

State of Florida



Public Service Commission

CAPITAL CIRCLE OFFICE CENTER • 2540 SHUMARD OAK BOULEVARD
TALLAHASSEE, FLORIDA 32399-0850

-M-E-M-O-R-A-N-D-U-M-

12 NOV 30 PM 2:00

RECEIVED-FPSC

COMMISSION
CLERK

DATE: November 30, 2012
TO: Ann Cole, Commission Clerk, Office of Commission Clerk
FROM: James E. McRoy, Utility System/Engineering Specialist, Division of Engineering
RE: Docket No. 120152-WS; Application for increase in water and wastewater rates in Orange County by Pluris Wedgefield, Inc.

Attached is the most recent Department of Environmental Protection (DEP) Compliance Evaluation Inspection (CEI) report for Pluris Wedgefield, Inc. Please place the attached documents in the docket file.

Should you have any questions, regarding this matter, please contact me.

Attachments

DOCUMENT NUMBER-DATE

07929 NOV 30 2012

FPSC-COMMISSION CLERK



Florida Department of Environmental Protection

Central District
3319 Maguire Boulevard, Suite 232
Orlando, Florida 32803-3767

Rick Scott
Governor

Jennifer Carroll
Lt. Governor

Herschel T. Vinyard Jr.
Secretary

August 15, 2012

PLURIS WEDGEFIELD INC
2600 COMMERCENTRE DRIVE
LAKE FOREST CA 92630

OCD-C-WW-12-0457

ATTENTION MAURICE W GALLARDA
PRESIDENT

Orange County - DW
Wedgfield WWTF
Wastewater Facility - Permit No. FLA010900

Dear Mr. Gallarda:

On July 19, 2012, Department personnel conducted a routine inspection of your wastewater facility. At the time of the inspection, the overall operation of your facility was found to be in substantial compliance with the terms and conditions in Permit Number FLA010900. Please review the enclosed inspection report and correct any deficiencies, which have been noted.

Your continued cooperation with our wastewater program is appreciated. If you have any questions, please contact William Hesser at the above address or at 407-897-4170.

Sincerely,

Gary P. Miller
Program Manager
Wastewater Compliance/Enforcement

GM/wh/aa

Enclosure: Inspection Report

cc: Orange County Environmental Protection Division, Dan.Homblette@ocfl.net
Orange County Environmental Protection Division, Chris.Schroettinger@ocfl.net
Roger Holsapple, Project Manager, rholsapple@plurisusa.com

INSPECTION FINDINGS

9. Effluent Quality: OUT OF COMPLIANCE

- 9.1 Observation: Discharge Monitoring Reports (DMRs) were reviewed from October, 2011 through June, 2012 with the following effluent quality deficiency observed:
 - A Total Suspended Solids (TSS) value of 7.0 milligrams per liter (mg/L) was reported at R-001 on the April, 2012 DMR, which exceeded the permitted limit of 5.0 mg/L. This exceedance was properly reported to the Department, and was part of a significant plant upset condition that lasted for twelve days. It is unknown what caused this plant upset, but is thought to be something toxic that was introduced at some point in the collection system. The turbidity increased on April 6 resulting in automatic diversion to the reject pond. The reject pond was filled to capacity during this event, and approximately 75,000 gallons of substandard water overflowed from this pond to adjacent grassy and wooded areas. No surface waters were affected. No further response is required for this issue.

10. Effluent Disposal: IN COMPLIANCE

- The on-site storage reclaimed water storage pond appeared well maintained with approximately two feet of available freeboard. All pumps and piping appeared adequately maintained.
- The reject storage pond appeared well maintained with more than two feet of available freeboard.
- *Reuse* - All plastic reclaimed water piping, pipelines, valves, outlets, and other appurtenances were color-coded Pantone Purple. Warning signs were posted at the golf course.

11. Residuals/Sludge: IN COMPLIANCE

- 11.1 Observation: *General* - No problems or deficiencies were observed. Sludge is decanted and dewatered via gravity screening. Contract with Shelley's.

12. Groundwater Quality: IN COMPLIANCE

- 12.1 Observation: A review of the groundwater files for this facility indicates no deficiencies at this time.

13. Other: NOT EVALUATED

- 13.1 Observation: No observations were recorded.

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

WASTEWATER COMPLIANCE INSPECTION REPORT

FACILITY AND INSPECTION INFORMATION @ = Optional

Name and Physical Location of Facility Pluris Wedgefield, Inc. 3100 Bancroft Blvd Orlando, FL 32833 - 4011	WAFR ID: FLA010900	County Orange Phone (949) 454-7104	Entry Date/Time 7/19/2012 7:14:00 AM @ Exit Date/Time 7/19/2012 10:52:00 AM
Name(s) of Field Representatives(s) Roger Holsapple	Title Project Manager	Email	Phone
Name and Address of Permittee or Designated Representative Maurice W Gallarda 2600 Commercecentre Drive Lake Forest, FL 92630	Title President Email	Phone (949) 454-7104	@ Operator Certification #

Inspection Type	<input type="checkbox"/> C	<input type="checkbox"/> E	<input type="checkbox"/> I	<input type="checkbox"/>	Samples Taken(Y/N): N	@ Sample ID#:	Samples Split (Y/N): N
<input checked="" type="checkbox"/> Domestic	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Were Photos Taken(Y/N): Y	@ Log book Volume : eIP	@ Page

FACILITY COMPLIANCE AREAS EVALUATED

IC = In Compliance; NC = Out of Compliance; SC = Significant out of Compliance; NA = Not Applicable; NE = Not Evaluated
Significant Non-Compliance Criteria Should be Reviewed when Out of Compliance Ratings Are Given in Areas Marked by a "♦"

	PERMITS/ORDERS		SELF MONITORING PROGRAM		FACILITY OPERATIONS		EFFLUENT/DISPOSAL
IC	1. ♦ Permit	NE	3. Laboratory	IC	6. Facility Site Review	NC	9. ♦ Effluent Quality
IC	2. ♦ Compliance Schedules	IC	4. Sampling	IC	7. Flow Measurement	IC	10. ♦ Effluent Disposal
		IC	5. ♦ Records & Reports	IC	8. ♦ Operation & Maintenance	IC	11. Residuals/Sludge
						IC	12. Groundwater
NA	14. Other:					NE	13. ♦ SSO Survey

Facility and/or Order Compliance Status:	In-Compliance	<input checked="" type="checkbox"/> Out-Of-Compliance	<input type="checkbox"/> Significant-Out-Of-Compliance
Recommended Actions: Letter			
Name(s) and Signature(s) of Inspector(s) William Hesser	District Office/Phone Number Central District (407) 893-3313	Date August 8, 2012	
@ Signature of Reviewer David Smicherko	District Office/Phone Number Central District (407) 893-3313	Date August 10, 2012	

Single Event Violation Codes(s):

INSPECTION SUMMARY

Facility Name: Pluris Wedgefield, Inc.

Facility ID: FLA010900

Inspection Type: CEI

Date: 7/19/2012 10:52:00 AM

FACILITY BACKGROUND:

Address: 3100 Bancroft Blvd, Orlando, FL 32833 - 4011, Orange County

Permit Information: Wastewater Permit issued: 1/29/2010, and expires: 1/28/2015

Treatment Summary: Twin Contact Stabilization Ring Steel Stp's, 2 Filters w/Eff to Golf Course

Permitted Capacity: 0.368 MGD

1. Permit: IN COMPLIANCE

1.1 Observation: A copy of the permit was on-site and available to plant personnel.

2. Compliance Schedules: NOT APPLICABLE

2.1 Observation: No observations were recorded.

3. Laboratory: NOT EVALUATED

3.1 Observation: No observations were recorded.

4. Sampling: IN COMPLIANCE

4.1 Observation: Please see specific comments

- Sample points are appropriate, and are as described in the permit.
- Influent samples are manually composited from grab samples according to calculations from flow data.
- Effluent is sampled via an ISCO 3710 automatic sampler set to pull eight-hour, flow-proportioned samples. The sampler was not operating at the time of the inspection. Aliquots are meeting the required 100 mL minimum volume requirement. The effluent sampler was 3.0 degrees C at the time of the inspection.
- Inline instruments are checked daily against field instruments. All data is appropriately logged.
- The calibration of the field turbidity meter is checked daily. The standards are verified quarterly by the contract laboratory. All data is appropriately logged.
- The calibration of the field residual chlorine meter is checked daily with gel standards. Gel standards are verified quarterly against primary standards by the contract laboratory. All data is appropriately logged.
- The field pH meter is calibrated daily; buffers (4.0, 7.0, 10.0) are within appropriate use dates. All data is appropriately logged.
- The sample refrigerator was 3.0 degrees C at the time of the inspection. All compliance thermometers are checked daily and the results are logged.
- Temperature measurement devices are routinely checked against a (NIST) certified thermometer.
- Alarm set points for diversion from reuse are as described in the current Operating Protocol.

5. Records and Reports: IN COMPLIANCE

5.1 Observation: Please see specific comments

- A bound logbook with pre-numbered pages was on-site and contained excellent entries.
- Facility operation and maintenance manuals were on-site and current.
- Sludge hauling records are retained on-site.
- Operator certifications were on-site for Roger Holsapple C8863; and Larry White C7605.
- Operations and Maintenance manuals were on-site.

INSPECTION FINDINGS

- Effluent quality data is maintained on-site for at least three years.
- Current laboratory certification on-site for Advanced Environmental Laboratories of Orlando (E53076).
- The most recent pathogen monitoring report was received by the Department on January 13, 2012 for samples collected on December 19, 2011. Results: *Giardia* 1 potentially viable cyst per 100 Liters of sample; *Cryptosporidium* < 1 oocyst per 100 Liters of sample.
- The most recent Effluent Analysis Report was submitted on July 19, 2012 for the year ending December 31, 2011 (no new non-domestic dischargers added).
- The most recent Annual Reuse Report was submitted on December 16, 2011 for the period ending September 30, 2011.
- A current Operating Protocol dated January, 2009 was available on-site.
- Spills and malfunctions have been reported properly.
- Discharge Monitoring Reports (DMRs) were reviewed from October, 2011 through June, 2012 with no record keeping deficiencies observed.

6. Facility Site Review: IN COMPLIANCE

- 6.1 Observation: General - The facility grounds were secured properly.
- 6.2 Observation: General - The facility grounds were clean and well maintained.
- 6.3 Observation: Backflow Prevention - A reduced pressure zone backflow prevention device was in place on the potable water supply line, and appeared well maintained.
- 6.4 Observation: Aeration Basins/Act. Sludge - The contents in the aeration chambers appeared to be well mixed.
- 6.5 Observation: Alternate Power - An alternative power source is available at the WWTF. The on-site generator is exercised weekly, and records of the tests are retained on-site.
- 6.9 Observation: Blowers/Motors - The blowers were operational at the time of the inspection. Blowers appeared well-maintained.
- 6.10 Observation: Clarifiers - The weirs in the west plant appeared clean and level. Some floating solids present. New weirs have been installed in the east plant.
- 6.11 Observation: Digesters - The tank contents in the aerobic digester were well mixed. No odors observed.
- 6.12 Observation: Disinfection - The chlorine contact chambers were providing a minimum contact time of 15 minutes. Floating covers are present on the CCCs to prevent algae growth and reduce chlorine usage.
- 6.13 Observation: Filtration - No problems or deficiencies noted. Cloth filters and sand filters appeared well maintained.
- 6.14 Observation: Headworks - Screening and grit are being collected in suitable containers. Screening and grit are being disposed of at a Class I landfill. A record of disposal for the screenings and grit collected at the headworks was available for review.
- 6.17 Observation: Headworks - There were no excessive odors emanating from the headworks at the time of the inspection.
- 6.18 Observation: Surge Tanks - Adequate freeboard and aeration observed. **Some moderate corrosion observed on the wall separating the east equalization basin and other process basins. This wall also appeared to have some possible structural deviation, with some separation of welds in the support structures observed. The structural condition of this portion of the plant should be reviewed by a professional engineer as soon as possible.**

7. Flow Measurement: IN COMPLIANCE

- 7.1 Observation: The flow measurement devices appeared to be installed properly. The primary effluent flow measuring device is a 90-degree v-notch weir. The secondary effluent flow measuring device is an ISCO3010 ultrasonic. Most recent calibration May 1, 2012 by Frank Ellis.
- 7.2 Observation: The golf course irrigation meter is a McCrometer closed channel flow meter. Most recent calibration May 1, 2012 by Frank Ellis.

8. Operation and Maintenance: IN COMPLIANCE

- 8.1 Observation: General - The facility appeared to be operated and maintained in accordance with the description in the Permit.