



Public Service Commission

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

DATE: January 14, 1999

TO: Division of Records and Reporting

FROM: Patricia Brady, Division of Water and Wastewater

pb BBW MW

RE: Docket No. 980731-WS, Application for certificates to provide water and wastewater service in Charlotte County by Hunter Creek Utilities, LLC.

Please add to the docket file the attached letter dated January 5, 1999 from Mr. Andrew R. Barienbrock, Environmental Manager, Florida Department of Environmental Protection. Mr. Barienbrock's letter was in response to staff's December 11, 1998 request for information on the status of the utility's wastewater systems. Thank you.

Attachment

cc: Division of Legal Services (Ferguson)

- ACK _____
- AFA _____
- APP _____
- CAF _____
- CMU _____
- CTR _____
- EAG _____
- LEG _____
- LIN _____
- OPC _____
- RCH _____
- SEC 1
- WAS _____
- OTH _____

DOCUMENT NUMBER-DATE

00543 JAN 14 99

FPSC-RECORDS/REPORTING



Department of Environmental Protection

South District
P.O. Box 2549
Fort Myers, Florida 33902-2549

RECEIVED
JAN 6 1 52 PM '99

ADMINISTRATION
MAIL ROOM
Kirby B. Green, III
Virginia B. Vetterell
Secretary

January 5, 1999

Ms. Pat Brady
C/O The Director
Division of Records and Reporting
Florida Public Service Commission
2540 Shumard Oak Boulevard
Tallahassee, FL 32399-0850

RECEIVED
JAN - 8 1999
Florida Public Service Commission
Division of Water and Wastewater

Re: Charlotte County - DW
Rivers Edge WWTP (AKA Hunters
Creek Utilities, LLC)
DO08-256538
PSC DOCKET No. 980731-WS

Dear Ms. Brady:

Thank you for your correspondence dated December 11, 1998. The Department has reviewed your requests and provides the following comments:

1. The current capacity of the existing plant is 0.015 million gallons per day (MGD), annual average daily flow (AADF).
2. The facility has applied to expand the current capacity to 0.060 MGD AADF. This application is currently being processed. The Department recently requested that the applicant submit additional information to provide reasonable assurance that the expanded facility will meet Department Rules and Regulations.
3. There are several issues that the applicant is required to address before a permit can be issued. Those items are listed below:
 - a. The proposed percolation ponds are within 500 feet of several potable water wells. In order to reduce the setback distance the applicant is required to provide an engineering report dealing with soils, hydrologic conditions, the depth and casing of such wells, proposed hydraulic loading rates, quality of the reclaimed water, and expected travel time of the ground water to the potable water supply wells. This information must provide reasonable assurance that applicable water quality standards will not be violated at the point of withdrawal. (F.A.C. Rule 62-610.521(2)(c))

Continued

"Protect, Conserve and Manage Florida's Environment and Natural Resources"

Ms. Pat Brady
January 5, 1999
Page 2

- b. The applicant must also show that the new facility's chlorine contact chamber was designed in accordance with F.A.C. Rule 62-600.420(5)(c).
 - c. The Department will be requiring that radioactive contaminants be sampled in the effluent when the new permit is issued.
5. I have enclosed a copy of the front page and the specific conditions from the existing permit. The general conditions are standard to every permit and were not included. However, if you need these conditions please feel free to request them.
6. There currently are no active enforcement actions or outstanding warning letters.

If you have any questions pertaining to these matters or if we can be of further service, please contact me at (941) 332-6975. Thank you for your cooperation in resolving this matter.

Sincerely,



Andrew R. Barienbrock
Environmental Manager

ARB/

cc: Bennie Shoemaker



Department of Environmental Protection

Lawton Chiles
Governor

South District
2295 Victoria Avenue, Suite 364
Fort Myers, Florida 33901-3881

Virginia B. Wetherell
Secretary

PERMITTEE:

John Leonette, Owner
River's Edge WWTP
1601 Hunter Creek Drive
Punta Gorda, FL 33950

Permit Number: D008-256538
I.D. Number: 5208P00120
Date of Issue: April 20, 1995
Expiration Date: April 20, 2000
County: Charlotte
Latitude: 27° 00' 35" N
Longitude: 81° 58' 27" W
Section/Town/Range: 12/40S/23E
Project: River's Edge WWTP

This permit is issued under the provisions of Chapter 403, Florida Statutes (F.S.), and Florida Administrative Code (F.A.C.) Rules 62-3, 62-7, 62-300, 62-301, 62-302, 62-600, 62-601, 62-602, 62-610 and 62-640.

The above named permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans, and other documents, attached hereto or on file with the Department and made a part hereof and specifically described as follows:

To operate a 0.015 MGD (annual average daily flow) extended aeration process domestic wastewater treatment facility with chlorinated effluent to a dual cell percolation pond located on site.

Project is located on Hunter Creek Drive, west of U.S. 17 North, along the Peace River in Charlotte County, Florida.

PERMITTEE:

John Leonette, Owner
River's Edge WWTP

Permit Number: D008-256538
GMS Number: 5208P00120
Date of Issue: April 20, 1995
Expiration Date: April 20, 2000

GENERAL CONDITIONS:

permittee becomes aware the relevant facts were not submitted or were incorrect in the permit application or in any report to the Department, such facts or information shall be corrected promptly.

SPECIFIC CONDITIONS:

1. Drawings, plans, documents or specifications submitted by the Permittee, not attached hereto, but retained on file at the South Florida District Office, are made a part hereof.
2. The permittee shall submit a monthly operations report (MOR), DER Form 62-601.900(1), to the Department no later than the twenty- eighth of each succeeding month.
3. Maintain a copy, available for reference, of the operations and maintenance manuals for the wastewater treatment and disposal system on file at the plant's office or other approved site.
4. The permittee is reminded of the necessity to comply with the pertinent regulations of any other regulatory agency, as well as any county, municipal, and federal regulations applicable to the project. These regulations may include, but are not limited to, those of the Federal Emergency Management Agency in implementing flood control measures. This permit should not be construed to imply compliance with the rules and regulations of other regulatory agencies.
5. The permittee shall submit residual (sludge) analysis on an annual basis. Samples shall be analyzed and reported for the parameters as follows:

<u>Parameter</u>	<u>Reported</u>	<u>Parameter</u>	<u>Reported</u>
Total nitrogen	% dry weight	Lead	mg/kg dry weight
Total phosphorus	% dry weight	Nickel	mg/kg dry weight
Total potassium	% dry weight	Zinc	mg/kg dry weight
Cadmium	mg/kg dry wt.	pH	Standard Units
Copper	mg/kg dry wt.	Total solids	%

Samples and domestic wastewater residuals analysis shall be in accordance with the U.S. Environmental Protection Agency publication. POTW Sludge Sampling and Analysis Guidance Document 1989. Reference F.A.C. 62-640.700(1)(f).

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SPECIFIC CONDITIONS:

6. The Environmental Protection Agency (EPA), Chapter 40 Code of Federal Regulations Part 503 were promulgated November 1992. The conditions for this permit shall be modified, if necessary, to incorporate changes. EPA 40 CFR Part 503 increases the number of heavy metals to be tested. The additional metals are: arsenic, chromium, mercury, molybdenum, and selenium. These additional metals should be sampled and test results submitted. Pollutant limits are more stringent for ceiling concentrations in Part 503 for land applications than 62-640 for cadmium, lead, nickel, and zinc. Metal criteria for land application should be no less stringent than the parameters listed in either of the regulations with the more stringent criteria applicable.
7. The residuals generated by this facility shall be stabilized by either of two methods submitted with the permit application. These are as follows: Lime stabilization or aerobic digestion. The stabilization methods must be documented. Domestic wastewater residuals may not be taken to another treatment plant without prior consent of that system. Reference F.A.C. Rule 62-640.
8. Hudson Farms in Charlotte County, is an agricultural use plan site as outlined in F.A.C. Rule 62-640 and is permitted for land application of residuals generated at this facility. Changing sites requires Department notification prior to disposing of residuals at the new site [F.A.C. Rule 62-640.300(1)(2)]. Agricultural use plans shall be updated annually to show changes in residuals characteristics or agricultural practices and to provide a summary of the application for that year.
9. 40 CFR Part 503 provides for pathogen and vector attraction reduction requirements which will be incorporated in F.A.C. Rule 62-640. Both criteria should be satisfied before residuals can be land applied for disposal. Residual stabilization classification depends on the process used to reduce pathogens. Residuals generated by this facility are stabilized by Lime stabilization. The permittee shall provide an operating protocol and assurance that the product complies with a Process to Significantly Reduce Pathogens (PSRP) or to Further Reduce Pathogens (PFRP). The permittee shall identify the criteria that will be met to provide for vector attraction reduction and the method to assure compliance.
10. This facility is a category III, requiring a Class D or higher operator on site 1/2 hour per day, 3 non-consecutive days per week as per F.A.C. Rule 62-699.310(3)(c). Operator shall be on call during periods when the plant is unattended. [Daily checks of all plants shall be performed by the permittee, or supplier, or his representative or agent 5 days per week for all Class C and D plants.] Reference Rule 62-699.311(1), F.A.C.

PERMITTEE:

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River's Edge WWTP

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SPECIFIC CONDITIONS:

11. The parameters and minimum sampling schedule for this domestic wastewater treatment plant are as follows:

<u>Parameter</u>	<u>Frequency</u>	<u>Sample Type</u>	<u>Reference (F.A.C.)</u>
A. Flow	Daily 5/wk.	Elapsed Time Meter	62-601.200(17)(b)1
B. pH	Daily 5/wk.	Grab	62-601.500(1) figure 2 & (3)(a)
C. Chlorine Residual (Disinfection)	Daily 5/wk.	Grab	62-601.500(1) figure 2 & (3)(a)
D. TSS Influent	Monthly	Grab	62-601.500(1) figure 2 & (3)(b)
TSS Effluent	Monthly	Grab	62-601.500(1) figure 2 & (3)(b)
E. CBOD5 Influent	Monthly	Grab	62-601.500(1) figure 2 & (3)(c)
CBOD5 Effluent	Monthly	Grab	62-601.500(1) figure 2 & (3)(c)
F. Fecal Coliform Effluent	Monthly	Grab	62-601.500(1) figure 2 & (3)(a)
G. Nitrate (as N)	Annually	Grab	62-610.510

12. The arithmetic mean, whether grab or composite, of effluent CBOD5 [or TSS] shall not exceed 20 mg/l for an annual period, 30 mg/l monthly, or 45 mg/l weekly. The maximum permissible concentrations of CBOD5 or TSS values in any grab sample at any time shall not exceed 60 mg/l. Reference Rule 62-600.740(1)(b)1, F.A.C.

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13. For basic disinfection, (using either MF or equivalent MPN methods) the arithmetic mean of the monthly fecal coliform values collected during an annual period shall not exceed 200 per 100 ml of effluent sample, the geometric mean for a minimum of ten effluent samples collected on separate days during thirty consecutive days (monthly) shall not exceed 200 per 100 ml of sample, and no more than ten percent of the samples collected during thirty 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. Reference Rule 62-600.440(4)(c), F.A.C.

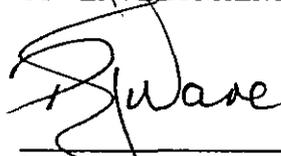
14. Where chlorine is used for disinfection, a total chlorine residual of at least 0.5 milligrams per liter shall be maintained after at least 15 minutes contact time at peak hourly flow. Higher residuals or longer contact times may be needed to meet the operational criteria for basic disinfection. Reference Rule 62-600.440 F.A.C.

15. In the event that any effluent is discharged from the percolation ponds, the permittee shall notify the Department in accordance with the provisions of F.A.C. Rule 62-600.750. No discharge to surface waters is authorized.

Note: In the event of an emergency the permittee shall contact the Department by calling (904)413-9911. During normal business hours, the permittee shall call (813)332-6975.

Issued this 20th day of April, 1995.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION



Peter J. Ware
Director of
District Management

PJW/RJE/dd