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ORIGINAL
FILE COPY

June 13, 1991

Steve Tribble, Director
Division of Records and Reporting
Florida Public Service Commission
101 East Gaines Street
Tallahassee, FL 32399-0850

Re: ~~Docket No. 900816-WS~~

Dear Mr. Tribble:

Enclosed for filing in the above-captioned proceeding on behalf of the Citizens of the State of Florida are the original and 12 copies of Citizens' Prefiled Supplementary Testimony of Harry DeMeza to be filed in this docket.

Please indicate the time and date of receipt on the enclosed duplicate of this letter and return it to our office.

Sincerely,

Darlene Driscoll
Darlene Driscoll

- ACK
- ADA
- APP _____
- CFE _____
- CM Enclosure
- CPD _____
- EP _____
- LS 1
- LV orig + 3
- ONS _____
- ROH _____
- SEC 1
- WAS
- OTH _____

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FB
FPSO-BUREAU DE RECORDS

DOCUMENT NUMBER-DATE
05979 JUN 13 1991
FPSO RECORDS/REPORTING

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In Re: Application of SAILFISH)
POINT UTILITY CORPORATION for a)
rate increase in Martin County)
_____)

Docket No. 900816-WS
Filed: June 13, 1991

PREFILED SUPPLEMENTARY TESTIMONY OF HARRY DENEZA

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Attorney for the Citizens
of the State of Florida

DOCUMENT NUMBER-DATE

05979 JUN 13 1991

PSC-RECORDS/REPORTING

1 PREFILED SUPPLEMENTARY TESTIMONY OF HARRY DE MEZA
2 REPRESENTING THE OFFICE OF PUBLIC COUNSEL
3 BEFORE THE
4 FLORIDA PUBLIC SERVICE COMMISSION
5 SAILFISH POINT UTILITY CORPORATION
6 PSC DOCKET 900816-WS

7
8 Q WILL YOU STATE YOUR NAME, POSITION, AND EMPLOYMENT
9 ADDRESS?
10 A My name is Harry De Meza. I am a Civil Engineer and
11 the Chief Civil Design Engineer for Southern
12 Engineering Company. My mailing address is 1800
13 Peachtree Street, Atlanta, Georgia 30367-8301.
14
15 Q WHAT IS THE PURPOSE OF YOUR SUPPLEMENTARY TESTIMONY?
16 A The purpose of my prefiled supplementary testimony
17 is to give my opinion with regard to the normal
18 membrane life of the RO units and the Utilities cost
19 of the Change-Out Program.
20
21 The original RO membrane system at the Sailfish
22 Water Plant are of the hollow fiber configuration
23 offering the greatest ratio of surface area to
24 volume. This membrane system has offered an
25 excellent water quality and a long life of as much
26 as 10 years of service. This long life of the RO

1 units can be attributed to the excellent operation
2 of the plant particularly the operation of the raw
3 water wells and the prefilter. The purpose of the
4 prefilter is to protect the high pressure pump and
5 membranes from large particles. The disposable
6 cartridges are inspected and replaced at frequent
7 intervals to produce a high efficient plant.

8
9 This history of excellent operation must be
10 considered in the life of the new membrane system.
11 The new membrane system is of the spiral wound
12 cellulose acetate. The proposed system will have
13 seven (7) assemblies with six (6) membranes each or a
14 total of forty-two (42) membranes.

15
16 The standard life of the membranes is 3-5 years.
17 The Utility is proposing a Change-Out Program which
18 allows for a 3-year life when all 42 membranes are
19 installed. The change-out will be accomplished
20 every two (2) years with the first change-out in
21 1994 replacing 14 membranes.

22
23 The Utility is proposing a cost of \$25,000 per year
24 as a replacement cost for the Change-Out Program.
25 In my opinion, the life of the membranes should be
26 four (4) years and not three (3) as suggested by the

1 Utility, based on the excellent history of operation
2 and with a change-out of eleven (11) membranes in
3 1995 at a cost of \$1,700 per membrane or a total of
4 \$18,700. This represents a savings of approximately
5 25% of the Utility's estimated cost of \$25,000. My
6 estimated cost is based on \$1,480 (1991 dollars) per
7 membrane installed plus 15% inflation cost for a
8 total of \$1,700 per membrane in 1995.

9

10 Q DOES THIS CONCLUDE YOUR SUPPLEMENTARY TESTIMONY?

11 A Yes, it does.

**CERTIFICATE OF SERVICE
DOCKET NO. 900816-WS**

I HEREBY CERTIFY that a correct copy of the foregoing has been furnished by U.S. Mail or *hand-delivery to the following parties on this 13th day of June, 1991.

BEN E. GIRTMAN, ESQUIRE
1020 E. Lafayette Street
Suite 207
Tallahassee, FL 32301

*CATHERINE BEDELL, ESQUIRE
Fla. Public Service Commission
101 East Gaines Street
Tallahassee, FL 32399-0863

/s/
Stephen C. Reilly
Associate Public Counsel