

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

Florida Power Development, 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, Cememx Construction Materials Florida LLL (Cemex) and Florida Power Development, LLC (FPD), 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 FPD biomass power plant. The FPD 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 FPD 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 FPD 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.

FPD 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 FPD 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 FPD 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 FPD 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 FPD 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

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

			Reclaimed Water Limitations		Monitoring Requirements		
Parameter	Units	Max/Min	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

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

			Reclaimed Water Limitations		Monitoring Requirements		
Parameter	Units	Max/Min	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

- 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

- 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 surface 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:	Annually
FACILITY:	Cemex Cement Plant and FPD Biomass Power Plant	CLASS SIZE:	N/A	PROGRAM:	Industrial
LOCATION:	10311 Cement Plant Road Brooksville, Florida 34428	MONITORING GROUP NUMBER:	D-001		
		MONITORING GROUP DESCRIPTION:	Perimeter Ditch		
		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 FPD 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:
FACILITY:	Cemex Cement Plant and FPD Biomass Power Plant	CLASS SIZE:	N/A	PROGRAM:
LOCATION:	10311 Cement Plant Road Brooksville, Florida 34428	MONITORING GROUP NUMBER:	G-001	Semi-annually
COUNTY:	Hernando	MONITORING GROUP DESCRIPTION:	Cooling Pond #4	Industrial
OFFICE:	Southwest District	RE-SUBMITTED DMR:	☐	
		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 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 FPD 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

[illegible]

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 FPD 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 FPD 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

[illegible]

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 FPD 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

[illegible]

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 FPD 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				

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)
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COMMENTS AND EXPLANATION (Reference all attachments here):

GROUNDWATER MONITORING REPORT - PART D

Facility Name: Cemex Cement Plant and FPD 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

[illegible]

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 FPD 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.