

ATTACHMENT G
Summary of Specific Domestic Wastewater Facility Information
and Associated Requirements

TREATMENT FACILITIES:

This is an existing 0.034 million gallons per day (MGD) annual average daily flow (AADF) capacity domestic wastewater facility. The treatment plant is an extended aeration facility with influent screening, aeration, clarification, chlorination and an aerated biosolids holding tank.

REUSE AND LAND APPLICATION SYSTEM:

This is an existing land application and reuse system, R-001, that consists of a 93-acre unlined cooling water make-up pond. The pond receives water from this facility and from the OCUD/Eastern WRF

Samples shall be taken at the monitoring site locations as described below:

Monitoring Location Site Number	Description of Monitoring Location
FLW-1	Elapsed Time Meters on lift station pumps
EFA-1	Final Effluent after chlorination
INF-1	Raw Influent to treatment plant

GROUND WATER MONITORING:

The Licensee is required to monitor groundwater as specified in Section B.I.A of the Conditions.

BIOSOLIDS MANAGEMENT:

The method of biosolids management by this facility is transport to a DEP permitted Biosolids Treatment Facility or disposal in a Class I or II solid waste landfill.

OPERATOR STAFFING AND RECORDKEEPING:

In accordance with Chapter 62-699, F.A.C., this facility is a Category III, Class C facility and, at a minimum, operators with appropriate certification must be on the site as follows:

Staffing by Class C or higher operator: 1/2 hour/day for 5 days/week and one visit each weekend

An operator meeting the lead operator classification level of the 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.

The Licensee shall maintain records and make them available for inspection as specified in Section A.X of the Conditions.

REPORT DUE DATES:

Type of Report	DEP Form No.	Due Date
Discharge Monitoring Reports (DMRs)	See attached DMR	28 th day of the month following the reporting month

Additional requirements that apply to this facility are shown on the following pages 2-5.

Part I. Reclaimed Water Requirements**A. Reclaimed Water Limitations**

1. The Licensee is authorized to direct reclaimed water to the reuse system. Such reclaimed water shall be limited and monitored by the Licensee as specified below:

Parameter	Units	Max./Min.	Reclaimed Water Limitations			
			Annual Average	Monthly Average	Weekly Average	Single Sample
Flow	MGD	Maximum	See 5. below			
Percent Capacity, (TMADF/Capacity) x 100	%	Maximum	-	Report (Mo.Total)	-	-
BOD, Carbonaceous 5 day, 20C (Influent)	MG/L	Maximum	-	Report	-	-
Solids, Total Suspended (Influent)	MG/L	Maximum	-	Report	-	-
BOD, Carbonaceous 5 day, 20C (Effluent)	MG/L	Maximum	20.0	30.0	45.0	60.0
Solids, Total Suspended (Effluent)	MG/L	Maximum	20.0	30.0	45.0	60.0
Coliform, Fecal	See 6. Below					
pH	SU	Range	-	-	-	6.0-8.5
Total Residual Chlorine (For Disinfection)	MG/L	Minimum	-	-	-	1.0*
Nitrogen, Nitrate, Total (as N)	MG/L	Maximum	-	-	-	12.0
*A minimum chlorine residual of 1.0 mg/L in the reclaimed water is required due to the use as cooling-water, in lieu of providing high level disinfection, as allowed by Rule 62-610.668, FAC.						

2. Monitoring frequencies shall be in accordance with Chapter 62-600, F.A.C., and **the DMR**.
3. Sample types shall be in accordance with Chapter 62-600 F.A.C., and **the DMR**.
4. Samples shall be taken at the monitoring site locations described in Reuse and Land Application System on page 1 of **Attachment G** and identified **on the DMR**.
5. Elapsed time meters on lift station pumps shall be calibrated at least annually. [62-600.200(25)]
6. The arithmetic mean of the monthly fecal coliform values collected during an annual period shall not exceed 200 per 100 mL of reclaimed water sample. The geometric mean of the fecal coliform values for a minimum of 10 samples of reclaimed water, each collected on a separate day during a period of 30 consecutive days (monthly), shall not exceed 200 per 100 mL of sample. No more than 10 percent of the samples collected during a period of 30 consecutive days shall exceed 400 fecal coliform values per 100 mL of sample. Any one sample shall not exceed 800 fecal coliform values per 100 mL of sample. The effluent limitation for the monthly geometric mean for fecal coliform is only applicable if 10 or more values are reported. If fewer than 10 values are reported, the monthly geometric mean shall be calculated and reported on the Discharge Monitoring Report to be used to calculate the annual average
7. A minimum of 1.0 mg/L total residual chlorine must be maintained for a minimum contact time of 15 minutes based on peak hourly flow.
8. Parameters shall be analyzed in accordance with Rule 62-620.610(18), F.A.C.
9. The Licensee shall provide safe access points for obtaining representative influent, reclaimed water, and effluent samples.

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

B. Land Application Requirements

1. Routine aquatic weed control and regular maintenance of storage pond embankments and access areas are required.
2. Overflows from emergency discharge facilities on storage ponds or on absorption fields or on infiltration ponds, basins, or trenches shall be reported as an abnormal event to the Department within 24 hours of an occurrence. The provisions of Rule 62-610.800(9), F.A.C., shall be met.

Part II. Biosolids Management Requirements

1. The Licensee shall be responsible for proper treatment, management, and disposal of its biosolids.
2. Disposal in a Class I or II solid waste landfill shall be in accordance with Chapter 62-701, F.A.C.
3. Storage of biosolids or other solids at CHSEC shall require prior written notification to the Department if:
 - a. Storage provisions were not addressed in the facility's preliminary design report, or
 - b. Storage lasts longer than 30 days.
4. The Licensee shall not be held responsible for treatment, management, use, or land application violations that occur after its biosolids have been accepted by a permitted biosolids management facility with which the source facility has an agreement in accordance with Rule 62-640.880(1)(c), F.A.C., for further treatment, management, use or land application.
5. The Licensee shall keep records to track the transport of its biosolids to a biosolids management facility or to another permitted facility for treatment and disposal. The records shall contain the following information:
 - a. Date and Time Shipped
 - b. Amount of Biosolids Shipped
 - c. Degree of Treatment (if applicable)
 - d. Name and ID Number of Biosolids Management Facility or Another Treatment Facility
 - e. Signature of Responsible Party at Source Facility
 - f. Signature of Hauler and Name of Hauling Firm

These records shall be kept for five years and shall be made available for inspection upon request by the Department. A copy of the information shall be provided upon delivery of the biosolids to the biosolids management facility or treatment facility.

Part III - Other Requirements

1. The Licensee shall report to the Department any noncompliance which may endanger health or the environment in accordance with Rule 62-620.610(20), F.A.C.
2. The Licensee shall maintain the following records and make them available for inspection as specified in Section A.X of the Conditions:
 - a. Records of all compliance monitoring information, including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation and 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 Attachment G for at least three years from the date the report was prepared;
 - c. A copy of the current operation and maintenance manual as required by Chapter 62-600, F.A.C.;
 - d. A copy of the facility record drawings;
 - e. Copies of the licenses of the current certified operators; 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. The logs shall, at a minimum, include identification of the plant; the signature and certification 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; tests performed and samples taken; and major repairs made. 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.
3. If the Licensee wishes to make a minor modification to the wastewater facility, the Licensee shall provide a description of the proposed modification, including any reports, plans, and specifications which have been developed to implement the modification. Requests for minor modifications shall be submitted as specified in Section A. XXIII. of the Conditions, and using DEP Form 62-620.910(9).
4. Florida water quality criteria and standards shall not be violated as a result of land application of reclaimed water from this facility.
5. 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 permitted facilities) shall be taken by the Licensee. Other corrective action may be required to ensure compliance with rules of the Department.
6. 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.
7. Collection/transmission system overflows shall be reported to the Department in accordance with Rule 62-604.550(2)(a), F.A.C.
8. 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
 - e. Which result in the presence of toxic gases, vapors, or fumes that may cause worker health and safety problems.
9. The treatment facility, storage ponds, 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.
10. 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.
11. The Licensee shall provide adequate notice to the appropriate office of the Department of the following:
 - a. Any new introduction of pollutants into the facility from an industrial discharger which would be subject to Chapter 403, F.S., and the requirements of Chapter 62-620, F.A.C., if it were directly discharging those pollutants; and

- b. Any substantial change in the volume or character of pollutants being introduced into that facility by a source which was identified in the application and known to be discharging at the time the Conditions was issued.

Adequate notice shall include information on the quality and quantity of effluent introduced into the facility and any anticipated impact of the change on the quantity or quality of effluent or reclaimed water to be discharged from the facility.

- 12. All of the General Conditions found in Rule 62-620.610, FAC, shall apply.