

ORIGINAL

DOCKET NO.: 991643-SU - Application for increase in wastewater rates in Seven Springs System in Pasco County by Aloha Utilities, Inc.

WITNESS: Direct Testimony of David G. MacColeman, Appearing on Behalf of Staff

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FPSC-RECORDS/REPORTING

DIRECT TESTIMONY OF DAVID G. MacCOLEMAN

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- 2 Q. Please state your name and business address.
- 3 A. David G. MacColeman, 3804 Coconut Palm Drive, Tampa, Florida 33619
- 4 Q. Please give a brief description of your educational background and
5 experience.
- 6 A. B.S. in Chemistry and Biology and vocational training in wastewater
7 operations. Nine plus years as an inspector of wastewater plants.
- 8 Q. By whom are you presently employed?
- 9 A. The Florida Department of Environmental Protection (DEP).
- 10 Q. How long have you been employed by DEP and in what capacity?
- 11 A. Nine years in the Compliance/Enforcement Section of the Domestic
12 Wastewater Section regulating the wastewater rules.
- 13 Q. What are your general responsibilities at DEP?
- 14 A. Facilities which are assigned to me are required to be inspected
15 annually to determine compliance with Department rules and statutes. Those
16 facilities which are not in compliance are brought into compliance using
17 enforcement procedures.
- 18 Q. Are you familiar with Aloha Utilities' wastewater systems in Pasco
19 County, particularly the Seven Springs' system?
- 20 A. Yes.
- 21 Q. Does the utility have appropriate, current permits from DEP?
- 22 A. Yes.
- 23 Q. Please give the issuance date and expiration dates for the utility's
24 permits.
- 25 A. Wastewater Permit No. FLA012752 was issued to the Seven Springs

1 wastewater treatment plant on March 23, 1999 and expires on March 22, 2004.

2 Q. Q. Is Aloha in compliance with its permit?

3 A. No. A review of the files and inspections on April 6, 2000 and May 15,

4 2000 found reports that indicate the wastewater treatment plant (WWTP) is out

5 of compliance with the permit. Corrective actions were discussed with the

6 operators that would improve the reasonable assurance necessary to validate

7 records and reports submitted to the Department. However, the WWTP is also

8 the subject of an Amended and Restated Consent Final Judgement (ARCFJ) through

9 the Circuit Court. To my knowledge, at this time, Aloha Utilities is in

10 compliance with the ARCFJ.

11 Q. Are the wastewater collection, treatment and disposal facilities

12 adequate to serve present customers based upon permitted capacities?

13 A. No. The interim wastewater plant improvements which are being

14 constructed will increase the plant capacity to meet current flows from the

15 present customers.

16 Q. Are the treatment and disposal facilities located in accordance with

17 applicable DEP rules?

18 A. Yes.

19 Q. Has DEP required the utility to take any actions so as to minimize

20 possible adverse effects resulting from odors, noise, aerosol drift, or

21 lighting?

22 A. No.

23 Q. Does the utility have certified operators as required by Chapter 62-602,

24 Florida Administrative Code?

25 A. Yes.

1 Q. Is the overall maintenance of the utility's treatment, collection, and
2 disposal facilities satisfactory?

3 A. The overall maintenance of the treatment plant is satisfactory. The
4 disposal system is not satisfactory and is the subject of the ARCFJ until the
5 construction is completed.

6 Q. Does the utility meet all applicable technology based effluent
7 limitations (TBELS) and water quality based effluent limitations (WQBELS)?

8 A. The surface water effluent from the site is the major subject of The
9 ARCFJ. The WWTP is presently being upgraded to meet the TBEL for public
10 access wastewater and eliminate the surface water discharge.

11 Q. Does the utility meet the effluent disposal requirements of Chapters 62-
12 600.530 and 62-611, Florida Administrative Code?

13 A. No. The reports in FDEP files reveal that ground water standards for
14 total dissolved solids and pH are not being met in some of the ground water
15 wells at the WWTP site. The WWTP is not required to meet the requirements for
16 the Wetland Treatment as found in Chapter 62-611.

17 Q. Are the collection, treatment, and disposal facilities in compliance
18 with all other provisions of Title 62, Florida Administrative Code, not
19 previously mentioned?

20 A. No. Corrective actions are detailed in Permit No. FLA 012752-001-DW1P
21 and the ARCFJ.

22 Q. Has this utility been the subject of any DEP enforcement action within
23 the past two years?

24 A. Yes. The utility and the FDEP are parties to the ARCFJ in the Second
25 Judicial Circuit Court in and for Leon County, Florida, Case No. 93-4356.

1 Q. In the ARCFJ, has DEP directed Aloha to reduce I&I?
2 A. In the ARCFJ, the utility is credited with additional flow by reducing
3 inflow into the collection/transmission system or repairing sources of
4 infiltration.
5 Q. Does DEP consider 150 gallons per day (GPD) per equivalent residential
6 connection (ERC) normal for Aloha?
7 A. Yes.
8 Q. What does DEP consider excessive I&I? Is there an acceptable amount of
9 I&I, i.e., such as a percentage of normal flows?
10 A. FDEP accepts engineering standards for infiltration and inflow (I&I).
11 Excessive flows are those flows which interfere with the treatment process.
12 Q. In DEP's opinion, does Aloha have excessive I&I, or was it just directed
13 to try to reduce its I&I since its total flows were so far over its capacity?
14 A. The Department has no opinion as to whether the I&I for this or any
15 utility is excessive. I believe this has been answered in previous questions.
16 It was known that during storm events, inflow into the system did occur and
17 caused operational problems. The extent of infiltration was not known by the
18 Department. Total flows and plant capacity are being resolved by the interim
19 upgrade to the plant as allowed by the Permit and the ARCFJ.
20 Q. Do you have anything further to add?
21 A. No, I do not.
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