATED

REFERENCES

1. APPROXIMATE PROPOSED NEW INFRASTRUCTURE, CONSTRUCTION LAYDOWN AREAS AND PROPOSED CERTIFIED SITE BOUNDARY: FLORIDA POWER DEVELOPMENT, 2012
2. NATIONAL WETLANDS INVENTORY: U.S. FISH AND WILDLIFE SERVICE, DIVISION OF HABITAT AND RESOURCE CONSERVATION, 2008
3. 2010 AERIAL: SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT AND WOOLPERT, INC., 2010

600 0 600 Feet

3	04/12/13	JDG	INFRASTR. AREA UPDATE	JDG	HTA	KJK
2	03/07/13	JDG	ADDED DISCLAIMER	JDG	HTA	KJK
1	10/05/12	JDG	PROPOSED CERT. SITE BNDY AND INFRASTR. AREA UPDATE	JDG	HTA	KJK
REV.	DATE	DES	REVISION DESCRIPTION	GIS	CHK	RVW

PROJECT

FPD BIOMASS CONVERSION PROJECT

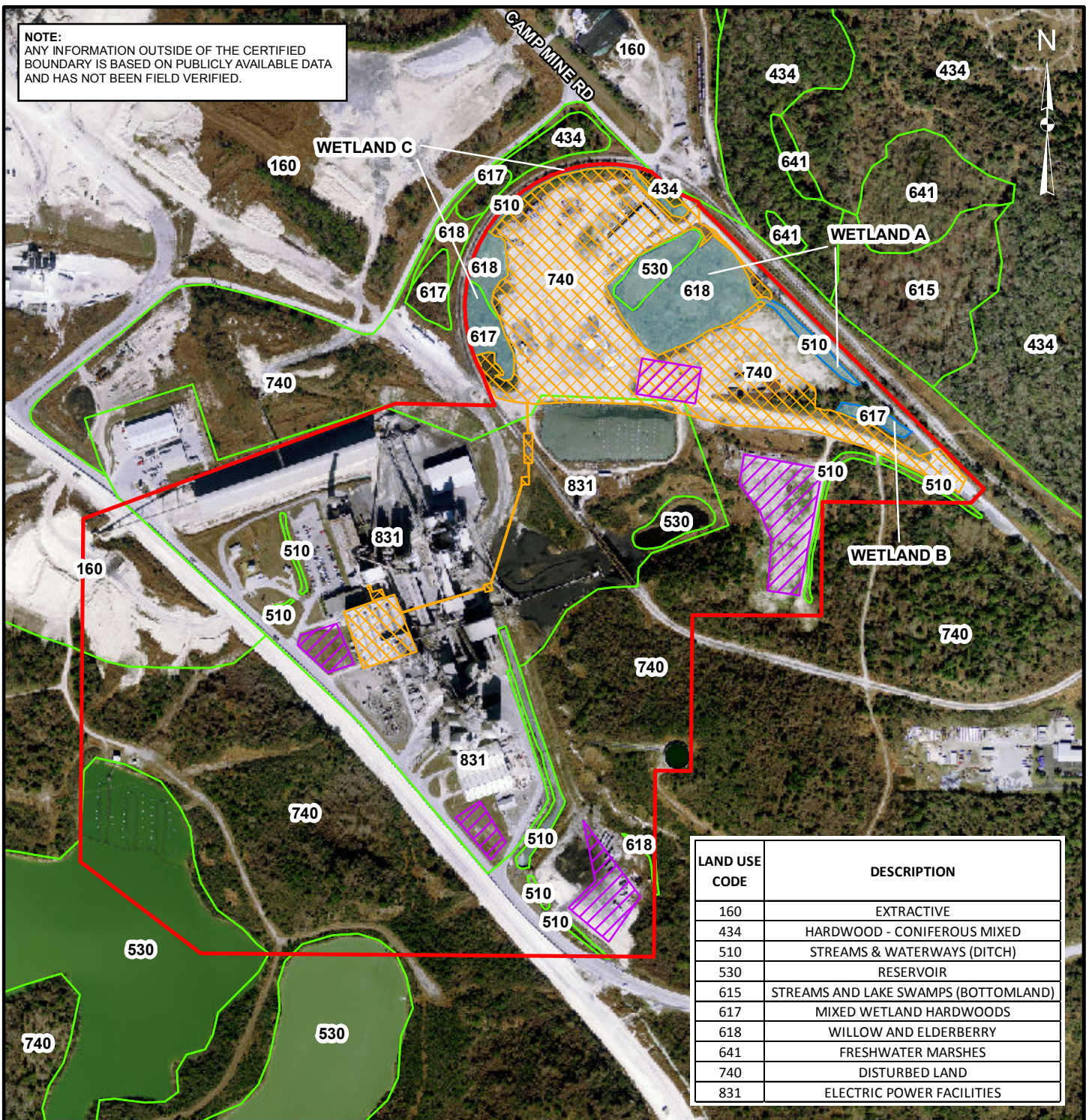
TITLE

NATIONAL WETLANDS INVENTORY



PROJECT No. 113-89534			FILE No. 113-89534A007		
DESIGN	JDG	06/13/2011	SCALE: AS SHOWN	REV.	1
GIS	JDG	06/07/2012	FIGURE 2.3.5-2		
CHECK	HTA	06/07/2012			
REVIEW	SHO	06/07/2012			

NOTE:
ANY INFORMATION OUTSIDE OF THE CERTIFIED
BOUNDARY IS BASED ON PUBLICLY AVAILABLE DATA
AND HAS NOT BEEN FIELD VERIFIED.



LAND USE CODE	DESCRIPTION
160	EXTRACTIVE
434	HARDWOOD - CONIFEROUS MIXED
510	STREAMS & WATERWAYS (DITCH)
530	RESERVOIR
615	STREAMS AND LAKE SWAMPS (BOTTOMLAND)
617	MIXED WETLAND HARDWOODS
618	WILLOW AND ELDERBERRY
641	FRESHWATER MARSHES
740	DISTURBED LAND
831	ELECTRIC POWER FACILITIES

LEGEND

- PROPOSED CERTIFIED SITE BOUNDARY
- APPROXIMATE PROPOSED CONSTRUCTION LAYDOWN AREAS
- APPROXIMATE PROPOSED NEW INFRASTRUCTURE
- SURVEYED WETLAND/SURFACE WATER BOUNDARY
- LAND USE/LAND COVER BOUNDARY

REFERENCES

1. APPROXIMATE PROPOSED NEW INFRASTRUCTURE, CONSTRUCTION LAYDOWN AREAS AND PROPOSED CERTIFIED SITE BOUNDARY: FLORIDA POWER DEVELOPMENT, 2012
2. LAND USE/LAND COVER: SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT, 2009 AND GOLDER EDITS, 2011
3. SURVEYED WETLAND/SURFACE WATER BOUNDARIES: U.S. SURVEYOR AND GOLDER ASSOCIATES INC., 2011
4. 2010 AERIAL: SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT AND WOOLPERT, INC., 2010



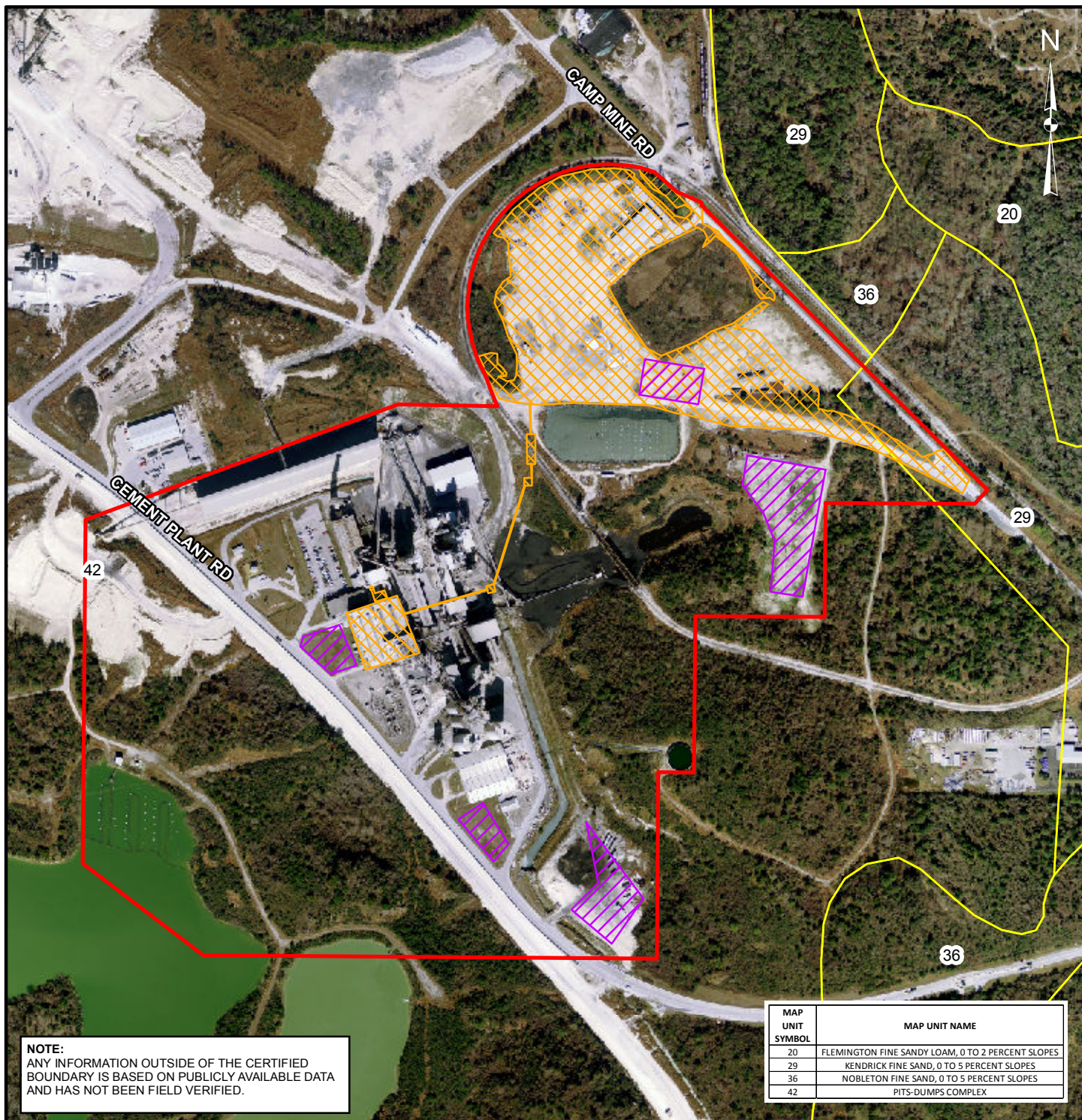
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2	03/07/13	JDG	ADDED DISCLAIMER	JDG	HTA	KJK
1	10/05/12	JDG	PROPOSED CERT. SITE BNDY AND INFRASTR. AREA UPDATE	JDG	HTA	KJK
REV.	DATE	DES	REVISION DESCRIPTION	GIS	CHK	RVW

PROJECT
FPD BIOMASS CONVERSION PROJECT

TITLE
LAND USE/LAND COVER



PROJECT No. 113-89534			FILE No. 113-89534A008		
DESIGN	JDG	06/13/2011	SCALE: AS SHOWN	REV.	1
GIS	JDG	06/07/2012	FIGURE 2.3.5-1		
CHECK	HTA	06/07/2012			
REVIEW	HTA	06/07/2012			



LEGEND

- PROPOSED CERTIFIED SITE BOUNDARY
- APPROXIMATE PROPOSED CONSTRUCTION LAYDOWN AREAS
- APPROXIMATE PROPOSED NEW INFRASTRUCTURE
- SOIL BOUNDARY

REFERENCES

1. APPROXIMATE PROPOSED NEW INFRASTRUCTURE, CONSTRUCTION LAYDOWN AREAS AND PROPOSED CERTIFIED SITE BOUNDARY: FLORIDA POWER DEVELOPMENT, 2012
2. SOILS: U.S. DEPARTMENT OF AGRICULTURE, NATURAL RESOURCES CONSERVATION SERVICE, 2010
3. 2010 AERIAL: SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT AND WOOLPERT, INC., 2010

600 0 600 Feet

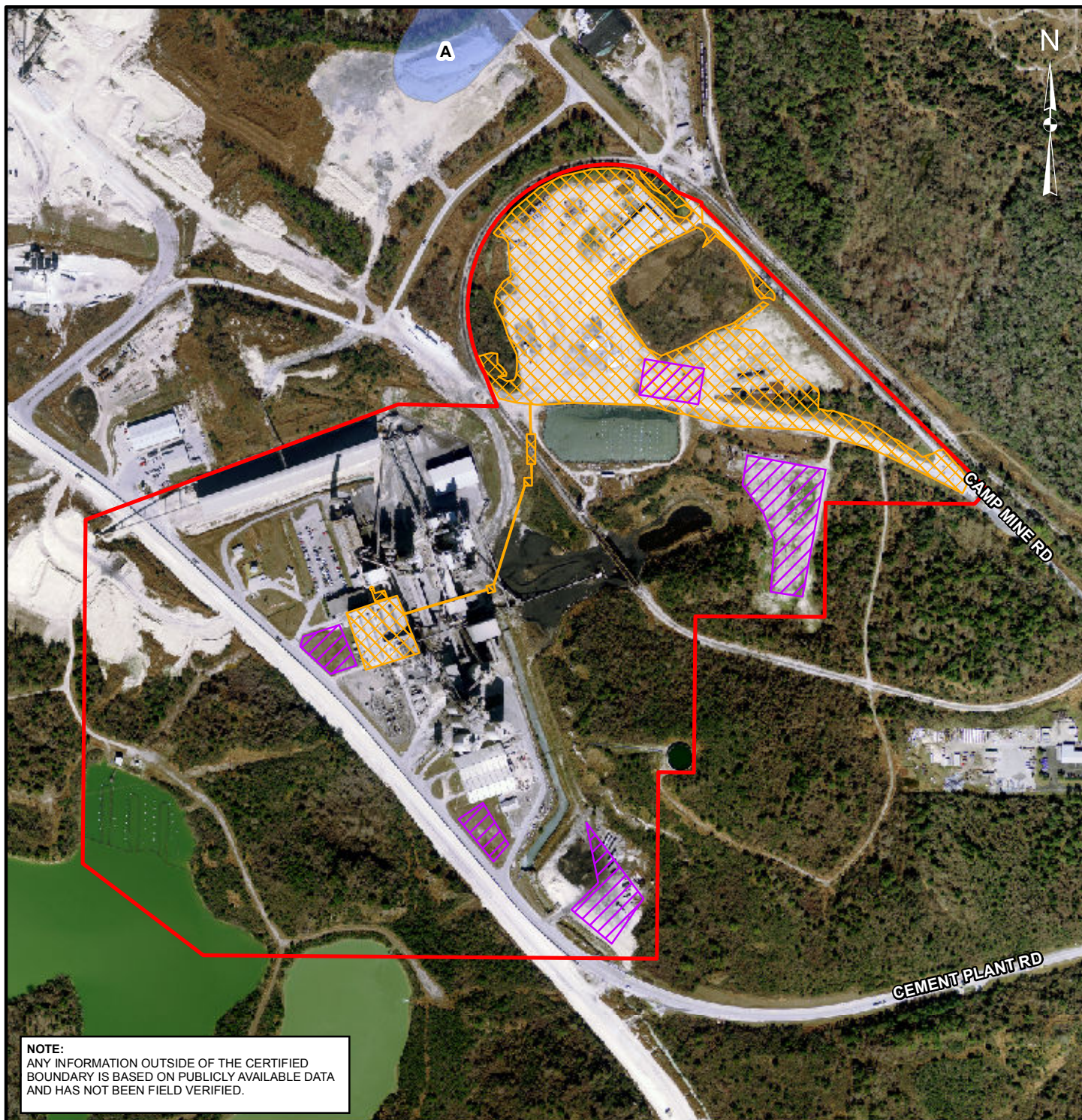
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2	03/07/13	JDG	ADDED DISCLAIMER	JDG	HTA	KJK
1	10/05/12	JDG	PROPOSED CERT. SITE BNDY AND INFRASTR. AREA UPDATE	JDG	HTA	KJK
REV.	DATE	DES	REVISION DESCRIPTION	GIS	CHK	RVW

PROJECT	FPD BIOMASS CONVERSION PROJECT
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TITLE	SOILS
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PROJECT No. 113-89534			FILE No. 113-89534A010	
DESIGN	JDG	06/13/2011	SCALE: AS SHOWN	REV. 1
GIS	JDG	06/07/2012	FIGURE 2.3.1-1	
CHECK	HTA	06/07/2012		
REVIEW	SHO	06/07/2012		



NOTE:
ANY INFORMATION OUTSIDE OF THE CERTIFIED
BOUNDARY IS BASED ON PUBLICLY AVAILABLE DATA
AND HAS NOT BEEN FIELD VERIFIED.

LEGEND

 PROPOSED CERTIFIED SITE BOUNDARY

 APPROXIMATE PROPOSED
CONSTRUCTION LAYDOWN AREAS

 APPROXIMATE PROPOSED
NEW INFRASTRUCTURE

A - AN AREA INUNDATED BY 100-YEAR FLOODING,
FOR WHICH NO BASE FLOOD ELEVATIONS HAVE
BEEN DETERMINED.

NOTE

ALL UNSHADED AREAS ARE ZONE X AND DO NOT FALL WITHIN A FLOOD
ZONE.

REFERENCES

1. APPROXIMATE PROPOSED NEW INFRASTRUCTURE, CONSTRUCTION LAYDOWN
AREAS AND PROPOSED CERTIFIED SITE BOUNDARY: FLORIDA POWER
DEVELOPMENT, 2012
2. FLOOD ZONES: FEDERAL EMERGENCY MANAGEMENT AGENCY (FEMA), 1996
3. 2010 AERIAL: SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT AND
WOOLPERT, INC., 2010

600 0 600
Feet

3	04/12/13	JDG	INFRASTR. AREA UPDATE	JDG	HTA	KJK
2	03/07/13	JDG	ADDED DISCLAIMER	JDG	HTA	KJK
1	10/05/12	JDG	PROPOSED CERT. SITE BNDY AND INFRASTR. AREA UPDATE	JDG	HTA	KJK
REV.	DATE	DES	REVISION DESCRIPTION	GIS	CHK	RVW

PROJECT

FPD BIOMASS CONVERSION PROJECT

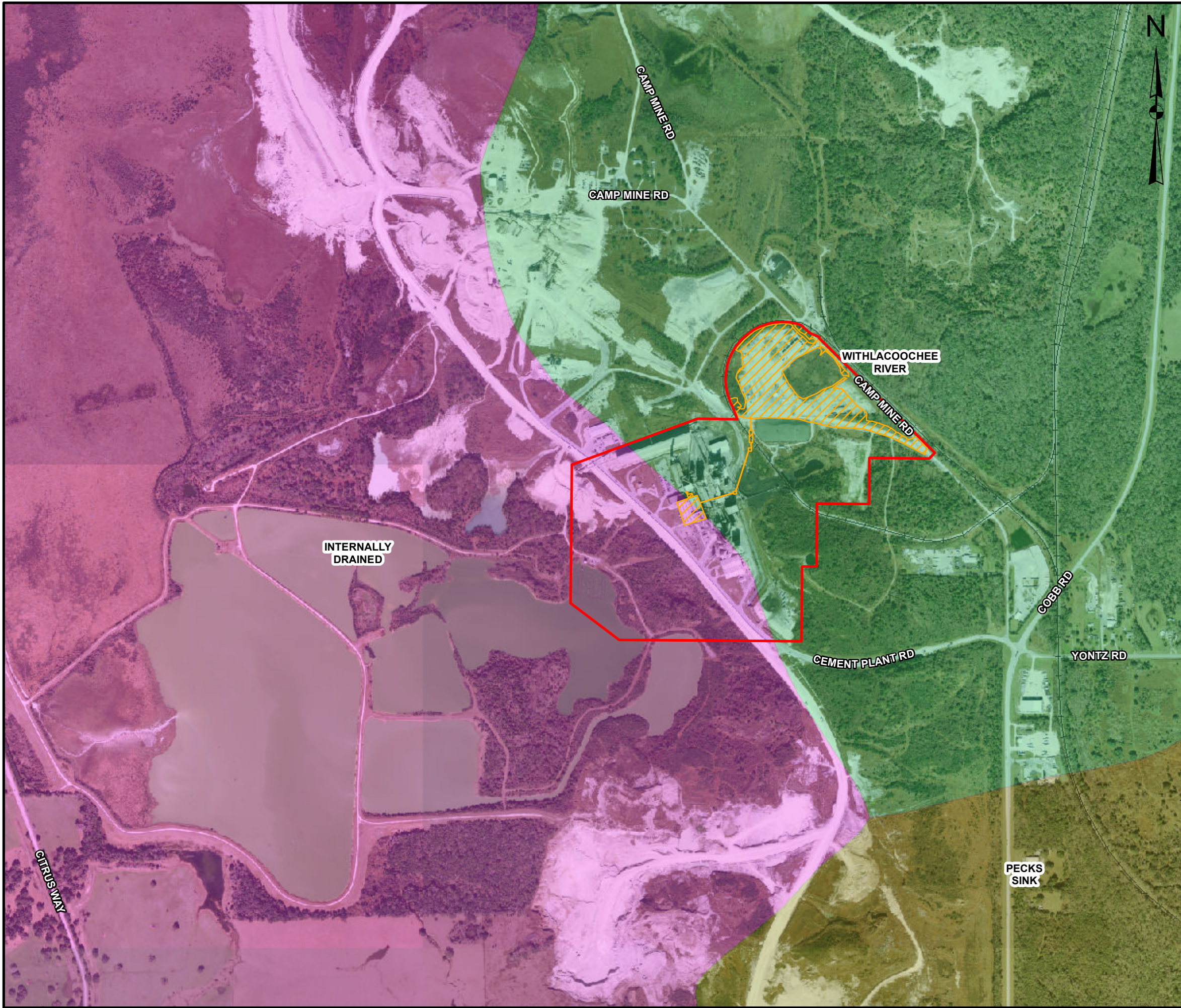
TITLE

FEMA FLOOD ZONES



PROJECT No. 113-89534			FILE No. 113-89534A011		
DESIGN	JG	06/13/2011	SCALE: AS SHOWN	REV.	1
GIS	JG	06/07/2012	FIGURE 2.1.2-1		
CHECK	KLH	06/07/2012			
REVIEW	SHO	06/07/2012			

F:\PROJECTS\2011 PROJ\113-89534 CPL Biomass Conversion\A - Site Certification Modification\GIS\MXD\113-89534A052 DRAINAGE BASINS 1 MILE.mxd



LEGEND

- COUNTY ROAD
- RAILROAD
- APPROXIMATE PROPOSED NEW INFRASTRUCTURE
- PROPOSED CERTIFIED SITE BOUNDARY

DRAINAGE BASINS

- INTERNALLY DRAINED
- PECKS SINK
- WITHLACOOCHEE RIVER

NOTE:
ANY INFORMATION OUTSIDE OF THE CERTIFIED
BOUNDARY IS BASED ON PUBLICLY AVAILABLE DATA
AND HAS NOT BEEN FIELD VERIFIED.

REFERENCES

1. PROPOSED CERTIFIED SITE BOUNDARY AND APPROXIMATE PROPOSED NEW INFRASTRUCTURE: FLORIDA POWER DEVELOPMENT, 2012
2. DRAINAGE BASINS: FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION, 1997
3. RAILROADS: GOLDER ASSOCIATES INC., 2011
4. ROADS: FLORIDA DEPARTMENT OF TRANSPORTATION, 2011
5. 2010 AERIAL: SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT AND WOOLPERT, INC., 2010



3	04/12/13	JDG	INFRASTR. AREA UPDATE	JDG	HTA	KJK
2	03/07/13	JDG	ADDED DISCLAIMER	JDG	HTA	KJK
1	10/05/12	JDG	PROPOSED CERT. SITE BNDY AND INFRASTR. AREA UPDATE	JDG	HTA	KJK
REV.	DATE	DES	REVISION DESCRIPTION	GIS	CHK	RVW

PROJECT
FPD BIOMASS CONVERSION PROJECT

TITLE
WATER MANAGEMENT DRAINAGE BASINS
WITHIN A 1-MILE RADIUS

	PROJECT No. 113-89534			FILE No. 113-89534A052	
	DESIGN	JDG	08/02/2011	SCALE: AS SHOWN	REV. 1
	GIS	JDG	06/07/2012	FIGURE 2.3.5-4	
	CHECK	HTA	06/07/2012		
	REVIEW	SHO	06/07/2012		



Production Withdrawal Water Inventory Map Florida Power Development

DISTRICT I.D.	LICENSEE I.D.	CURRENT USE
9	17	PRODUCTION WELL
10	18	PRODUCTION WELL
11	EL-1	COB-REUSE AUGMENTATION
12	SW INTAKE -1	POND COOLING WATER INTAKE

Revision Date: 8/22/17



© 2016 Google

Google e



1995

Imagery Date: 1/24/2016 28°34'51.32" N 82°26'13.66" W elev 118 ft eye alt 9

ATTACHMENTS

Attachment B – Surface Water System Management Plan

Surface Water Management Systems Plan

For

**BPP & CEMEX Certified
Facility**

Prepared by



IHI POWER SERVICES CORP.

IHI Power Services Corp.
95 Enterprise
Suite 300
Aliso Viejo, CA 92656

Prepared: August 20, 2017
Revised: November 10, 2017

Revised: January 9, 2019

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II.	Process Water, Stormwater, and Wastewater Routing.....	1
III.	Sampling and Monitoring	3
IV.	Containment Integrity for Dams and Berms	4
V.	General Operating Procedures	5
VI.	Best Management Practices	6
VII.	Annual Summary Report.....	9

I. Surface Water Management Systems Plan Objective

The objectives of the SWMSP are to 1) define routing of process and stormwater, 2) assess the potential for causing surface or ground water pollution, and 3) assess and implement practices and procedures to minimize pollutants in the discharges, thus reaching the surface water features onsite.

The certified facility does not discharge to “surface waters of the State”. The cooling ponds are manmade, used for cooling purposes, and are hydrologically closed, therefore do not meet the definition of a surface water of the State. Furthermore, based on historical and current operations and analytical data, the certified facility does not discharge a contaminant load to the surface water features that threatens public health and the environment. All water goes to the ponds, and none is released off site.

II. Process Water, Stormwater, and Wastewater Routing

The following are the process water, stormwater, and wastewater descriptions.

Coal Fuel Yard Stormwater- The CEMEX coal storage area, including a runoff collection sump, is underlain by a very low permeability clay liner. The runoff collection sump in the west end of the storage area was designed to contain the 100-storm. Any additional stormwater exceeding the sump’s holding capacity is pumped to the perimeter ditch.

Biomass Fuel Yard Stormwater - The BPP biomass fuel yard runoff is contained within the designed retention basin and does not discharge into the perimeter ditch or the cooling ponds.

Plants Stormwater – Stormwater from the BPP biomass power plant and the CEMEX cement plant area discharges to the perimeter ditch, then is pumped to the cooling ponds, from which, water is reused at the biomass power plant for cooling equipment purposes. The water in the multiple ponds is reused, evaporated, or percolated into the ground. Rainwater that falls on the cooling ponds also adds to the cooling ponds volume. There is no surface discharge from these cooling ponds, except under extreme storm conditions, and even then, no offsite discharge occurs.

Sanitary Wastewater - The sanitary wastewater from the BPP biomass power plant and from the CEMEX cement plant/admin areas, is routed to the onsite Domestic Wastewater Treatment Plant. The treated wastewater from the Domestic Wastewater Treatment Plant is routed via perimeter ditch and pumped to cooling pond 5. CEMEX cement warehouse/machine areas sanitary wastewater is routed to a designated septic tank. It is periodically pumped out by license contractor and disposed offsite.

Truck Wash Wastewater – the truck wash wastewater is routed to the perimeter ditch, however due to minimal and intermittent amount it may not flow to the cooling ponds. It has no effect on cooling pond quantity or quality.

BPP Biomass Power Plant Water and Wastewater –BPP uses well water for several plant systems, and each system has an associated wastewater discharge. These include the boiler unit, plant service water, and domestic sanitary system. The water used in the boiler unit must be pretreated prior to use to obtain the quality needed to generate the high purity steam. The pretreatment system consists of Reverse Osmosis (RO) Units and Demineralizer Units. The wastewater from the pretreatment equipment consists of RO reject, which is routed to the building drains and combined with other biomass power plant wastewater. The Demineralizer Units are portable units and are regenerated off site, so no demineralizer wastewater is generated at or discharged from the BPP biomass power plant to the ponds. To maintain proper boiler water quality, approximately 2% of the boiler water is blowdown. This boiler blowdown is routed to the boiler blowdown tank. Afterwards, it is routed to the building drains and combined with the other process wastewater which is routed to the perimeter ditch and then pumped to cooling pond 5.

The BPP biomass power plant uses water for various plant services, such as hose connections and the fire water system. All drains are routed to the perimeter ditch and pumped to cooling pond 5.

The cooling water is used to cool various BPP biomass power plant equipment, including but not limited to the water cooled grate ash system, the steam condenser system, and various pumps, using non-contact heat transfer properties. The warmed (or spent) cooling water is routed to the perimeter ditch and discharged into cooling pond 5 to be commingled and circulated through the two cooling ponds. When the biomass power plant is running, cooling water is withdrawn from cooling pond 5 through the intake structure, routed to the BPP biomass power plant and used in the circulating cooling systems, then piped to the perimeter ditch, then routed and discharged into cooling pond 5, this is done on a continuous basis.

CEMEX Plant Water and Wastewater - The manufacture of cement at the CEMEX Plant is a dry operation that does not require process water. However, the CEMEX Plant uses their permitted well water as other non-contact cooling water for various pieces of process equipment in their two cement plant kiln process lines, including but not limited to pump seal water and bearing cooling water. This spent non-contact cooling water is then routed to and discharged into the perimeter ditch and pumped to cooling pond 5.

Wastewater Flow Path

CEMEX coal storage stormwater runoff – coal pile runoff collection sump, if necessary, can be pumped to perimeter ditch and pumped to cooling ponds.

CEMEX cement plant stormwater runoff – routed to perimeter ditch and pumped to cooling pond 5.

BPPbiomass yard stormwater runoff – biomass retention basin.

CEMEX cement warehouse and machine shop areas sanitary wastewater – routed to designated septic tank, periodically pumped by license contractor and disposed offsite.

BPP biomass power and CEMEX cement plant/admin areas sanitary wastewater – Domestic Wastewater Treatment Plant Effluent – routed to perimeter ditch and pumped to cooling pond 5.

Truck Wash Wastewater – perimeter ditch, minimal and intermittent volume.

BPP biomass power plant boiler blowdown and RO reject – routed to perimeter ditch and pumped to cooling pond 5.

BPP biomass power plant service wastewater – routed to perimeter ditch and pumped to cooling pond 5.

BPP biomass power plant spent non-contact cooling water – routed to perimeter ditch and pumped to cooling pond 5.

CEMEX cement plant spent non-contact cooling water (K1) – routed to perimeter ditch and pumped to cooling pond 5.

CEMEX cement plant spent non-contact cooling water (K2) – routed to perimeter ditch and pumped to cooling pond 5.

III. Sampling and Monitoring

Process wastewater - is monitored per the revised Conditions of Certification process monitoring requirements. Sample analyses are completed by a certified lab, using approved methods per 40 CFR 136. Refer to Conditions of Certification and DMR for specifics.

Perimeter Ditch

Constituents – TSS, pH, total Al, total Fe, TPH, O&G, TDS

Frequency – Annual

Cooling Water Pond 4

Constituents – pH, TSS, Water Level

Frequency – Semi-Annual

Reuse Wastewater (R001, To Ponds)

Constituents – Flow, BOD, TSS, Fecal Coliform, pH, total Cl, total Nitrate

Frequency – 2 days/week and/or monthly

Groundwater – has been monitored since the mid-1980. Groundwater is monitored per the revised Conditions of Certification groundwater monitoring requirements. Sample analyses are completed by a certified lab using approved methods per 40 CFR 136. Refer Conditions of Certification and DMR for specifics.

Wells – MWC 1, 2R, 3, 4R, 5, 6, and 8R

Constituents – Water Level, pH, Specific Conductance, Turbidity, TDS

Frequency – Annual

Every 5 years, 2 selected wells monitored for Primary and Secondary drinking water parameters as noted in the Conditions of Certification.

Evaluation of Data – Historical and current data has been reviewed and evaluated. Constituents determined to be non-detector extremely low have been removed from the monitoring list and/or the frequency of monitoring has been reduced. On an annual basis, the data obtained from the analysis will be reviewed and evaluated to determine if issues exists and if procedures or practices require modifications.

Wastewater Treatment Plant Influent and Effluent - is monitored per the revised Conditions of Certification requirements. WWTP is operated by certified personnel. Sample analyses are completed by a certified lab using approved methods per 40 CFR 136. Refer to Conditions of Certification and DMR for specifics.

Wastewater Influent (To WWT Plant)

Constituents – Flow, BOD, TSS

Frequency – Monthly, Annual, Annual

Wastewater Effluent (From WWT Plant, To Ponds)

Part of R001 wastewater stream

Constituents of Concern – Constituents noted above can originate from processes and/or materials found at the certified facility that could have the potential to mix with and discharge routed to the surface water features (cooling ponds) and enter groundwater. Evaluation of the analytical data identified these constituents could potentially affect surface water and groundwater quality in the onsite water features, so they will continue to be monitored.

IV. Containment Integrity for Dams and Berms

Conduct dam and berm inspections according to State requirements on an annual basis by an engineer registered in the State of Florida and experienced in the field of construction and maintenance of dams. Results of inspections are kept on file. Perform weekly cursory inspections of the dams and their applicable features by qualified personnel and prepares a monthly report regarding findings. The monthly reports and annual reports are filed at the plant office.

The intent of these inspections is to establish regular evaluation and an inspection record in order to minimize the risk of spills, releases, and discharges from settling pond and cooling pond storage features at the certified facility.

Inspection Schedule:

- Annual Dam Safety Inspection by professional engineer registered in State of Florida.
- Cursory weekly Dam Inspection with a monthly report conducted by plant personnel.
- Inspection Reports are filed

V. General Operating Procedures

Maintenance and Housekeeping – Good housekeeping is essential to the proper maintenance of the work place and is emphasized throughout the certified facility. Employees are provided initial and annual refresher training that addresses the importance of good housekeeping. Regular schedules and assignments are developed by area supervisors to ensure safe and clean working conditions.

General housekeeping at each operation and adjacent property areas is the responsibility of the respective operations and maintenance departments. Spilled process material on the plant roads is cleaned upon occurrence as soon as practicable.

Record Keeping – All certified facility personnel are trained in proper record keeping requirements for their specific job functions as applicable. Each of the operating areas have operational record keeping requirements for the certified facility or operations addressed in the documents.

Inspections – All certified facility personnel are trained to observe their surroundings during the course of their daily duties and to report anything that may contribute to releases of potentially harmful materials. Operating plans and permits have an inspection component and record keeping requirement.

Plant Security – All access into and out of the certified facility is monitored and recorded by the facility security guard. The security guard is responsible for insuring that all outside contractors, consultants, and regulatory personnel are appropriately logged in and recorded. In addition, the security guard checks any outside contractor vehicles to insure that proper documentation is provided for all materials being brought into the certified facility, and that all loads are properly documented and restrained on the vehicle.

Employee Training – All new employees receive initial training that covers chemical hazards, SDS manuals, the Health and Safety Procedures, Emergency Procedures, and Environmental Procedures.

Employees routinely receive annual training covering health, safety, environmental programs, permits and compliance, employee responsibilities, identification of environmental incidents, management and reporting of chemical and petroleum spills, waste management, dams and dikes inspections, and stormwater control. In addition, the training program informs all personnel of the components and goals of the SWMS Plan. All training sessions are properly documented with the name of the trainer, the names of the participants, the date the training was performed and the subject matter.

Safety Data Sheets (SDS) – SDS forms for all chemicals utilized in the certified facility are maintained by the facility safety staff. The safety staff ensures that updated versions of the SDS's are available in various areas of the certified facility. Operation manuals and protocols involving the use of chemicals specifically referenced the SDS forms. SDS forms are available to all employees for reference prior to handling any chemical in the certified facility.

Emergency Procedure Management – Specific emergency procedures have been developed and implemented that provide a basic plan of action to be followed in the event of a major facility emergency, which may include the following: 1) fire, 2) explosion, 3) rupture and/or release of substances such as fuel or gasoline, 4) equipment, building, or structure failure, 5) natural causes such as hurricanes, tornadoes, and severe thunderstorms, and 6) sabotage or bomb threats. The manual includes requirements and procedures for responding to sudden and non-sudden spills (petroleum spills, chemical spills, truck spills, and settling/cooling water releases).

VI. Best Management Practices

The objective is to implement best management practices to prevent or minimize the potential for the release of pollutants to water from ancillary activities through plant site runoff, spillage or leaks, and/or drainage from raw material storage. Ancillary activities are defined as material storage areas, in-plant transfer, process and material handling areas, and loading and unloading operations.

SPCC Plan – There are pollutants that could result from materials utilized at the certified facility that normally do not discharge to surface water features such as the perimeter ditch. These pollutants are gasoline, diesel, fuel oil, oils, lubricants, and used oil. These materials are address in the Spill Prevention Control and Countermeasure Plan. Solvents and other chemicals used for operations in small amounts are closely monitored, and they are handled in accordance with their respective SDS requirements and plant procedures. However, it should be noted that the SPCC Plan is not officially required, since ponds are hydrologically closed to navigable waters, therefore it is implemented as a BMP.

Solid Waste and Industrial By-Product Raw Materials – Solid waste and industrial by-product raw materials accepted at the certified facility for use in production shall not be hazardous

waste as defined in 40 CFR 261. Such raw materials, including any industrial by-products will be managed in such a way so as to provide reasonable assurance that there will be no contamination of the soil, sediment, surface and/or groundwater in violation of the FDEP water quality standards or minimum criteria.

Solid waste and industrial by-products generated from the certified facility will be handled, stored, and managed as required based on the waste determination performed per 40 CFR 261, including processor knowledge. All of the operating entities will maintain their respective operations adequate and appropriate records to document the determinations.

Debris Removal – Spillway and other stormwater control and conveyance structures require frequent debris removal to maintain proper function. Litter and wastes can clog inlets, catch basins and outlets, and lead to overflows, erosion and unintended flooding. Grates on process water inlets and outlets must be cleaned on a regular basis. Certified facility personnel inspect all spillway and stormwater control and conveyance structures to maintain proper function on a weekly basis. When necessary, debris is removed and properly disposed of in accordance with permitted and regulatory requirements. Certified facility personnel have also established an ongoing mowing contract, which includes mowing and weed control of all conveyance structures. Curbing and the use of silt fencing will be used as needed to control unwanted sediment discharge.

Waste Minimization Assessment – Waste minimization is a component of pollution prevention. Periodic assessments are designed to improve processes that include source reduction, waste minimization and on-site recycling to the greatest extent practicable. The objective is to reduce or eliminate certain material(s) that are a potential source of pollution. The waste reduction examples include: Evaluating materials that are purchased and used for reduction or elimination or evaluate and use where feasible substitution of petroleum based (solvent) general-purpose cleaners with either aqueous alkaline based or citrus-based cleaners.

Education Program – Education programs are effective nonstructural BMPs when implemented for all employees. Employees and supervisors will adapt to new methods or use alternative materials when they are informed of workable techniques during classroom instructions.

Preventive Measures – Source controls management techniques that reduce the exposure of materials to stormwater will be given additional emphasis. Since the certified facility's runoff does not represent a threat to onsite waters, these BMPs are oriented toward actions that are focused on materials handling techniques. Most measures that mitigate existing water quality conditions are preventive in nature. These practices use alternative maintenance procedures, education of management and technical personnel, or redesign of structures to reduce the amounts of constituents entering stormwater and accumulating on impervious areas. Preventive measures are cost-effective ways to manage stormwater runoff

because they usually require no land area or construction and can be implemented quickly and economically.

Exposure Reduction – The most effective way to reduce or eliminate constituent loading in stormwater is to limit the exposure of materials to rainfall and runoff. Covering storage areas help reduce its transport to the stormwater conveyance systems and thus into the onsite water features.

Minimization of Pollutants – Overall, significant stormwater affects will be avoided by removing potential pollutants from the watershed, using alternative chemicals, using alternative practices, recycling or reducing the use of polluting chemicals and other materials. The certified facility managers are in the best position to devise alternative and innovated procedures and new techniques that avoid or reduce pollutants, and can be given guidance, incentives, and though-provoking encouragement to do so.

Water Conservation Measures – The certified facility incorporates a very large water recirculating system. Groundwater, from production wells is used for cooling various types of equipment. Upon cooling, the water is recirculated back into the recirculating perimeter ditch, where it is pumped to and mixed in Ponds 4 and 5 with rainwater and treated effluent from the wastewater treatment plant, then re-pumped to the certified facility to cool equipment once again. There is no significant loss of water, with the exception of losses associated with evaporation and natural soil percolation.

Certified facility personnel regularly inspect the equipment to ensure that it is operating properly. Broken and/or leaking equipment is quickly fixed to prevent an environmental issue and to reduce unnecessary loss of water. Pressure cleaning is periodically conducted as needed. Low flow toilets and other water saving fixtures are in use throughout the certified facility. Broken toilets and fixtures are replaced regularly with water saving units. Irrigation for grass and landscaping is not conducted.

Sediment and Erosion Control – The proper sediment and erosion control practices is integral to preservation of water quality within the facility's retention ponds and conveyance systems. General control practices include removing buildup of debris from heavy vegetation or other yard debris that may restrict flow in the water-conveyance system. Dispose of chemicals, oils, greases or similar wastes at approved disposal or recycling facilities and not in drains directly affecting site water conveyance systems. Limiting as practical, the amount of fertilizers around and in the ponds. Avoid herbicides on the banks of the ponds to protect the bank slopes from erosion and sediment buildup. Re-sod any areas where grass or sod has been removed or eroded which protect the banks of the ponds. Periodically, remove and properly dispose sediment that accumulate in the water conveyance systems. During repair or maintenance activity, caution will be used to avoid erosion or siltation. Alterations requiring proper permitting or approval from applicable regulatory agencies will be completed. Repair any non-

functional baffles, deteriorating structures and any sink holes. Repair any sinkholes as practical, according to attached plan (Figure 1) or per vendor recommended industry standard repair plan.

Periodic inspections include:

- Visual observations for bank instability from erosion,
- Evidence of sinkholes, sod condition (any distress of vegetation),
- Presence of waste, debris or pollutants within surface water systems,
- Inspection of cracks, structure failure or non-functioning baffles and
- Operable staff gages for indication of sediment accumulation and water level.

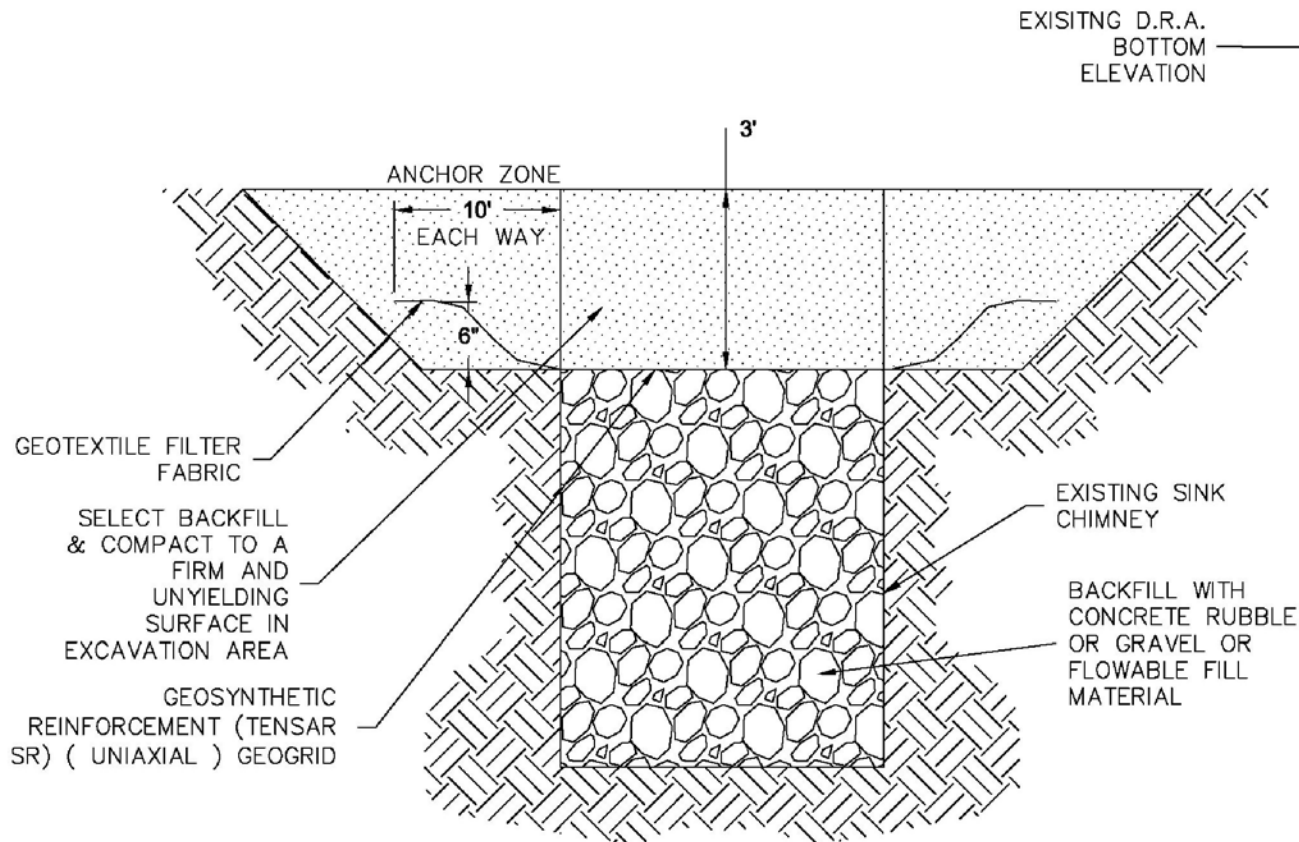
Inspection and maintenance records are maintained on site.

Continuous Improvement – As part of everyday operations and maintenance, the certified facility personnel are always looking for ways to improve their daily tasks, conserve resources and lessen impacts to the environment. Additionally, they share lessons learned as well as best practices. Furthermore, management encourages a questioning attitude, and everyone is expected to “stop a task” if they perceive it to be unsafe or could cause an impacts to the environment. This empowerment allows for tasks to be performed safely, compliantly, and creates a culture of continuous improvement.

VII. Annual Summary Report

As part of maintaining water level and water quality monitoring required in the Conditions of Certification, an Annual Summary Report is prepared and submitted by March 1 every year. The Annual Summary Report describes changes and trends in Cooling Pond 4 water levels, groundwater monitoring water levels, Cooling Pond 4 water quality data, and groundwater monitoring water quality data. Also included is a brief text describing the current conditions and includes appropriate water level and water quality tables and graphs.

Figure 1



SINKHOLE REPAIR PLAN

RECOMMENDATION FOR REPAIRING SINKHOLES IN RETENTION PONDS:
BY DEVO SEEREERAM PHD., P.E.

STEP #1:

IF THE SINKHOLE CONSISTS ONLY OF A SURFACE DEPRESSION (I.E. NO OPEN FISSURE OR EXPOSED CAVERN), PROCEED TO STEP #3.

STEP #2:

IF THE SINKHOLE HAS AN OPEN FISSURE OR EXPOSED CAVERN, FILL THE SINKHOLE TO WITHIN 3 FEET OF PLAN GRADE WITH EITHER: A) CONCRETE RUBBLE OR GRAVEL, OR B) FLOWABLE FILL. IF CONCRETE RUBBLE OR GRAVEL IS USED IT SHOULD CONSIST OF HARD, DURABLE STONE, BROKEN CONCRETE AND/OR BROKEN CONCRETE BLOCK. MATERIAL ACCEPTANCE MAY BE BASED ON VISUAL INSPECTION. THE MOST IMPORTANT MATERIAL CHARACTERISTICS ARE THAT THE CONCRETE/STONE PIECES BE DURABLE (I.E. NOT SOFT AND DISSOLVABLE), SOMEWHAT ANGULAR, AND PREDOMINANTLY COARSER THAN A 1-1/2 INCH SIEVE.

STEP #3:

PLACE TWO LAYERS OF GEOSYNTHETIC REINFORCEMENT, AND ONE LAYER OF GEOTEXTILE FABRIC, IF REQUIRED, AS FOLLOWS:

MATERIAL: THE REINFORCEMENT TO BE USED SHOULD HAVE A MINIMUM TENSILE STRENGTH OF 1,350 LB/FT (ASTM D-4595) AT A STRAIN OF 10% OR LESS. IF THE REINFORCEMENT HAS AN APPARENT OPENING SIZE (AOS) LESS THAN 70, PLACE A LAYER OF TYPE D-3 (FDOT STANDARD INDEX 199) GEOTEXTILE FABRIC WITH AOS >70 OVER THE REINFORCEMENT LAYERS.

EXCAVATION: EXCAVATE TO A DEPTH OF APPROXIMATELY 3 FEET BELOW THE POND BOTTOM, AND TO A PLAN AREA WHICH ALLOWS FOR A REINFORCEMENT/FABRIC INSTALLATION THAT EXTENDS/PROVIDES COVERAGE TO AT LEAST 10 FEET BEYOND THE SURFACE OPENING OF THE SINKHOLE, BUT DOES NOT INTERFERE WITH EXISTING TRAVEL LANES.

PLACEMENT: PLACE THE GEOSYNTHETIC REINFORCEMENT LAYERS 3 FEET BELOW THE POND BOTTOM, WITHIN THE ABOVE DESCRIBED EXCAVATION. IF THE REINFORCEMENT HAS AN AOS LESS THAN 70, PLACE A LAYER OF ABOVE DESCRIBED GEOTEXTILE FABRIC OVER THE REINFORCEMENT LAYERS. ANCHOR THE TWO REINFORCEMENT LAYERS (AND THE FABRIC, IF INSTALLED) AT LEAST 10 FEET BEYOND THE LIMITS OF THE FISSURE/CAVERN OPENING. IN THE 10 FOOT ANCHOR ZONE AREA, THE TWO REINFORCEMENT LAYERS SHOULD BE SEPARATED BY AT LEAST 6 INCHES OF SOIL. IN THE NON-ANCHOR ZONE AREA, THE UPPER REINFORCEMENT LAYER MAY BE LAID DIRECTLY ON THE UNDERLYING LAYER. STAGGER THE TWO REINFORCEMENT LAYERS SO THE JOINTS DO NOT COINCIDE. FILL THE UPPER 3 FEET OF THE EXCAVATION/SINKHOLE TO GRADE USING SELECT BACKFILL, AND COMPACT TO A FIRM AND UNYIELDING SURFACE.

REFERENCES

SINKHOLE REPAIR PLAN: CRYSTAL ENGINEERING CORPORATION, 2008

REV.	DATE	DES.	REVISION DESCRIPTION	GIS	CHK	RVW
PROJECT						
BPP BIOMASS CONVERSION PROJECT						
TITLE						
SINKHOLE REPAIR PLAN						
PROJECT No. 113-89534				FILE No. 113-89534B008		
DESIGN	JDG	09/20/2011	SCALE: AS SHOWN	REV. 0		
GIS	JDG	09/20/2011	FIGURE 1			
CHECK	MHS	09/20/2011				
REVIEW						



PROJECT No. 113-89534			FILE No. 113-89534B008	
DESIGN	JDG	09/20/2011	SCALE: AS SHOWN	REV. 0
GIS	JDG	09/20/2011	FIGURE 1	
CHECK	MHS	09/20/2011		
REVIEW				

ATTACHMENTS

Attachment C – Wetland Mitigation Plan

To be included as applicable

ATTACHMENTS

Attachment D – Groundwater Monitoring, Operation and Maintenance Requirements

**CEMEX Construction Materials Florida, LLC's Brooksville South Cement Plant
Brooksville PP Assets Holding Company, LLC's Steam Electric Generating
Plant**

WAFR ID No. FLA012073

**Facility Address:
10311 Cement Plant Road
Brookville, FL 34428
Hernando County**

Latitude: 28° 34' 50.57" N Longitude: 82° 25' 48.32" W

These Groundwater Monitoring, Operation and Maintenance Requirements (GWMOMR) was developed by the Florida Department of Environmental Protection Southwest District's Industrial Wastewater (IWW) Section, in conjunction with the licensee, Cemex Construction Materials Florida LLL (Cemex) and Brooksville PP Assets Holding Company, LLC (BPP), to incorporate the groundwater monitoring requirements into the Licensee's Conditions of Certification (COC or License). The Department's Southwest District IWW Section is responsible for reviewing and approving all revisions to this document in accordance with Section A, Condition XX. Procedures for Post-Certification Submittals and Section B.I.A., Groundwater Monitoring, of this License.

New sources or deletion of existing sources of wastewater with changes to water quality standards, applications for a new water quality criteria exemption pursuant to Rule 62-520.500 F.A.C., and improvements made at a treatment facility to provide for a new or expanded land application system with increase in the licensed capacity are considered modifications to the existing license. The licensee shall submit a petition for modification to the Conditions of Certification to the Department for review and approval in accordance with Section 403.516, F.S. and 62-17.211, F.A.C.

WASTEWATER DESCRIPTION:

The CEMEX coal storage area, including a runoff collection sump, is underlain by a very low permeability clay liner. The runoff collection sump in the west end of the storage area was designed to contain the 100-storm. Any additional stormwater exceeding the sump's holding capacity is pumped to the perimeter ditch, which lies between the CEMEX coal storage area and the BPP biomass power plant. The BPP biomass fuel yard runoff is contained within the designed retention basin and does not discharge into the perimeter ditch or the cooling ponds.

Any discharge from the perimeter ditch, which drains stormwater from the BPP biomass power plant and the CEMEX cement plant area, is pumped to the cooling ponds. from which, water is reused at the biomass power plant for cooling equipment purposes. The water in the multiple ponds is reused, evaporated, or percolated into the ground. Rainwater that falls on the cooling ponds also adds to the cooling ponds volume. There is no surface discharge from these cooling ponds, except under extreme storm conditions, and even then, no offsite discharge occurs.

The sanitary wastewater from the BPP biomass power plant, as well as the sanitary wastewater from the CEMEX cement plant/admin areas, is routed to the onsite Domestic Wastewater Treatment Plant. The treated wastewater from the Domestic Wastewater Treatment Plant is routed via perimeter ditch and pumped to cooling pond 5. CEMEX cement warehouse/machine areas sanitary wastewater is routed to a designated septic tank. It is periodically pumped out by license contractor and disposed offsite.

Truck wash wastewater is routed to the perimeter ditch, however due to minimal and intermittent amount it may not flow to the cooling ponds. It has a minimal effect on cooling pond quantity or quality.

BPP Biomass power plant uses well water for several plant systems, and each system has an associated wastewater discharge. These include the boiler unit, plant service water, and domestic sanitary system. The water used in the boiler unit must be

pretreated prior to use to obtain the quality needed to generate the high purity steam. The pretreatment system consists of Reverse Osmosis (RO) Units and Demineralizer Units. The wastewater from the pretreatment equipment consists of RO reject, which is routed to the building drains and combined with other biomass power plant wastewater. The Demineralizer Units are portable units and are regenerated off site, so no demineralizer wastewater is generated at or discharged from the BPP biomass power plant to the ponds. To maintain proper boiler water quality, approximately 2% of the boiler water is blowdown. This boiler blowdown is routed to the boiler blowdown tank. Afterwards, it is routed to the building drains and combined with the other process wastewater which is routed to the perimeter ditch and then pumped to cooling pond 5.

The BPP biomass power plant uses water for various plant services, such as hose connections and the fire water system. All drains are routed to the perimeter ditch and pumped to cooling pond 5.

The cooling water is used to cool various BPP biomass power plant equipment, including but not limited to the water-cooled grate ash system, the steam condenser system, and various pumps, using non-contact heat transfer properties. The warmed (or spent) cooling water is routed to the perimeter ditch and discharged into cooling pond 5 to be commingled and circulated through the two cooling ponds. When the biomass power plant is running, cooling water is withdrawn from cooling pond 5 through the intake structure, routed to the BPP biomass power plant and used in the circulating cooling systems, then piped to the perimeter ditch, then routed and discharged into cooling pond 5, this is done on a continuous basis.

The manufacture of cement at the CEMEX Plant is a dry operation that does not require process water. However, the CEMEX Plant uses their permitted well water as other non-contact cooling water for various pieces of process equipment in their two cement plant kiln process lines, including but not limited to pump seal water and bearing cooling water. This spent non-contact cooling water is then routed to and discharged into the perimeter ditch and pumped to cooling pond 5.

WASTEWATER REUSE OR DISPOSAL:

Land Application R-001: An existing land application system consisting of a perimeter ditch and two interconnected evaporation/percolation ponds: cooling pond 4 and cooling pond 5. The estimated capacities of the perimeter ditch, cooling pond 4 and cooling pond 5 are 719,240 ft³, 2281 ac-ft (99,360,361 ft³) and 4914 ac-ft (214,053,842 ft³), respectively.

I. GROUNDWATER MONITORING REQUIREMENTS

1. The licensee shall give at least 72-hours' notice to the Department's Southwest District Office, prior to the installation of any monitoring wells. [62-520.600(6)(h)]
2. Before construction of new ground water monitoring wells, a soil boring shall be made at each new monitoring well location to properly determine monitoring well specifications such as well depth, screen interval, screen slot, and filter pack. [62-520.600(6)(g)]
3. Within 30 days after installation of a monitoring well, the licensee shall submit to the Department's Southwest District Office well completion reports and soil boring/lithologic logs on the attached DEP Form(s) 62-520.900(3), Monitoring Well Completion Report. [62-520.600(6)(j) and .900(3)]
4. All piezometers and monitoring wells not part of the approved ground water monitoring plan shall be plugged and abandoned in accordance with Rule 62-532.500(5), F.A.C., unless future use is intended. [62-532.500(5)]
5. For the land application system R-001, all ground water quality criteria specified in Chapter 62-520, F.A.C., shall be met at the edge of the zone of discharge, unless otherwise determined by the Department. The zone of discharge for this project shall extend horizontally to 100 feet from the land application site boundary and vertically to the Floridian Aquifer. [62-520.200(27)] [62-520.200(10)] [62-520.465] [62-520.310(14)] [62-520.520]

6. The ground water minimum criteria specified in Rule 62-520.400 F.A.C., shall be met within the zone of discharge. [62-520.400 and 62-520.420(4)]
7. If the concentration for any constituent listed in Condition I.10 in the natural background quality of the ground water is greater than the stated maximum, or in the case of pH is also less than the minimum, the representative background quality shall be the prevailing standard. [62-520.420(2)]
8. During the period of operation authorized by this license, the licensee shall continue to sample ground water at the monitoring wells identified in Condition I.9. below in accordance with the approved ground water monitoring plan prepared in accordance with Rule 62-520.600, F.A.C. [62-520.600]
9. The following monitoring wells shall be sampled for Land Application (Reuse) R-001.

Monitoring Well ID	Alternate Well Name and/or Description of Monitoring Location	Depth (Feet)	Aquifer Monitored	New or Existing
MWC-1	Compliance monitoring well (MW-CPL-1)	65	Floridian	Existing
MWC-2R	Compliance monitoring well (MW-CPL-2R)	78	Floridian	Existing
MWC-3	Compliance monitoring well (MW-CPL-3)	118	Floridian	Existing
MWC-4R	Compliance monitoring well (MW-CPL-4R)	165	Floridian	Existing
MWC-5	Compliance monitoring well (MW-CPL-5)	140	Floridian	Existing
MWC-6	Compliance monitoring well (MW-CPL-6)	70	Floridian	Existing
MWC-8R	Compliance monitoring well (MW-CPL-8R)	120	Floridian	Existing

[62-520.600]

10. The following parameters shall be analyzed for each monitoring well identified in Condition I.9.

Parameter	Compliance Well Limit	Units	Sample Type	Monitoring Frequency
Water Level Relative to NGVD	Report	ft	In Situ	Annually
pH	6.5-8.5	s.u.	In Situ	Annually
Specific Conductance	Report	umhos/cm	In Situ	Annually
Turbidity	Report	NTU	In Situ	Annually
Solids, Total Dissolved (TDS)	500	mg/L	Grab	Annually

[62-520.600(11)(b)]

11. Water levels shall be recorded before evacuating each well for sample collection. Elevation references shall include the top of the well casing and land surface at each well site (NAVD allowable) at a precision of plus or minus 0.01 foot. [62-520.600(11)(c)]
12. Ground water monitoring wells shall be purged prior to sampling to obtain representative samples. [62-160.210]
13. Analyses shall be conducted on unfiltered samples, unless filtered samples have been approved by the Department's Southwest District Office as being more representative of ground water conditions. [62-520.310(5)]
14. Ground water monitoring test results shall be submitted on Part D of Form 62-620.910(10) (attached). [62-520.600(11)(b)]
15. If any monitoring well becomes inoperable or damaged to the extent that the sampling or well integrity may be affected, the licensee shall notify the Department's Southwest District Office within two business days from discovery, and a detailed written report shall follow within ten days after notification to the Department. The written report shall detail what problem has occurred and remedial measures that have been taken to prevent recurrence or request approval for replacement of the monitoring well. All monitoring well design and

replacement shall be approved by the Department's Southwest District Office before installation. [62-520.600(6)(l)]

16. Beginning on January 1, 2018, and every 5 years thereafter, the licensee shall submit a proposal identifying the monitoring wells that will be sampled for the Primary and Secondary drinking water parameters included in the table below. The selection of the wells should include at least two compliance wells that are most impacted by R-001. Well selections should be based on recent groundwater conditions. Sampling results should be submitted sixty days upon Department's approval of the well sampling proposal.

Inorganic Compounds	Volatile Organic Contaminants	Synthetic Organic Compounds
Antimony	1,1-Dichloroethylene (75-35-4)	Benzo(a)pyrene (50-32-8)
Arsenic	1,1,1-Trichloroethane (71-55-6)	Di(2-ethylhexyl)adipate (103-23-1)
Barium	1,1,2-Trichloroethane (79-00-5)	Di(2-ethylhexyl)phthalate (117-81-7)
Beryllium	1,2-Dichloroethane (107-06-2)	Ethylene dibromide (EDB) (106-93-4)
Cadmium	1,2-Dichloropropane (78-87-5)	
Chromium	1,2,4-Trichlorobenzene (120-82-1)	
Cyanide (as free Cyanide)	Benzene (71-43-2)	Secondary Drinking Water Parameters
Fluoride	Carbon tetrachloride (56-23-5)	Aluminum
Lead	cis-1,2-Dichloroethylene (156-59-2)	Chloride
Mercury	Dichloromethane (75-09-2)	Copper
Nickel	Ethylbenzene (100-41-4)	Fluoride
Nitrate	Monochlorobenzene (108-90-7)	Iron
Nitrite	o-Dichlorobenzene (95-50-1)	Manganese
Total Nitrate and Nitrite	para-Dichlorobenzene (106-46-7)	Silver
Selenium	Styrene (100-42-5)	Sulfate
Sodium	Tetrachloroethylene (127-18-4)	Zinc
Thallium	Toluene (108-88-3)	pH
	trans-1,2-Dichloroethylene (156-60-5)	Total Dissolved Solids
	Trichloroethylene (79-01-6)	Foaming Agents
	Vinyl chloride (75-01-4)	
	Xylenes (total) (1330-20-7)	

[62-520.600(5)(b)]

II. PERIMETER DITCH AND COOLING POND MONITORING REQUIREMENTS

1. The onsite perimeter ditch shall be monitored in accordance with the table below:

Parameter	Units	Max/Min	Reclaimed Water Limitations		Monitoring Requirements		
			Limit	Statistical Basis	Frequency of Monitoring	Sample Type	Monitoring Site Number
Solids, Total Suspended	mg/L	Max	Report	Daily Maximum	Annually	Grab	SWD-1
pH	s.u.	Max	Report	Single Sample	Annually	In Situ	SWD-1
Aluminum, Total Recoverable	mg/L	Max	Report	Daily Maximum	Annually	Grab	SWD-1
Iron, Total Recoverable	mg/L	Max	Report	Daily Maximum	Annually	Grab	SWD-1
Petrol Hydrocarbons, Total Recoverable	mg/L	Max	Report	Daily Maximum	Annually	Grab	SWD-1
Oil & Grease	mg/L	Max	Report	Daily Maximum	Annually	Grab	SWD-1
Solids, Total Dissolved (TDS)	mg/L	Max	Report	Daily Maximum	Annually	Grab	SWD-1
Turbidity	mg/L	Max	Report	Daily Maximum	Annually	In Situ	SWD-1

2. Cooling pond #4 shall be monitored in accordance with the table below:

Parameter	Units	Max/Min	Reclaimed Water Limitations		Monitoring Requirements		
			Limit	Statistical Basis	Frequency of Monitoring	Sample Type	Monitoring Site Number
pH	s.u.	Max	Report	Single Sample	Semi-annually	In Situ	PER-1
Solids, Total Suspended	mg/L	Max	Report	Daily Maximum	Semi-annually	Grab	PER-1
Water Level Relative to NGVD	ft	Max	Report	Single Sample	Semi-annually	In Situ	PER-1

3. Samples shall be taken at the monitoring site locations listed in Condition II.1, 2 and 3, and as described below:

Monitoring Site Number	Description of Monitoring Site
SWD-1	In perimeter ditch underneath the bridge
PER-1	In Cooling Pond 4, samples are taken at the boat ramp into the pond, just below the water surface

III. OTHER LIMITATIONS AND MONITORING AND REPORTING REQUIREMENTS

1. The sample collection, analytical test methods, and method detection limits (MDLs) applicable to this attachment 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 62-600,

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 attachment. 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 attachment 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 attachment 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 attachment 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 licensee 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 licensee 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 attachment 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 licensee shall provide safe access points for obtaining representative influent and effluent samples which are required by this plan. [62-620.320(6)]
3. During the period of operation authorized by the Condition of Certification, the Licensee shall complete and submit to the Southwest District IWW Section 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 license. 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 months of no discharge.

REPORT Type on DMR	Monitoring Period	Mail or Electronically Submit by
Monthly or Toxicity	first day of month – last day of month	28 th day of following month
Quarterly	January 1 - March 31 April 1 – June 30 July 1 – September 30 October 1 – December 31	April 28 July 28 October 28 January 28
Semiannual	January 1 – June 30 July 1 – December 31	July 28 January 28
Annual	January 1 – December 31	January 28

The licensee may submit either paper or electronic DMR forms. If submitting electronic DMR forms, the permittee shall use the electronic DMR system approved by the Department (EzDMR) and shall electronically submit the completed DMR forms using the DEP Business Portal at <http://www.fldepportal.com/go/>. Reports shall be submitted 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.

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 mail the completed DMR forms to the Department's Southwest District Office at the address specified in Condition III.4 by the twenty-eighth (28th) of the month following the month of operation.

4. Unless specified otherwise in this GWMOMR, all reports and notifications required by this GWMOMR, including twenty-four hour notifications, shall be submitted to or reported to the Southwest District Office at the address specified below:

Southwest District Office
13051 North Telecom Parkway
Temple Terrace, FL 33637-0926

Phone Number - (813) 470-5700
FAX Number - (813) 470-5995
Email – swd_iw@dep.state.fl.us

An Electronic copy of all submittals required by this Plan shall also be sent to the Siting Coordination Office by email to SCO@dep.state.fl.us. If electronic copies are not available, copies can be mailed to:

Siting Coordination Office
3900 Commonwealth Boulevard
Tallahassee, FL 32399

Phone Number- (850) 245-2002
Fax Number-(850) 245-2020

[62-620.610(18)][62-601.300(1),(2), and (3)]

4. All reports and other information shall be signed in accordance with requirements of Rule 62-620.305, F.A.C.

IV. DESIGN, CONSTRUCTION, OPERATION AND MAINTENANCE OF WASTEWATER FACILITIES REQUIREMENTS

1. General Operation and Maintenance Requirements

The licensee shall maintain the following records and make them available for inspection on the site of the licensed 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 license 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 at least three years from the date the application was filed;
- d. A copy of the current license;
- 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]

2. Impoundment Operation and Maintenance

- a. 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.
- b. 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.
- c. Routine aquatic weed control and regular maintenance of the percolation pond embankments and access areas are required.

[62-620.320(6)]

3. Impoundment Integrity Inspections

- a. All impoundments shall be inspected annually 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, responsible officer 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.
- c. The certification shall also include a statement that the impoundments 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 25-year, 24-hour rainfall event and maximum dry weather plant waste flows which could occur during a 24-hour period.
- d. The licensee shall conduct follow-up inspections within 7 days after large (i.e., 25-year, 24-hour precipitation event or greater rainfall) or extended rain events.
- e. In the event that the impoundment integrity is compromised and may result in a potential discharge to surfaces waters of the State, the licensee 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 after notifying the Department. Observed changes such as significant increases in seepage or seepage carrying sediment may be signs of 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 Condition IV.1. and made available to Department inspectors upon request.
- b. All pertinent impoundment, design, construction, operation, and maintenance information, including but not limited to: plans, geotechnical and structural integrity studies, associated certifications by qualified, Florida-registered professional engineer, and regulatory approvals, shall be kept on site in accordance with Condition IV.1. and made available to Department inspectors upon request.

V. OTHER SPECIFIC CONDITIONS

1. Where required by Chapter 471 or Chapter 492, F.S., applicable portions of reports that must be submitted under this license shall be signed and sealed by a professional engineer or a professional geologist, as appropriate. [62-620.310(4)]

2. The licensee shall provide verbal notice to the Department's Southwest 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 Licensee shall immediately implement measures appropriate to control the entry of contaminants, and shall detail these measures to the Department's Southwest District Office and the Siting Coordination Office in a written report within 7 days of the sinkhole discovery. [62-620.320(6)]

VI. FACILITY-WIDE GENERAL CONDITIONS

1. The terms, conditions, requirements, limitations and restrictions set forth in this license are binding and enforceable pursuant to Chapter 403, Florida Statutes. Any license noncompliance constitutes a violation of Chapter 403, Florida Statutes, and is grounds for enforcement action, license termination, license revocation and reissuance, or license revision. [62-620.610(1)]
2. This license 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 license 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 license does not convey any vested rights or any exclusive privileges. Neither does it authorize any injury to public or private property or any invasion of personal rights, nor authorize any infringement of federal, state, or local laws or regulations. This license is not a waiver of or approval of any other Department license or authorization that may be required for other aspects of the total project which are not addressed in this license. [62-620.610(3)]
4. 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 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 license does not relieve the licensee 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 licensed source; nor does it allow the licensee to cause pollution in contravention of Florida Statutes and Department rules, unless specifically authorized by an order from the Department. The licensee shall take all reasonable steps to minimize or prevent any discharge, reuse of reclaimed water, or residuals use or disposal in violation of this license which has a reasonable likelihood of adversely affecting human health or the environment. It shall not be a defense for a licensee in an enforcement action that it would have been necessary to halt or reduce the licensed activity in order to maintain compliance with the conditions of this license. [62-620.610(5)]
6. If the licensee wishes to continue an activity regulated by this license after its expiration date, the licensee shall apply for and obtain a new license. [62-620.610(6)]
7. The licensee 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 licensee to achieve compliance with the conditions of this license. 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 license. [62-620.610(7)]
8. This license may be modified, revoked and reissued, or terminated for cause. The filing of a request by the licensee for a license revision, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance does not stay any license condition. [62-620.610(8)]
9. The licensee, by accepting this license, 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 licensee's premises where a regulated facility, system, or activity is located or conducted, or where records shall be kept under the conditions of this license;
- b. Have access to and copy any records that shall be kept under the conditions of this license;
- c. Inspect the facilities, equipment, practices, or operations regulated or required under this license; and
- d. Sample or monitor any substances or parameters at any location necessary to assure compliance with this license or Department rules.

[62-620.610(9)]

10. In accepting this license, the licensee understands and agrees that all records, notes, monitoring data, and other information relating to the construction or operation of this licensed source which are submitted to the Department may be used by the Department as evidence in any enforcement case involving the licensed source arising under the Florida Statutes or Department rules, except as such use is proscribed by Section 403.111, F.S., or Rule 62-620.302, F.A.C. Such evidence shall only be used to the extent that it is consistent with the Florida Rules of Civil Procedure and applicable evidentiary rules. *[62-620.610(10)]*
11. When requested by the Department, the licensee 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 license, or to determine compliance with the license. The licensee shall also provide to the Department upon request copies of records required by this license to be kept. If the licensee becomes aware of relevant facts that were not submitted or were incorrect in the license 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 licensee, in accepting this license, agrees to comply with changes in Department rules and Florida Statutes after a reasonable time for compliance; provided, however, the licensee 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 licensee, in accepting this license, 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 license is transferable only upon Department approval in accordance with Rule 62-620.340, F.A.C. The licensee shall be liable for any noncompliance of the licensed activity until the transfer is approved by the Department. *[62-620.610(14)]*
15. The licensee 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 licensee shall give advance notice to the Department of any planned changes in the licensed facility or activity which may result in noncompliance with license requirements. The licensee 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 license. 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)]*
17. Sampling and monitoring data shall be collected and analyzed in accordance with Rule 62-4.246 and Chapters 62-160, 62-601, and 62-610, F.A.C., and 40 CFR 136, as appropriate.

- a. Monitoring results shall be reported at the intervals specified elsewhere in this permit and shall be reported on a Discharge Monitoring Report (DMR), DEP Form 62-620.910(10), or as specified elsewhere in the permit.
- b. If the permittee monitors any contaminant more frequently than required by the permit, using Department approved test procedures, the results of this monitoring shall be included in the calculation and reporting of the data submitted in the DMR.
- c. Calculations for all limitations which require averaging of measurements shall use an arithmetic mean unless otherwise specified in this permit.
- d. Except as specifically provided in Rule 62-160.300, F.A.C., any laboratory test required by this permit shall be performed by a laboratory that has been certified by the Department of Health Environmental Laboratory Certification Program (DOH ELCP). Such certification shall be for the matrix, test method and analyte(s) being measured to comply with this permit. For domestic wastewater facilities, testing for parameters listed in Rule 62-160.300(4), F.A.C., shall be conducted under the direction of a certified operator.
- e. Field activities including on-site tests and sample collection shall follow the applicable standard operating procedures described in DEP-SOP-001/01 adopted by reference in Chapter 62-160, F.A.C.
- f. Alternate field procedures and laboratory methods may be used where they have been approved in accordance with Rules 62-160.220, and 62-160.330, F.A.C.

[62-620.610(18)]

- 18. Reports of compliance or noncompliance with, or any progress reports on, interim and final requirements contained in any compliance schedule detailed elsewhere in this license shall be submitted no later than 14 days following each schedule date. *[62-620.610(19)]*
- 19. The licensee shall report to the Department's Southwest District Office any noncompliance which may endanger health or the environment. Any information shall be provided orally within 24 hours from the time the licensee becomes aware of the circumstances. A written submission shall also be provided within five days of the time the licensee becomes aware of the circumstances. The written submission shall contain: a description of the noncompliance and its cause; the period of noncompliance including exact dates and time, and if the noncompliance has not been corrected, the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent recurrence of the noncompliance.
 - 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 license limitation or results in an unlicensed discharge,
 - (2) Any upset which causes any reclaimed water or the effluent to exceed any limitation in the license,
 - (3) Violation of a maximum daily discharge limitation for any of the pollutants specifically listed in the license 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 WATCH OFFICE TOLL FREE NUMBER (800) 320-0519, as soon as practical, but no later than 24 hours from the time the licensee becomes aware of the discharge. The licensee, to the extent known, shall provide the following information to the State Watch Office:
 - (a) Name, address, and telephone number of person reporting;
 - (b) Name, address, and telephone number of licensee or responsible person for the discharge;
 - (c) Date and time of the discharge and status of discharge (ongoing or ceased);

- (d) Characteristics of the wastewater spilled or released (untreated or treated, industrial or domestic wastewater);
 - (e) Estimated amount of the discharge;
 - (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 Southwest District Office within 24 hours from the time the licensee 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 Southwest District Office shall waive the written report.

[62-620.610(20)]

20. The licensee shall report all instances of noncompliance not reported under conditions VI. 16, 17 or 18 of this attachment at the time monitoring reports are submitted. This report shall contain the same information required by VI.19 of this attachment. [62-620.610(21)]

21. 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 licensee for bypass, unless the licensee 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 licensee submitted notices as required under License Condition IX. 22. c. of this license.
- c. If the licensee 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 licensee shall submit notice of an unanticipated bypass within 24 hours of learning about the bypass as required in License Condition IX. 20. of this license. A notice shall include a description of the bypass and its cause; the period of the bypass, including exact dates and times; if the bypass has not been corrected, the anticipated time it is expected to continue; and the steps taken or planned to reduce, eliminate, and prevent recurrence of the bypass.
- d. The Department shall approve an anticipated bypass, after considering its adverse effect, if the licensee demonstrates that it will meet the three conditions listed in License Condition IX. 22. b.(1) through (3) of this license.
- e. A licensee 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 License Condition IX. 22. b. through d. of this license.

[62-620.610(22)]

22. 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 licensee.
 - (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 license effluent limitations if the requirements of upset provisions of Rule 62-620.610, F.A.C., are met.
- b. A licensee 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 licensee can identify the cause(s) of the upset;
 - (2) The licensed facility was at the time being properly operated;
 - (3) The licensee submitted notice of the upset as required in License Condition IX.5. of this license; and
 - (4) The licensee complied with any remedial measures required under License Condition IX. 5. of this license.
- c. In any enforcement proceeding, the burden of proof for establishing the occurrence of an upset rests with the licensee.
- 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)]



Notes:

- 1- Project No.: 14073X1.01
- 2- Data Source - 2014 FDOT Aerials
- 3- This map is intended to be used for planning purposes only. It is not a survey.

Date: 04/18/2016
Revised:
Checked By: LS

Explanation of Features



 Sample Point

0 1,000
1" = 1,000 Feet



Figure 1
Site Map with Sampling Locations
Cemex Construction Materials Florida, LLC
Florida Power Development, LLC
Hernando County, Florida

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

When Completed mail this report to: Department of Environmental Protection Southwest District Office, Compliance Assurance Program, Industrial Wastewater, 13051 N Telecom Pkwy, Temple Terrace, FL 33637-0926, swd_iw@dep.state.fl.us.

LICENSEE NAME:	CEMEX Construction Materials Florida, LLC and Florida Power Development, LLC	WAFR NUMBER:	FLA012073	
MAILING ADDRESS:	10311 Cement Plant Road Brooksville, Florida 34428	LIMIT:	Final	REPORT FREQUENCY:
		CLASS SIZE:	N/A	PROGRAM:
FACILITY:	Cemex Cement Plant and BPP Biomass Power Plant	MONITORING GROUP NUMBER:	D-001	Annually
LOCATION:	10311 Cement Plant Road Brooksville, Florida 34428	MONITORING GROUP DESCRIPTION:	Perimeter Ditch	Industrial
		RE-SUBMITTED DMR:	☐	
COUNTY:	Hernando	MONITORING PERIOD	From:	To:
OFFICE:	Southwest District		_____	_____

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
Solids, Total Suspended	Sample Measurement										
PARM Code 00530 1 Mon. Site No. SWD-1	Permit Requirement					Report (Max.)		mg/L		Annually	Grab
pH	Sample Measurement										
PARM Code 00400 1 Mon. Site No. SWD-1	Permit Requirement					Report (Max.)		s.u.		Annually	In situ
Aluminum, Total Recoverable	Sample Measurement										
PARM Code 01104 1 Mon. Site No. SWD-1	Permit Requirement					Report (Max.)		mg/L		Annually	Grab
Iron, Total Recoverable	Sample Measurement										
PARM Code 00980 1 Mon. Site No. SWD-1	Permit Requirement					Report (Max.)		mg/L		Annually	Grab
Petrol Hydrocarbons, Total Recoverable	Sample Measurement										
PARM Code 45501 1 Mon. Site No. SWD-1	Permit Requirement					Report (Max.)		mg/L		Annually	Grab
Oil and Grease	Sample Measurement										
PARM Code 00556 1 Mon. Site No. SWD-1	Permit Requirement					Report (Max.)		mg/L		Annually	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: Cemex Cement Plant and BPP Biomass Power Plant

MONITORING GROUP NUMBER: D-001

WAFR NUMBER: FLA012073

MONITORING PERIOD From: To:

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
Solids, Total Dissolved (TDS)	Sample Measurement										
PARM Code 70295 1 Mon. Site No. SWD-1	Permit Requirement						Report (Max.)	mg/L		Annually	Grab
Turbidity	Sample Measurement										
PARM Code 00070 1 Mon. Site No. SWD-1	Permit Requirement						Report (Max.)	mg/L		Annually	Grab

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

When Completed mail this report to: Department of Environmental Protection Southwest District Office, Compliance Assurance Program, Industrial Wastewater 13051 N Telecom Pkwy, Temple Terrace, FL 33637-0926, swd_iw@dep.state.fl.us.

LICENSEE NAME:	CEMEX Construction Materials Florida, LLC and Florida Power Development, LLC	WAFR NUMBER:	FLA012073	
MAILING ADDRESS:	10311 Cement Plant Road Brooksville, Florida 34428	LIMIT:	Final	REPORT FREQUENCY:
		CLASS SIZE:	N/A	PROGRAM:
FACILITY:	Cemex Cement Plant and BPP Biomass Power Plant	MONITORING GROUP NUMBER:	G-001	Semi-annually
LOCATION:	10311 Cement Plant Road Brooksville, Florida 34428	MONITORING GROUP DESCRIPTION:	Cooling Pond #4	Industrial
		RE-SUBMITTED DMR:	☐	
COUNTY:	Hernando	MONITORING PERIOD	From: _____	To: _____
OFFICE:	Southwest District			

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
pH	Sample Measurement										
PARM Code 00400 1 Mon. Site No. PER-1	Permit Requirement						Report (Max.)	s.u.		Semi-annually	In situ
Solids, Total Suspended	Sample Measurement										
PARM Code 00530 1 Mon. Site No. PER-1	Permit Requirement						Report (Max.)	mg/L		Semi-annually	Grab
Water Level Relative to NGVD	Sample Measurement										
PARM Code 82545 1 Mon. Site No. PER-1	Permit Requirement						Report (Max)	ft		Semi-annually	In situ

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):

GROUNDWATER MONITORING REPORT - PART D

Facility Name: Cemex Cement Plant and BPP Biomass Power Plant
 WAFR Number: FLA012073
 County: Hernando
 Office: Southwest District

Monitoring Well ID: MWC-1
 Well Type: Compliance
 Description: MW-CPL-1
 Re-submitted DMR: ☐

Report Frequency: Annually
 Program: Industrial

Monitoring Period From: _____ To: _____ Date Sample Obtained: _____
 Time Sample Obtained: _____

Was the well purged before sampling? ___Yes___No

Parameter	PARM Code	Sample Measurement	Permit Requirement	Units	Sample Type	Frequency of Analysis	Detection Limits	Analysis Method	Sampling Equipment Used	Samples Filtered (L/F/N)
Water Level Relative to NGVD	82545		Report	ft	In situ	Annually				
pH	00400		6.5-8.5	s.u.	In situ	Annually				
Specific Conductance	00095		Report	umhos/cm	In situ	Annually				
Turbidity	00070		Report	NTU	In situ	Annually				
Solids, Total Dissolved (TDS)	70295		500	mg/L	Grab	Annually				

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)

COMMENTS AND EXPLANATION (Reference all attachments here):

GROUNDWATER MONITORING REPORT - PART D

Facility Name: Cemex Cement Plant and BPP Biomass Power Plant
 WAFR Number: FLA012073
 County: Hernando
 Office: Southwest District

Monitoring Well ID: MWC-2R
 Well Type: Compliance
 Description: MW-CPL-2R
 Re-submitted DMR: ☐

Report Frequency: Annually
 Program: Industrial

Monitoring Period From: _____ To: _____

Date Sample Obtained: _____

Time Sample Obtained: _____

Was the well purged before sampling? ___Yes___No

Parameter	PARM Code	Sample Measurement	Permit Requirement	Units	Sample Type	Frequency of Analysis	Detection Limits	Analysis Method	Sampling Equipment Used	Samples Filtered (L/F/N)
Water Level Relative to NGVD	82545		Report	ft	In situ	Annually				
pH	00400		6.5-8.5	s.u.	In situ	Annually				
Specific Conductance	00095		Report	umhos/cm	In situ	Annually				
Turbidity	00070		Report	NTU	In situ	Annually				
Solids, Total Dissolved (TDS)	70295		500	mg/L	Grab	Annually				

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)

COMMENTS AND EXPLANATION (Reference all attachments here):

GROUNDWATER MONITORING REPORT - PART D

Facility Name: Cemex Cement Plant and BPP Biomass Power Plant
 WAFR Number: FLA012073
 County: Hernando
 Office: Southwest District

Monitoring Well ID: MWC-3
 Well Type: Compliance
 Description: MW-CPL-3
 Re-submitted DMR: ☐

Report Frequency: Annually
 Program: Industrial

Monitoring Period From: _____ To: _____ Date Sample Obtained: _____
 Time Sample Obtained: _____

Was the well purged before sampling? ___Yes___No

Parameter	PARM Code	Sample Measurement	Permit Requirement	Units	Sample Type	Frequency of Analysis	Detection Limits	Analysis Method	Sampling Equipment Used	Samples Filtered (L/F/N)
Water Level Relative to NGVD	82545		Report	ft	In situ	Annually				
pH	00400		6.5-8.5	s.u.	In situ	Annually				
Specific Conductance	00095		Report	umhos/cm	In situ	Annually				
Turbidity	00070		Report	NTU	In situ	Annually				
Solids, Total Dissolved (TDS)	70295		500	mg/L	Grab	Annually				

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COMMENTS AND EXPLANATION (Reference all attachments here):

GROUNDWATER MONITORING REPORT - PART D

Facility Name: Cemex Cement Plant and BPP Biomass Power Plant
 WAFR Number: FLA012073
 County: Hernando
 Office: Southwest District

Monitoring Well ID: MWC-4R
 Well Type: Compliance
 Description: MW-CPL-4R
 Re-submitted DMR: ☐

Report Frequency: Annually
 Program: Industrial

Monitoring Period From: _____ To: _____ Date Sample Obtained: _____

Time Sample Obtained: _____

Was the well purged before sampling? ___Yes___No

Parameter	PARM Code	Sample Measurement	Permit Requirement	Units	Sample Type	Frequency of Analysis	Detection Limits	Analysis Method	Sampling Equipment Used	Samples Filtered (L/F/N)
Water Level Relative to NGVD	82545		Report	ft	In situ	Annually				
pH	00400		6.5-8.5	s.u.	In situ	Annually				
Specific Conductance	00095		Report	umhos/cm	In situ	Annually				
Turbidity	00070		Report	NTU	In situ	Annually				
Solids, Total Dissolved (TDS)	70295		500	mg/L	Grab	Annually				

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COMMENTS AND EXPLANATION (Reference all attachments here):

GROUNDWATER MONITORING REPORT - PART D

Facility Name: Cemex Cement Plant and BPP Biomass Power Plant
 WAFR Number: FLA012073
 County: Hernando
 Office: Southwest District

Monitoring Well ID: MWC-5
 Well Type: Compliance
 Description: MW-CPL-5
 Re-submitted DMR: ☐

Report Frequency: Annually
 Program: Industrial

Monitoring Period From: _____ To: _____

Date Sample Obtained: _____

Time Sample Obtained: _____

Was the well purged before sampling? ___Yes___No

Parameter	PARM Code	Sample Measurement	Permit Requirement	Units	Sample Type	Frequency of Analysis	Detection Limits	Analysis Method	Sampling Equipment Used	Samples Filtered (L/F/N)
Water Level Relative to NGVD	82545		Report	ft	In situ	Annually				
pH	00400		6.5-8.5	s.u.	In situ	Annually				
Specific Conductance	00095		Report	umhos/cm	In situ	Annually				
Turbidity	00070		Report	NTU	In situ	Annually				
Solids, Total Dissolved (TDS)	70295		500	mg/L	Grab	Annually				

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

COMMENTS AND EXPLANATION (Reference all attachments here):

GROUNDWATER MONITORING REPORT - PART D

Facility Name: Cemex Cement Plant and BPP Biomass Power Plant
 WAFR Number: FLA012073
 County: Hernando
 Office: Southwest District

Monitoring Well ID: MWC-6
 Well Type: Compliance
 Description: MW-CPL-6
 Re-submitted DMR: ☐

Report Frequency: Annually
 Program: Industrial

Monitoring Period From: _____ To: _____ Date Sample Obtained: _____
 Time Sample Obtained: _____

Was the well purged before sampling? ___Yes___No

Parameter	PARM Code	Sample Measurement	Permit Requirement	Units	Sample Type	Frequency of Analysis	Detection Limits	Analysis Method	Sampling Equipment Used	Samples Filtered (L/F/N)
Water Level Relative to NGVD	82545		Report	ft	In situ	Annually				
pH	00400		6.5-8.5	s.u.	In situ	Annually				
Specific Conductance	00095		Report	umhos/cm	In situ	Annually				
Turbidity	00070		Report	NTU	In situ	Annually				
Solids, Total Dissolved (TDS)	70295		500	mg/L	Grab	Annually				

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

COMMENTS AND EXPLANATION (Reference all attachments here):

GROUNDWATER MONITORING REPORT - PART D

Facility Name: Cemex Cement Plant and BPP Biomass Power Plant
 WAFR Number: FLA012073
 County: Hernando
 Office: Southwest District

Monitoring Well ID: MWC-8R
 Well Type: Compliance
 Description: MW-CPL-8R
 Re-submitted DMR: ☐

Report Frequency: Annually
 Program: Industrial

Monitoring Period From: _____ To: _____ Date Sample Obtained: _____

Time Sample Obtained: _____

Was the well purged before sampling? ___Yes___No

Parameter	PARM Code	Sample Measurement	Permit Requirement	Units	Sample Type	Frequency of Analysis	Detection Limits	Analysis Method	Sampling Equipment Used	Samples Filtered (L/F/N)
Water Level Relative to NGVD	82545		Report	ft	In situ	Annually				
pH	00400		6.5-8.5	s.u.	In situ	Annually				
Specific Conductance	00095		Report	umhos/cm	In situ	Annually				
Turbidity	00070		Report	NTU	In situ	Annually				
Solids, Total Dissolved (TDS)	70295		500	mg/L	Grab	Annually				

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)

COMMENTS AND EXPLANATION (Reference all attachments here):

INSTRUCTIONS FOR COMPLETING THE WASTEWATER DISCHARGE MONITORING REPORT

Read these instructions before completing the DMR. Hard copies and/or electronic copies of the required parts of the DMR were provided with the permit. All required information shall be completed in full and typed or printed in ink. A signed, original DMR shall be mailed to the address printed on the DMR by the 28th of the month following the monitoring period. Facilities who submit their DMR(s) electronically through eDMR do not need to submit a hardcopy DMR. 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, unless indicated otherwise in the permit or on the DMR:

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

PART A -DISCHARGE MONITORING REPORT (DMR)

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

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

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

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

Sample Measurement: Before filling in sample measurements in the table, check to see that the data collected correspond to the limit indicated on the DMR (i.e. interim or final) and that the data correspond to the monitoring group number in the header. Enter the data or calculated results for each parameter on this row in the non-shaded area above the limit. Be sure the result being entered corresponds to the appropriate statistical base code (e.g. annual average, monthly average, single sample maximum, etc.) and units. Data qualifier codes are not to be reported on Part A.

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. Data qualifier codes are not to be reported on Part D.

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

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

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

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

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

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

SPECIAL INSTRUCTIONS FOR LIMITED WET WEATHER DISCHARGES

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

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

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

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

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

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

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

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

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

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

ATTACHMENTS

Attachment E – Domestic Wastewater Treatment Plant Plan

CEMEX Construction Materials Florida, LLC's Brooksville South Cement Plant
and

Florida Power Development, LLC's Steam Electric Generating Plant

WAFR ID No. FLA012042

WASTEWATER TREATMENT:

The licensee may continue to operate an existing 0.006 mgd three month average daily flow (3MADF), Type III, extended aeration domestic wastewater treatment plant (WWTP) consisting of: one (1) aeration basin of 6,313 gallons volume, one (1) clarifier of 1,217 gallons volume and 36 square feet of total surface area, one (1) chlorine contact chamber of 125 gallons volume, and one (1) digester of 450 gallons volume. Disinfection is achieved by using sodium hypochlorite solution. The WWTP is operated to provide secondary treatment with basic disinfection.

REUSE OR DISPOSAL:

Land Application R-001: The Licensee may continue to operate the existing 0.006 mgd annual average daily flow (AADF) capacity industrial use of reclaimed water (R-001) in which disinfected effluent flows to the land-locked tailings/cooling water disposal pond of approximately 640-acres. Land application system R-001 is located approximately at Latitude: 28° 34' 57" N and Longitude: 82° 25' 58" W.

I. RECLAIMED WATER AND EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS**A. Reuse and Land Application Systems**

1. The Licensee are authorized to direct reclaimed water to Reuse System R-001. Such reclaimed water shall be limited and monitored by the Licensee as specified below and reported in accordance with Condition I.B.8.:

Parameter	Units	Max./Min	Limit	Statistical Basis	Frequency of Analysis	Sample Type	Monitoring Site Number	Notes
Flow, To R-001	MGD	Max	0.006	AADF	Monthly	Calculated	FLW-01	See I.A.3
Flow, To R-001	MGD	Max	Report	Monthly Average	2 days/week	Elapsed Time Meter	FLW-01	See I.A.4
BOD, Carbonaceous 5 day, 20C	mg/L	Max	20.0 30.0 60.0	Annual Average Monthly Average Single Sample	Monthly	Calculated Calculated Grab	EFA-01	
Solids, Total Suspended	mg/L	Max	20.0 30.0 60.0	Annual Average Monthly Average Single Sample	Monthly	Calculated Calculated Grab	EFA-01	
Coliform, Fecal	#/100mL	Max	200 800	Annual Average Single Sample	Monthly	Grab	EFA-01	
pH	s.u.	Min Max	6.0 8.5	Single Sample Single Sample	2 days/week	Grab	EFA-01	
Total Residual Chlorine (For Disinfection)	mg/L	Min	0.5	Single Sample	2 days/week	Grab	EFA-01	See I.A.5
Nitrate, Total (as N)	mg/L	Max	12.0	Single Sample	Monthly	Grab	EFA-01	

Attachment E. cont.

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

Monitoring Site Number	Description of Monitoring Site
EFA-01	After disinfection and prior to discharge to R-001
FLW-01	Flow measurement at the master lift station, measuring effluent flow. Effluent flow is assumed to equal influent flow.

3. The annual average daily flow to reuse system R-001, as measured at the master lift station, shall not exceed 0.006 mgd, calculated as a rolling annual average.
4. A designated elapsed time meter for each pump and a known pumping rate for each pump shall be utilized to measure flow and calibrated at least once every 12 months. [62-600.200(25)]
5. Total residual chlorine must be maintained for a minimum contact time of 15 minutes based on peak hourly flow.) [62-600.440(5)(c) and (6)(b)]

B. Other Limitations and Monitoring and Reporting Requirements

1. The domestic wastewater treatment facility shall be limited and monitored by the Licensee as specified below and reported in accordance with Condition I.B.8:

Parameter	Units	Max/Min	Limit	Statistical Basis	Frequency of Analysis	Sample Type	Monitoring Site Number	Notes
Flow, To Plant	MGD	Max	0.006	AADF	Monthly	Elapsed time meters on pumps	FLW-01	See I.B.3
BOD, Carbonaceous 5 day, 20C (Influent)	mg/L	Max	Report	Single Sample	Annually ¹	Grab	INF-01	See I.B.4
Solids, Total Suspended (Influent)	mg/L	Max	Report	Single Sample	Annually ¹	Grab	INF-01	See I.B.4

¹The annual sample shall be collected during the month of February each year.

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

Monitoring Site Number	Description of Monitoring Site
FLW-01	Flow measurement at the master lift station, measuring influent flow. Influent flow is assumed to equal effluent flow.
INF-01	At headworks, prior to treatment and ahead of return activated sludge line

3. The annual average daily flow to the treatment plant shall not exceed 0.006 mgd.
4. Influent samples shall be collected so that they do not contain digester supernatant or return activated sludge, or any other plant process recycled waters. [62-600.660(4)(a)]
5. A designated elapsed time meter for each pump and a known pumping rate shall be utilized to measure flow and calibrated at least once every 12 months. [62-600.200(25)]
6. The sample collection, analytical test methods, and method detection limits (MDLs) applicable to this certification 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 62-600, 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 certification. Any method included in the list may be used for reporting as long as it meets the following requirements:
- 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;
 - The laboratory reported MDL for the specific parameter is less than or equal to the limit or the applicable water quality criteria, if any, stated in Chapter 62-302, F.A.C. Parameters that are listed as “report only” 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
 - If the MDLs for all methods available in the approved list are above the stated 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 Licensee 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.

7. The Licensee shall provide safe access points for obtaining representative samples which are required by this certification. [62-600.650(2)]
8. The Licensee shall complete and submit to the Department Discharge Monitoring Reports (DMRs) in accordance with the frequencies specified by the REPORT type (i.e., monthly, quarterly, semiannual, annual, etc.) indicated on the DMR forms, attached. 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	Submit by
Monthly	first day of month – last day of month	28 th day of following month
Quarterly	January 1 - March 31 April 1 – June 30 July 1 – September 30 October 1 – December 31	April 28 July 28 October 28 January 28
Semiannual	January 1 – June 30 July 1 – December 31	July 28 January 28
Annual	January 1 – December 31	January 28

The Licensee may submit either paper or electronic DMR forms. If submitting paper DMR forms, the Licensee shall make copies of the attached DMR forms, without altering the original format or content unless approved by the Department, and shall mail the completed DMR forms to the address specified below:

Florida Department of Environmental Protection
Southwest District Office
13051 N. Telecom Parkway, Suite 101,
Temple Terrace, Florida 33637-0926

If submitting electronic DMR forms, the Licensee 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)][62-600.680(1)]

14. Unless specified otherwise in this certification, all reports and other information required by this certification, including 24-hour notifications, shall be submitted to or reported to, as appropriate, the Department's Southwest District Office at the address specified below:

Florida Department of Environmental Protection
Southwest District Office
13051 N. Telecom Parkway, Suite 101
Temple Terrace, Florida 33637-0926
swd_dw@dep.state.fl.us

Phone Number - (813) 470-5700
FAX Number - (813) 470-5996

[62-620.305]

15. All reports and other information shall be signed in accordance with the requirements of Rule 62-620.305, F.A.C. [62-620.305]

II. BIOSOLIDS MANAGEMENT REQUIREMENTS

A. Basic Requirements

1. Biosolids generated by this facility may be transferred to a Biosolids Treatment Facility (BTF) or disposed of in a Class I solid waste landfill. Transferring biosolids to an alternative biosolids treatment facility does not require a modification of this certification. However, use of an alternative biosolids treatment facility requires submittal of a copy of the agreement pursuant to Rule 62-640.880(1)(c), F.A.C., along with a written notification to the Department at least 30 days before transport of the biosolids. [62-620.320(6), 62-640.880(1)]
2. The Licensee shall monitor and keep records of the quantities of biosolids generated, received from source facilities, treated, distributed and marketed, land applied, used as a biofuel or for bioenergy, transferred to another facility, or landfilled. These records shall be kept for a minimum of five years. [62-640.650(4)(a)]
3. Biosolids quantities shall be monitored by the Licensee as specified below. Results shall be reported on the Licensee's Discharge Monitoring Report for Monitoring Group RMP-Q in accordance with Condition I.B.8:

Parameter	Units	Max /Min	Limit	Statistical Basis	Frequency of Analysis	Sample Type	Monitoring Site Number
Biosolids Quantity (Transferred)	Dry tons	Max	Report	Monthly Total	Monthly	Calculated	RMP-01
Biosolids Quantity (Landfilled)	Dry tons	Max	Report	Monthly Total	Monthly	Calculated	RMP-02

4. Biosolids quantities shall be calculated as listed in Condition II.A.3 and as described below:

Monitoring Site Number	Description of Monitoring Site Calculation
RMP-01	Quantity of biosolids transferred to Biosolids Treatment Facility
RMP-02	Quantity of biosolids Landfilled

5. The treatment, management, transportation, use, land application, or disposal of biosolids shall not cause a violation of the odor prohibition in subsection 62-296.320(2), F.A.C. [62-640.400(6)]
6. Storage of biosolids or other solids at this facility shall be in accordance with the Facility Biosolids Storage Plan. [62-640.300(4)]
7. Biosolids shall not be spilled from or tracked off the treatment facility site by the hauling vehicle. [62-640.400(9)]

B. Disposal

8. Disposal of biosolids, septage, and “other solids” in a solid waste disposal facility, or disposal by placement on land for purposes other than soil conditioning or fertilization, such as at a monofill, surface impoundment, waste pile, or dedicated site, shall be in accordance with Chapter 62-701, F.A.C. [62-640.100(6)(b) & (c)]

C. Transfer

9. The Licensee shall not be held responsible for treatment and management violations that occur after its biosolids have been accepted by a permitted biosolids treatment facility with which the source facility has an agreement in accordance with subsection 62-640.880(1)(c), F.A.C., for further treatment, management, or disposal. [62-640.880(1)(b)]
10. The Licensee shall keep hauling records to track the transport of biosolids between facilities. The hauling records shall contain the following information:

Source Facility

1. Date and time shipped
2. Amount of biosolids shipped
3. Degree of treatment (if applicable)
4. Name and ID number of treatment facility
5. Signature of responsible party at source facility

Biosolids Treatment Facility or Treatment Facility

1. Date and time received
2. Amount of biosolids received
3. Name and ID number of source facility
4. Signature of hauler
5. Signature of responsible party at treatment facility
6. Signature of hauler and name of hauling firm

A copy of the source facility hauling records for each shipment shall be provided upon delivery of the biosolids to the biosolids treatment facility or treatment facility. The treatment facility Licensee shall report to the Department within 24 hours of discovery any discrepancy in the quantity of biosolids leaving the source facility and arriving at the biosolids treatment facility or treatment facility.

[62-640.880(4)]

D. Receipt

11. If the Licensee intends to accept biosolids from other facilities, a revision is required pursuant to paragraph 62-640.880(2)(d), F.A.C. [62-640.880(2)(d)]

III. ADDITIONAL REUSE AND LAND APPLICATION REQUIREMENTS

A. Part VII Industrial Uses of Reclaimed Water

1. Advisory signs shall be posted around the portions of the industrial site in which reclaimed water is used and at the main entrances to the industrial site to notify employees at the industrial site and the public of the nature of the reclaimed water use. [62-610.658]
2. Cross-connections to the potable water system are prohibited. [62-610.660(1)]
3. There shall be readily identifiable “non-potable” or “do not drink” notices, marking, or coding on application/distribution facilities and appurtenances. [62-610.660(2)]
4. The return of reclaimed water to the reclaimed water distribution system after it has been delivered to the industrial facility is prohibited. [62-610.660(3)]

IV. OPERATION AND MAINTENANCE REQUIREMENTS

A. Staffing Requirements

1. During the period of operation authorized by this certification, the wastewater facilities shall be operated under the supervision of one or more operators certified in accordance with Chapter 62-602, 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, operators with appropriate certification must be on the site as follows:

A Class D or higher operator for 2 visits/week on nonconsecutive days for a total of 1 hour/week. There shall be no more than 5 days between the last visit in one week and the first visit in the next week. The lead/chief operator must be a Class D operator, or higher.

[62-620.630(3)][62-699.310] [62-610.462]

2. An operator meeting the lead/chief operator class for the treatment plant shall be available during all periods of plant operation. “Available” means able to be contacted as needed to initiate the appropriate action in a timely manner. Daily checks of the plant shall be performed by the Licensee or his representative or agent 5 days per week. [62-699.311(1) and (2)]

B. Capacity Analysis Report and Operation and Maintenance Performance Report Requirements

3. Submit an updated capacity analysis report prepared in accordance with Rule 62-600.405, F.A.C. [62-600.405(5)]

C. Recordkeeping Requirements

4. The Licensee shall maintain the following records and make them available for inspection on the site of the 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 certification 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 certification for at least three years from the date the application was filed;
- d. Monitoring information, including a copy of the laboratory certification showing the laboratory certification number, related to the residuals use and disposal activities for the time period set forth in Chapter 62-640, F.A.C., for at least three years from the date of sampling or measurement;
- e. A copy of the current certification conditions;
- f. A copy of the current operation and maintenance manual as required by Chapter 62-600, F.A.C.;
- g. A copy of any required record drawings;
- h. Copies of the licenses of the current certified operators;
- i. Copies of the logs and schedules showing plant operations and equipment maintenance for three years from the date of the logs or schedules. The logs shall, at a minimum, include identification of the plant; the signature and license number of the operator(s) and the signature of the person(s) making any entries; date and time in and out; specific operation and maintenance activities, including any preventive maintenance or repairs made or requested; results of tests performed and samples taken, unless documented on a laboratory sheet; and notation of any notification or reporting completed in accordance with Rule 62-602.650(3), F.A.C. The logs shall be maintained on-site in a location accessible to 24-hour inspection, protected from weather damage, and current to the last operation and maintenance performed; and
- j. Records of biosolids quantities, treatment, monitoring, and hauling for at least five years.

[62-620.350, 62-602.650, 62-640.650(4)]

V. OTHER SPECIFIC CONDITIONS

- 1. In the event that the treatment facilities or equipment no longer function as intended, are no longer safe in terms of public health and safety, or odor, noise, aerosol drift, or lighting adversely affects neighboring developed areas at the levels prohibited by Rule 62-600.400(2)(a), F.A.C., corrective action (which may include additional maintenance or modifications of the facilities) shall be taken by the Licensee. Other corrective action may be required to ensure compliance with rules of the Department. Additionally, the treatment, management, use or land application of residuals shall not cause a violation of the odor prohibition in Rule 62-296.320(2), F.A.C. *[62-600.410(5) and 62-640.400(6)]*
- 2. The deliberate introduction of stormwater in any amount into collection/transmission systems designed solely for the introduction (and conveyance) of domestic/industrial wastewater; or the deliberate introduction of stormwater into collection/transmission systems designed for the introduction or conveyance of combinations of storm and domestic/industrial wastewater in amounts which may reduce the efficiency of pollutant removal by the treatment plant is prohibited, except as provided by Rule 62-610.472, F.A.C. *[62-604.130(3)]*
- 3. Collection/transmission system overflows shall be reported to the Department in accordance with the conditions stated in "Non-compliance Notification". *[62-604.550] [62-620.610(20)]*
- 4. The operating authority of a collection/transmission system and the Licensee of a treatment plant are prohibited from accepting connections of wastewater discharges which have not received necessary pretreatment or which contain materials or pollutants (other than normal domestic wastewater constituents):
 - a. Which may cause fire or explosion hazards; or
 - b. Which may cause excessive corrosion or other deterioration of wastewater facilities due to chemical action or pH levels; or
 - c. Which are solid or viscous and obstruct flow or otherwise interfere with wastewater facility operations or treatment; or
 - d. Which result in the wastewater temperature at the introduction of the treatment plant exceeding 40°C or otherwise inhibiting treatment; or

Attachment E. cont.

- e. Which result in the presence of toxic gases, vapors, or fumes that may cause worker health and safety problems.

[62-604.130(5)]

- 5. The treatment facility, storage ponds for Part II systems, rapid infiltration basins, and/or infiltration trenches shall be enclosed with a fence or otherwise provided with features to discourage the entry of animals and unauthorized persons. *[62-600.400(2)(b)]*
- 6. Screenings and grit removed from the wastewater facilities shall be collected in suitable containers and hauled to a Department approved Class I landfill or to a landfill approved by the Department for receipt/disposal of screenings and grit. *[62-701.300(1)(a)]*
- 7. Where required by Chapter 471 or Chapter 492, F.S., applicable portions of reports that must be submitted under these conditions shall be signed and sealed by a professional engineer or a professional geologist, as appropriate. *[62-620.310(4)]*
- 8. The Licensee shall provide verbal notice to the Department as soon as practical after discovery of a sinkhole or other karst feature within an area for the management or application of wastewater, wastewater residuals (sludges), or reclaimed water. The Licensee shall immediately implement measures appropriate to control the entry of contaminants, and shall detail these measures to the Department in a written report within 7 days of the sinkhole discovery. *[62-620.320(6)]*
- 9. Operation of the domestic waste treatment facility shall be in accordance with 62-620, F.A.C.

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

When Completed mail this report to: Department of Environmental Protection Southwest District Office, Compliance Assurance Program, Domestic Wastewater, 13051 N Telecom Pkwy, Temple Terrace, FL 33637-0926, swd_dw@dep.state.fl.us

PERMITTEE NAME: CEMEX Construction Materials Florida, LLC and Florida Power Development, LLC PERMIT NUMBER: FLA012042

MAILING ADDRESS: 10311 Cement Plant Road
Brooksville, FL 34601

LIMIT: Final
CLASS SIZE: N/A
REPORT: Monthly
GROUP: Domestic

FACILITY: Cemex Cement Plant and FPD Biomass Power Plant

MONITORING GROUP NUMBER: R-001

LOCATION: 10311 Cement Plant Road
Brooksville, FL 34601

MONITORING GROUP DESC: R-001

COUNTY: Hernando

NO DISCHARGE TO R-001: ☐
MONITORING PERIOD From: _____ To: _____

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
Flow, To R-001	Sample Measurement										
PARM Code 50050 Y Mon.Site No. FLW-01	Permit Requirement	0.006 (AADF)		MGD						Monthly	Calculation
Flow, To R-001	Sample Measurement										
PARM Code 50050 1 Mon.Site No. FLW-01	Permit Requirement	Report (Mo.Avg.)		MGD						2 Days/Week	Elapsed Time Meter
BOD, Carbonaceous 5 day, 20C	Sample Measurement										
PARM Code 80082 Y Mon.Site No. EFA-01	Permit Requirement				20.0 (An.Avg.)			mg/L		Monthly	Calculation
BOD, Carbonaceous 5 day, 20C	Sample Measurement										
PARM Code 80082 A Mon.Site No. EFA-01	Permit Requirement				30.0 (Mo.Avg.)	60.0 (Max.)		mg/L		Monthly	Grab
Solids, Total Suspended	Sample Measurement										
PARM Code 00530 Y Mon.Site No. EFA-01	Permit Requirement				20.0 (An.Avg.)			mg/L		Monthly	Calculation
Solids, Total Suspended	Sample Measurement										
PARM Code 00530 A Mon.Site No. EFA-01	Permit Requirement				30.0 (Mo.Avg.)	60.0 (Max.)		mg/L		Monthly	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 (YY/MM/DD)

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

DISCHARGE MONITORING REPORT - PART A (Continued)

FACILITY: Cemex Cement Plant and FPD Biomass Power Plant

MONITORING GROUP

R-001, To Plant

PERMIT NUMBER: FLA012042

Polk County

NUMBER:

MONITORING PERIOD

From: _____ To _____

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
pH	Sample Measurement										
PARM Code 00406 A Mon.Site No. EFA-01	Permit Requirement				6.0 (Min.)		8.5 (Max.)	SU		2 Days/Week	Grab
Coliform, Fecal	Sample Measurement										
PARM Code 74055 Y Mon.Site No. EFA-01	Permit Requirement				200 (An.Avg.)			#/100mL		Monthly	Calculation
Coliform, Fecal	Sample Measurement										
PARM Code 74055 A Mon.Site No. EFA-01	Permit Requirement						800 (Max.)	#/100mL		Monthly	Grab
Total Chlorine Residual (For Disinfection)	Sample Measurement										
PARM Code 50060 A Mon.Site No. EFA-01	Permit Requirement				0.5 (Min.)			mg/L		2 Days/Week	Grab
Nitrogen, Nitrate, Total (as N)	Sample Measurement										
PARM Code 00620 A Mon.Site No. EFA-01	Permit Requirement						12.0 (Max.)	mg/L		Monthly	Grab
Flow, To Plant	Sample Measurement										
PARM Code 50050 Q Mon.Site No. FLW-01	Permit Requirement	0.006 (3MADF)		MGD						2 days/week	Elapsed Time Meter
	Sample Measurement										
	Permit Requirement										

DEPARTMENT OF ENVIRONMENTAL PROTECTION DISCHARGE MONITORING REPORT - PART A

When Completed mail this report to: Department of Environmental Protection Southwest District Office, Compliance Assurance Program, Domestic Wastewater, 13051 N Telecom Pkwy, Temple Terrace, FL 33637-0926, swd_dw@dep.state.fl.us

PERMITTEE NAME: CEMEX Construction Materials Florida, LLC and Florida Power Development, LLC PERMIT NUMBER: FLA012042

MAILING ADDRESS: 10311 Cement Plant Road
Brooksville, FL 34601

LIMIT: Final
CLASS SIZE: N/A
REPORT: Annually
GROUP: Domestic

FACILITY: Cemex Cement Plant and FPD Biomass Power Plant

MONITORING GROUP: To Plant
NUMBER:
MONITORING GROUP DESC: Biosolids Quantity

LOCATION: 10311 Cement Plant Road
Brooksville, FL 34601

COUNTY: Hernando

NO DISCHARGE TO R-001: ☐
MONITORING PERIOD From: _____ To: _____

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
BOD, Carbonaceous 5 day, 20C	Sample Measurement										
PARM Code 80082 G Mon.Site No. INF-01	Permit Requirement				Report (Max)			mg/L		Annually (February)	Grab
Solids, Total Suspended	Sample Measurement										
PARM Code 00530 G Mon.Site No. INF-01	Permit Requirement				Report (Max)			mg/L		Annually (February)	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 (YY/MM/DD)

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 Southwest District Office, Compliance Assurance Program, Domestic Wastewater, 13051 N Telecom Pkwy, Temple Terrace, FL 33637-0926, swd_dw@dep.state.fl.us

PERMITTEE NAME: CEMEX Construction Materials Florida, LLC and Florida Power Development, LLC PERMIT NUMBER: FLA012042

MAILING ADDRESS: 10311 Cement Plant Road
Brooksville, FL 34601

LIMIT: Final
CLASS SIZE: N/A
REPORT: Monthly
GROUP: Domestic

FACILITY: Cemex Cement Plant and FPD Biomass Power Plant

MONITORING GROUP: RMP-Q
NUMBER:

LOCATION: 10311 Cement Plant Road
Brooksville, FL 34601

MONITORING GROUP DESC: Biosolids Quantity

COUNTY: Hernando

NO DISCHARGE TO R-001: ☐
MONITORING PERIOD From: _____ To: _____

Parameter		Quantity or Loading		Units	Quality or Concentration			Units	No. Ex.	Frequency of Analysis	Sample Type
Biosolids Quantity (Landfilled)	Sample Measurement										
PARM Code B0008 + Mon. Site No. RMP-02	Permit Requirement		Report (Mo.Total)	dry tons						Monthly	Calculated
Biosolids Quantity (Transferred)	Sample Measurement										
PARM Code B0007 + Mon. Site No. RMP-01	Permit Requirement		Report (Mo.Total)	dry tons						Monthly	Calculated

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 (YY/MM/DD)

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

DAILY SAMPLE RESULTS - PART B (R-001)

Permit Number: FLA012042 Facility: Cemex Cement Plant and FPD Biomass Power Plant
 Monitoring Period From: _____ To: _____ County: Hernando

	Flow (MGD) To R-001 = To Plant	CBOD5 (mg/L)	TSS (mg/L)	Fecal Coliform Bacteria (#/100mL)	pH (SU)	Total Chlorine Residual (For Disinfect.) (mg/L)	Nitrogen, Nitrate, Total (as N) (mg/L)	Notes
Code	50050	80082	00530	74055	00406	50060	00620	
Mon. Site	FLW-01	EFA-01	EFA-01	EFA-01	EFA-01	EFA-01	EFA-01	
1								
2								
3								
4								
5								
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26								
27								
28								
29								
30								
31								
Total								
Mo. Avg.								

PLANT STAFFING:
 Day Shift Operator Class: _____ Certificate No: _____ Name: _____
 Evening Shift Operator Class: _____ Certificate No: _____ Name: _____
 Night Shift Operator Class: _____ Certificate No: _____ Name: _____
 Lead Operator Class: _____ Certificate No: _____ Name: _____

INSTRUCTIONS FOR COMPLETING THE WASTEWATER DISCHARGE MONITORING REPORT

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

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

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

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

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

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

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

PART A -DISCHARGE MONITORING REPORT (DMR)

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

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.

Add the results to get the Total and divide by the number of days in the month to get the Monthly Average.

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

PART D - GROUND WATER MONITORING REPORT

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

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

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

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

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

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

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

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

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

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

SPECIAL INSTRUCTIONS FOR LIMITED WET WEATHER DISCHARGES

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

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

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

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

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

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

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

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

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

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

ATTACHMENTS

Attachment F – SWFWMD Metering Instructions

Attachment S- SWFWMD Metering Instructions

The Permittee shall meter withdrawals from surface waters and/or the ground water resources, and meter readings from each withdrawal facility shall be recorded on a monthly basis within the last week of the month. The meter reading(s) shall be reported to the Water Use Permitting Bureau on or before the tenth day of the following month. The Permittee shall submit meter readings online using the Permit Information Center at www.swfwmd.state.fl.us/permits/epermitting/ or on District supplied scanning forms unless another arrangement for submission of this data has been approved by the District. Submission of such data by any other unauthorized form or mechanism may result in loss of data and subsequent delinquency notifications. Call the Water Use Permitting Bureau in Tampa (813) 985-7481 if difficulty is encountered.

I. All meters shall adhere to the following descriptions and shall be installed and maintained as follows:

A. All meters shall be non-resettable, totalizing flow meters that have a totalizer of sufficient magnitude to retain total gallon data for a minimum of the three highest consecutive months permitted quantities. If other measuring devices or alternative accounting or reporting methods are proposed, prior to installation, the Licensee shall submit documentation that the other measuring devices or accounting methods meet the accuracy requirement provided below. If the alternative accounting method involves a meter belonging to another entity or to an alternative water supply provider, the Licensee shall submit documentation from the owner/supplier that the meter readings conform to these meter requirements. Such documentation is subject to approval by the SWFWMD. Approval for other measuring devices, accounting methods, or reporting methods must be obtained in writing from the SWFWMD.

1. The flow meter(s) or other approved flow-measuring device(s) shall have and maintain accuracy within five percent of the actual flow as installed.

2. Accuracy testing requirements:

i. For newly metered withdrawal points, the flow meter installation shall be designed for inline field access for meter accuracy testing.

ii. The meter shall be tested for accuracy on-site, as installed, every five years beginning from the date of its installation for new meters or from the date of initial issuance of the Site Certification.

iii. The testing frequency will be decreased if the Licensee demonstrates to the satisfaction of the SWFWMD that a longer period of time for testing is warranted.

iv. The test will be accepted by the SWFWMD only if performed by a person certified on the test equipment used as described in the section entitled Flow Meter Verification, below.

v. If the actual flow is found to be greater than 5% different from the measured flow, within 30 days the Licensee shall have the meter re-calibrated, repaired, or replaced, whichever is necessary. Documentation of the test and a certificate of re-calibration, if applicable, shall be submitted within 30 days of each test or re-calibration.

B. The meter shall be installed according to the manufacturer's instructions for achieving accurate flow to the specifications above, or it shall be installed in a straight length of pipe where there is at least an upstream length equal to ten (10) times the outside pipe diameter and a downstream length equal to two (2) times the outside pipe diameter. Where there is not at least a length of ten diameters upstream available, flow straightening vanes shall be used in the upstream line. Existing systems that would require retrofitting to achieve the above standards will not be required to retrofit provided it is documented on the Meter Accuracy Verification Form, Form No. LEG-R.014.00 (07/08) that the flow meter is accurately and reliably measuring flow over different flow ranges or for the permanent operating flow.

C. If a metered withdrawal point, AWS inflow line or re-pump withdrawal point is not utilized during a given month, the meter report shall be submitted to the SWFWMD showing the same meter reading that was submitted the previous month.

D. Broken or malfunctioning meter:

If the meter or other flow-measuring device malfunctions or breaks, the Licensee shall:

1. Notify the SWFWMD within 15 days of discovering the malfunction or breakage;
2. Replace the broken or malfunctioning meter with a repaired or new meter, subject to the specifications given above, within 30 days of the discovery; and
3. Submit estimates of their pumpage as described below.

If the meter is removed from the withdrawal point for any other reason, it shall be replaced with another meter having the same specifications given above, or the meter shall be reinstalled within 30 days of its removal from the withdrawal. In either event, the withdrawal point shall not lack a fully functioning meter for more than 60 consecutive days.

E. While the meter is not functioning correctly, the Licensee shall document the total amount of time in minutes that the withdrawal point was used for each month and multiply those minutes times the pump capacity (in gallons per minute) for total gallons. The estimate of the number of gallons used each month during that period shall be submitted on SWFWMD scanning forms and noted as estimated per instructions on the form. If the data are submitted by another approved method, the fact that it is estimated must be indicated. The reason for the necessity to estimate pumpage shall be reported with the estimate.

F. In the event a new meter is installed to replace a broken meter, the meter and its installation shall meet the specifications of the SWFWMD. The Licensee shall notify the SWFWMD of the replacement with the first submittal of meter readings from the new meter.

[Sections 373.016, 373.219, 373.223(1), 373.236, F.A.C.; Rules 40D-2.301(1), (3), 40D-2.381(1), (4); F.A.C.; B.O.R., Sections 5.1, 6.2]

II. FLOW METER ACCURACY TEST INSTRUCTIONS

A. Accuracy Test Due Date - The Permittee is to schedule their accuracy test according to the following schedule:

1. For existing metered withdrawal points, add five years to the previous test year, and make the test in the month assigned to your county.

2. For withdrawal points for which metering is added for the first time, the test is to be scheduled five years from the issue year in the month assigned to your county.

3. For proposed withdrawal points, the test date is five years from the completion date of the withdrawal point in the month assigned to your county.

4. For the Permittee's convenience, if there are multiple due-years for meter accuracy testing because of the timing of the installation and/or previous accuracy tests of meters, the Permittee can submit a request in writing to the Permitting Department Director for one specific year to be assigned as the due date year for meter testing. Permittees with many meters to test may also request the tests to be grouped into one year or spread out evenly over two to three years.

The months for accuracy testing of meters are assigned by county. The Permittee is requested but not required to have their testing done in the month assigned to their county. This is to have sufficient District staff available for assistance.

January	Hillsborough
February	Manatee, Pasco
March	Polk (for odd numbered permits)*
April	Polk (for even numbered permits)*
May	Highlands
June	Hardee, Charlotte
July	None or Special Request
August	None or Special Request
September	Desoto, Sarasota
October	Citrus, Levy, Lake
November	Hernando, Sumter, Marion
December	Pinellas

* The permittee may request their multiple permits be tested in the same month.

III. Accuracy Test Requirements: The Permittee shall test the accuracy of flow meters on permitted withdrawal points as follows:

A. The equipment water temperature shall be set to 72 degrees Fahrenheit for ground water, and to the measured water temperature for other water sources.

B. A minimum of two separate timed tests shall be performed for each meter . Each timed test shall consist of measuring flow using the test meter and the installed meter for a minimum of four minutes duration. If the two tests do not yield consistent results, additional tests shall be performed for a minimum of eight minutes or longer per test until consistent results are obtained.

C. If the installed meter has a rate of flow, or large multiplier that does not allow for consistent results to be obtained with four- or eight-minute tests, the duration of the test shall be increased as necessary to obtain accurate and consistent results with respect to the type of flow meter installed.

D. The results of two consistent tests shall be averaged, and the result will be considered the test result for the meter being tested. This result shall be expressed as a plus or minus percent (rounded to the nearest one-tenth percent) accuracy of the installed meter relative to the test meter. The percent accuracy indicates the deviation (if any), of the meter being tested from the test meter.

IV. Accuracy Test Report: The Permittees shall demonstrate that the results of the meter test(s) are accurate by submitting the following information within 30 days of the test:

A. A completed Flow Meter Accuracy Verification Form, Form LEG-R.014.00 (07/08) for each flow meter tested. This form can be obtained from the District's website (www.watmatters.org) under "ePermitting and Rules" for Water Use Permits.

B. A printout of data that was input into the test equipment, if the test equipment is capable of creating such a printout;

C. A statement attesting that the manufacturer of the test equipment, or an entity approved or authorized by the manufacturer, has trained the operator to use the specific model test equipment used for testing;

D. The date of the test equipment's most recent calibration that demonstrates that it was calibrated within the previous twelve months, and the test lab's National Institute of Standards and Testing (N.I.S.T.) traceability reference number.

E. A diagram showing the precise location on the pipe where the testing equipment was mounted shall be supplied with the form. This diagram shall also show the pump, installed meter, the configuration (with all valves, tees, elbows, and any other possible flow disturbing devices) that exists between the pump and the test location clearly noted with measurements. If flow straightening vanes are utilized, their location(s) shall also be included in the diagram.

F. A picture of the test location, including the pump, installed flow meter, and the measuring device, or for sites where the picture does not include all of the items listed above, a picture of the test site with a notation of distances to these items. with a notation of distances to these items.

V. WATER LEVEL INSTRUCTIONS

The staff gauge(s) shall be surveyed according to instructions given on the District website and referenced to the North American Vertical Datum 1988, and a copy of the survey indicating the datum reference shall be submitted with the first water level data report. The staff gauge(s) shall be scaled in one-tenth foot increments and shall be sized and placed so as to be clearly visible from an easily accessible point of land. Water levels shall be recorded on a frequency as indicated in the table provided in the special condition and reported to the Permit Data Section, Performance Management Office, online via the WUP Portal at the District website or in hardcopy on District -provided forms on or before the tenth day of the following month. To the maximum extent possible, water levels shall be recorded on a regular schedule as indicated in the recording timetable below. The frequency of recording may be modified by the Regulation Department Director, Resource Regulation, as necessary to ensure the protection of the resource.

Water Level Recording Timetable

Frequency	Recording Schedule
Daily	Same time of each day
Weekly	Same day of each week
Monthly	Same week of each month
Quarterly	Same week of months specified