

DOCKET NO.: 060368-WS - Application for increase in water and wastewater rates in Alachua, Brevard, Highlands, Lake, Lee, Marion, Orange, Palm Beach, Pasco, Polk, Putnam, Seminole, Sumter, Volusia and Washington Counties by Aqua Utilities Florida, Inc.

WITNESS: Direct Testimony of Mark Charneski,
Appearing on Behalf of the Staff of the Florida Public Service Commission.

DATE FILED: August 21, 2007

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DIRECT TESTIMONY OF MARK CHARNESKI

Q. Please state your name and business address.

A. Mark Charneski, Florida Department of Environmental Protection, 2295 Victoria Avenue, Suite 364, Fort Myers, Florida 33902.

Q. Please state a brief description of your educational background and experience.

A. I have a Bachelor of Science Degree from the University of South Florida and I have been an employee of the Department of Environmental Protection for over 20 years; the vast majority of that time was in the Drinking Water Section.

Q. By whom are you presently employed?

A. Florida Department of Environmental Protection (FDEP).

Q. How long have you been employed with the FDEP and in what capacity?

A. I have been an employee of the Department of Environmental Protection for over 20 years; the vast majority of that time was in the Drinking Water Section. Duties include enforcement coordinator for all Drinking Water related enforcement activities in the South District. I oversee the compliance section of the Drinking Water Section. We conduct inspections, review all compliance data related to drinking water quality and ensure that all violations are corrected in a timely manner.

Q. What are your general responsibilities at the FDEP?

A. I am the supervisor of three employees of the compliance section of the Drinking Water Section. I ensure the Drinking Water in the South District is safe to drink.

Q. Are you familiar with Aqua Utilities Florida, Inc. (utility) water systems in Highlands, Counties, particularly the water treatment systems in Highlands County, including Sebring Lakes, Lake Josephine and Leisure Lakes?

A. Yes.

Q. Does the utility have any current construction permits from the FDEP?

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1 A. Yes. For the Lake Josephine system, a Permit No. 268043-001-WC was issued on
2 November 28, 2006. Under this permit, the utility was permitted to modify the
3 existing plant by re-rating from 0.30 to 0.320 MGD by constructing the following
4 upgrade items: Add one 48,000 gallon storage tank, 1 draft aerator, 3 new high service
5 pumps, 2 hypochlorite solution pumps with 100 gallon day tank.
6 The previous Permit was issued on February 12, 2004. Under this Permit, the utility
7 was permitted to re-rate the existing plant from 0.30 to 0.320 MGD by constructing the
8 following upgrade items: Add 2 draft aerators, 2 - 40,000 gallon storage tanks, and a
9 900 gallon bulk solution tank, 2 high service pumps. There appears to be some overlap
10 on these permits.
11 Also, for the Sebring Lakes system, a Permit No. 247983-001-WC was issued on June
12 21, 2005. Under this permit, the utility was permitted to install a new 1,000-gallon
13 sodium hypochlorite bulk storage tank, and a 300-gallon day tank and containment.
14 Q. What is the capacity (gpm) of each well in the Lake Josephine Water Treatment Plant?
15 A. Records from our database for Lake Josephine Heights shows that well # 1 has a
16 normal yield of 250 gpm and well #2 has a normal yield of 400 gpm. The Sanitary
17 Survey does not show any flow for the wells.
18 Q. What is the capacity (gpm) of each well in the Sebring Lakes Water Treatment Plant?
19 A. Records from the 2005 Sanitary Survey for Sebring Lakes indicate that both wells have
20 a Goulds pump, Model 7CLC, rated 450 gpm @ 128 ft of head. The Actual Yield is
21 400 gpm for each well.
22 Q. What is the actual size of the existing ground storage tank in the Leisure Lakes Water
23 Treatment Plant?
24 A. Records show that the tank at Leisure Lakes is 10,000 gallons. I've asked Aqua
25 Utilities and/or Short Utilities to measure the tank in the field.

- 1 Q. Are the utility's treatment facilities and distribution systems sufficient to serve its
2 present customers?
- 3 A. Yes.
- 4 Q. Does the utility maintain the required 20 psi minimum pressure throughout the
5 distribution system?
- 6 A. There were past complaints at Lake Josephine Water System when water main
7 flushing lowered the pressure, but the Department could not gather sufficient evidence
8 to show the pressure loss in the water main had occurred. Since this occurred and the
9 issue was pointed out to the utility, the Department has not received further complaints
10 of this nature.
- 11 Q. Does the utility have certified operators as required by Chapter 62-602, Florida
12 Administrative Code?
- 13 A. Yes.
- 14 Q. Is the overall maintenance of the treatment plant and distribution facilities satisfactory?
- 15 A. Sebring Lakes and Lake Josephine had no deficiencies on their 2006 inspections.
16 Leisure Lakes had the following deficiencies listed on the inspection done July 31,
17 2006:
- 18 1. The Emergency Response Plan that is on site does not meet the requirements of Rule
19 62-555.350(15), F.A.C. It is very generic and not specific for the site. They need to
20 look at the Florida Rural Water template, which contains the items required to meet the
21 rule.
- 22 2. There is no up-to-date map of the drinking water distribution system on site as required
23 by Rule 62-555.350(14), F.A.C.
- 24 3. There is no copy of the isolation valve exercising plan on site (there is a copy in the
25 Department files) nor is there a record on site that any valves have been exercised as

- 1 required by Rule 62-555.350(2), F.A.C. and Rule 62-555.350 (12)(c), F.A.C.
- 2 4. There is no copy of the dead end main flushing plan on site nor is there a record on site
3 that there is any flushing being conducted. These are required by Rule 62-555.350(2),
4 F.A.C. and Rule 62-555.350(12)(c), F.A.C.
- 5 5. There is no Operation and Maintenance Manual on site. Manuals for all of the
6 equipment at the plant need to be on site since Aqua Utilities Florida, in a letter dated
7 July 15, 2006 to the Department, indicated that they do not need a written Preventative
8 Maintenance (PM) Program since they were to perform all preventative maintenance
9 according to the equipment manufacturers' instruction manual which is allowed under
10 the Rule.
- 11 Q. Can you comment on the type and number of corrections above?
- 12 A. Yes. The deficiencies listed above are all related to poor record keeping at this facility.
- 13 Q. Does the finished water produced by the utility meet the State and Federal maximum
14 contaminant levels for primary and secondary water quality standards?
- 15 A. Generally speaking the answer is yes. However, we did have a Consent Order for
16 Leisure Lakes for a re-occurring odor issue. The Consent Order required quarterly
17 testing and if any sample is over the MCL they are required to submit a permit to
18 modify the water plant to provide corrective action. The case was closed on April 4,
19 2007.
- 20 Q. Does this include the lead and copper rule?
- 21 A. Yes.
- 22 Q. Has the utility's compliance with the lead and copper rule resulted in a lessening of the
23 monitoring requirements?
- 24 A. Yes.
- 25 Q. Does the utility monitor for the inorganic contaminants (VOCs) listed in Rule 62-

1 55.513, Florida Administrative Code, volatile organic contaminants (VOCs) listed in
2 Rule 62-55.515, Florida Administrative Code, synthetic organic contaminants (VOCs)
3 listed in Rule 62-55.516, Florida Administrative Code, and all other compounds listed
4 in Rule 62-550, Florida Administrative Code?

5 A. Yes.

6 Q. Do recent chemical analyses of raw and finished water, when compared to FDEP
7 regulations, suggest the need for additional treatment?

8 A. No.

9 Q. Does the utility maintain the required chlorine residual or its equivalent throughout the
10 distribution system?

11 A. Yes.

12 Q. Are the plant and distribution systems in compliance with all the other provisions of
13 Chapter 62, Florida Administrative Code, not previously mentioned?

14 A. Yes.

15 Q. Has the utility been the subject of any FDEP enforcement action within the past two
16 years?

17 A. Yes. Aqua was under a Consent Order for odor violation at Leisure Lakes, but
18 completed four good quarters of monitoring in January 2007 and the case was closed
19 April 2, 2007. In addition, Aqua had a Consent Order with Lake Josephine Heights in
20 2006 for failure to monitor for Lead and Copper in 2005. They paid the fine, did the
21 required Lead and Copper monitoring and the case was closed on August 15, 2006.

22 Q. Do you have anything further to add?

23 A. No, I do not.

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BEFORE THE PUBLIC SERVICE COMMISSION

In re: Application for increase in water and wastewater rates in Alachua, Brevard, Highlands, Lake, Lee, Marion, Orange, Palm Beach, Pasco, Polk, Putnam, Seminole, Sumter, Volusia, and Washington Counties by Aqua Utilities Florida, Inc. | DOCKET NO. 060368-WS
| DATED: AUGUST 21, 2007

CERTIFICATE OF SERVICE

I HEREBY CERTIFY that a true and correct copy of the DIRECT TESTIMONY OF MARK CHARNESKI has been served by U.S. Mail to Kenneth A. Hoffman and Marsha E. Rule, Esquires, Rutledge, Ecenia, Purnell & Hoffman, P. A., P.O. Box 551, Tallahassee, FL 32302-0551, on behalf of AQUA UTILITIES FLORIDA, INC., and that a true and correct copy thereof has been furnished to the following by U. S. Mail, this 21st day of August, 2007:

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