

Exhibit No.:

Issue:

Systems Operations and
Management

Witness:

Michael T. McDuffey

Sponsoring Party:

Folsom Ridge LLC and Big
Island Homeowners Water
and Sewer Association, Inc.

Case No.:

Case No. WO-2007-0277
Joined for hearing with
Case No. WC-2006-0082

FOLSOM RIDGE LLC AND
BIG ISLAND HOMEOWNERS WATER AND SEWER ASSOCIATION, INC..

Case No. WO-2007-0277
Joined for hearing with
Case No. WC-2006-0082

FILED²

APR 02 2007

SURREBUTTAL TESTIMONY

**Missouri Public
Service Commission**

OF

MICHAEL T. MCDUFFEY

Camdenton, Missouri
February, 2007

Folsom Ridge
Exhibit No. 19
Case No(s) WC-2006-0082, et al
Date 2-28-07 Rptr tt

BEFORE THE PUBLIC SERVICE COMMISSION
OF THE STATE OF MISSOURI

In the matter of the Application of)
Folsom Ridge LLC and Big Island)
Homeowners Water and Sewer Association,)
Inc. for an order authorizing the transfer) Case No. WO-2007-0277
and Assignment of Certain Water and)
Sewer Assets to Big Island Water)
Company and Big Island Sewer)
Company, and in connection therewith)
certain other related transactions.)

AFFIDAVIT OF MICHAEL T. MCDUFFEY

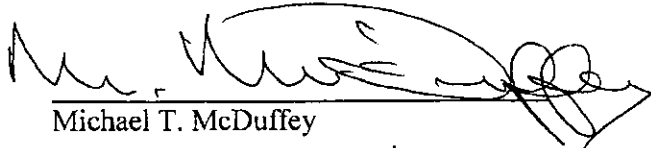
STATE OF MISSOURI)
) ss.
COUNTY OF CAMDEN)

I, Michael T. McDuffey, of lawful age, and being duly sworn, do hereby depose and state:

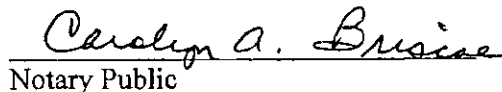
1. My name is Michael T. McDuffey. I am presently Chief Operator and Senior Advisor for Lake Ozark Water and Sewer L.L.C.

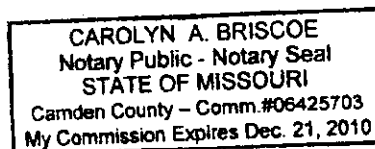
2. Attached hereto and made a part hereof for all purposes is my surrebuttal testimony.

3. I hereby swear and affirm that my answers contained in the attached testimony to the questions therein propounded are true and correct to the best of my personal knowledge, information and belief.


Michael T. McDuffey

Subscribed and sworn to before me, a Notary Public, this 23rd day of February, 2007.


Notary Public



**SURREBUTTAL TESTIMONY
MICHAEL T. MCDUFFEY**

1
2
3 Q. Please state your name and your business address.

4 A. My name is Michael T. McDuffey. My business address is 840 Thunder
5 Mountain Road, Camdenton, Missouri 65020.
6

7 Q. Are you the same Michael T. McDuffey who filed written direct and rebuttal
8 testimony in this matter?

9 A. Yes, I am.
10

11 Q. What is the purpose of your surrebuttal testimony?

12 A. I will respond to the rebuttal testimony filed by Mr. Jim Merciel in this matter.
13

14 Mr. Merciel's testimony

15 Q. On page 4 of his rebuttal Mr. Merciel mentioned some technical issues with
16 respect to the water and wastewater systems on Big Island which Mr. Martin
17 Hummel discussed in his prefiled testimony in Case No. WA-2006-0480.
18 Directing you to page 4 line 16 of Mr. Hummel's rebuttal testimony, which
19 was attached to Mr. Merciel's filing, can you tell the Commission whether
20 those technical issues been addressed?

21 A. Yes. Mr. Krehbiel will also be testifying about Mr. Hummel's list.
22

1 On page 5 of Mr. Hummel's testimony he discusses leak detection on the systems.
2 Mr. Hummel and Mr. Merciel are correct that detection and correction of leaks in
3 these systems is important. Regarding leaks, or low pressure, in the water system,
4 this tends to take care of itself since low pressure is quickly noted by customers
5 and called in. Correction of low pressure on the water system has been quickly
6 corrected following notification. Regarding the wastewater system, as Mr.
7 Krehbiel will address in his testimony, the 393 Companies have considered
8 obtaining flow measurement equipment.

9
10 **Q. Mr. Hummel recommends installation of utility owned shut off valves for**
11 **each water and sewer service connection.**

12 **A. I have testified already regarding the installation of shut off valves for each home**
13 **on the causeway, a matter mentioned in Mr. Pugh's direct testimony, but**
14 **throughout each system, I have verified that a shut off valve for both the water**
15 **service and the sewer service has been installed for each connection.**

16
17 **Q. Also on page 5, Mr. Hummel recommends establishment of a water main**
18 **repair procedure and evaluation of mains for installation of isolation valves.**

19 **A. This has been done already through LOWS.**

20
21 **Q. Mr. Hummel also recommends that directions be given on the responsible**
22 **party for installation, construction inspection, and operation of the septic**
23 **tanks. Has this been done?**

1 A. I am attaching as MTM Surrebuttal Schedule 1, a copy of Big Island Association
2 standards which govern connection to the water and sewer systems, and MTM
3 Surrebuttal Schedule 2, a copy of the specifications for the septic tank to used for
4 connection to the wastewater system. Mr. Hummel recommends that annual tank
5 inspections be conducted and that is done in connection with the annual
6 inspection of effluent filters for the tanks. The specifications and procedures set
7 out on the attached schedules should agree with Mr. Hummel's recommendations.

8

9 Q. **Does this conclude your surrebuttal testimony?**

10 A. Yes, it does.

Big Island Association Standards

Owners of lots in Big Island Subdivision and owner of lots that are not included in Big Island Subdivision, "non-Big Island" lots, must agree to Big Island Association Standards in order to hook up to Big Island Subdivision's drinking water and /or wastewater systems. Each "non-Big Island" facility that is connected to the Big Island drinking water system will have the right to one vote on drinking water issues, and each "non-Big Island" facility that is connected to the Big Island wastewater system will have the right to one vote on wastewater issues. Each member of Big Island Association, i.e. Big Island lot owners, have voting rights on both drinking water system and wastewater system issues.

Each lot hooking up to the Big Island drinking water and/or wastewater systems will need the following:

1. A permit application to hook up to the Big Island drinking water system and/or wastewater system.
2. A qualified contractor to hook the lot up to the Big Island system.
3. This application for a permit will be obtained from the chief operator of the system and submitted to the chief operator who will inspect and identify the drinking water and wastewater lines for the qualified contractor.
4. The chief operator will inspect the septic tank to see that it meets the Big Island Association Standards.
5. The chief operator will inspect the effluent pump and filter on the septic tank to see that it meets the Big Island Association Standards.
6. Once all inspections are completed by the chief operator, the chief operator will issue a permit to hook onto the system or deny the permit if Big Island Association Standards have not been met.
7. Adhere to Big Island Association septic tank pumping and filter cleaning requirements.

Septic tank pumping and filter cleaning requirements

The Big Island Association will require that all septic tanks in the wastewater system be pumped once every two years. The Association may require that 50% of the tanks be pumped one year with the other 50% being pumped the following year.

The Big Island Association will require that all effluent filters on septic tanks be checked and cleaned a minimum of one time per year.

The Big Island Association Standards will specify septic tank size and specifications as determined by a Professional Engineer. The Professional Engineer will provide a list of acceptable septic tanks, pumps and filters to be used in order to hook up to the Big Island wastewater system.

Dave 346-3851

LAKE Professional Engineering Services, Inc.

Bowden Campbell, EIT

HCR 30 Box 59
Warsaw, MO 65355
Phone: 573-480-7100

James O. Jackson, P.E.

P.O. Box 27
Camdenton, MO 65020
Phone: 573-480-0508 • 573-873-3839

PROJECT

CAL. FOR

PROJECT NO.

CALCULATION BY

DATE

BIG ISLAND
SEPTIC SYSTEM

JOS

25 JULY 01

SEPTIC TANK SIZE:

1, 2 & 3 B/R HOUSE = 1000 GAL

4 B/R HOUSE = 1250 GAL

5 B/R HOUSE = 1500 GAL

PUMP TANK:

500 GAL TANK

OR

2400L FILTERED PUMP VAULT

OR

2400L PUMPING BASIN & FILTER

PUMP

10 GPM @ 170' HEAD - OSI P101012 - 10 STAGE

OR - APPROVED EQUAL.

James O. Jackson, P.E.