

ORIGINAL

DOCKET NO.: 981637-WS - United Water Florida,  
Inc.

WITNESS: Direct Testimony Of SCOTT TRIGG,  
Appearing on Behalf Of Staff

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FPSC-RECORDS/REPORTING

1 DIRECT TESTIMONY OF SCOTT TRIGG

2 Q. Please state your name and business address?

3 A. My name is Scott Trigg, P.E., and I am a PE II Program Supervisor for  
4 the Potable Water Section in the Northeast District of the Florida Department  
5 of Environmental Protection (DEP). My business address is:  
6 Florida Department of Environmental Protection, 7825 Baymeadows Way,  
7 Jacksonville, FL 32256

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

10 A. I have a Civil Engineering Degree from Florida Institute of Technology  
11 (1992). I have been with DEP for 6 ½ years, 4 ½ in the Potable Water Section.  
12 I have 3 ½ years experience as an inspector/permitting engineer (1992-96).  
13 I have been the Permitting Supervisor since May 1998 and became a Program  
14 Supervisor in January 1999.

15 Q. What are your general responsibilities at the DEP?

16 A. As Program Supervisor, I supervise 12 positions and perform  
17 administrative functions for the Section. I review and oversee all compliance  
18 and enforcement activities. I am also the permitting supervisor and certify  
19 (sign and seal) all permits for the Section.

20 Q. What is the purpose of your testimony in this docket?

21 A. The purpose of my testimony is to provide information on the technical  
22 ability of United Water Florida, Intercoastal Utility and St. Johns County to  
23 provide water service to the area at issue in the United Water Florida  
24 amendment application. My testimony will address the specific concerns the DEP  
25 has with respect to water in this area, and the ability of each of the three

1 | utilities to address and satisfy these concerns. The DEP does not have  
2 | jurisdiction over the JEA. Duval County has an Approved County Health Unit  
3 | and has been delegated by the DEP to regulate all Public Water Systems in  
4 | Duval County. Therefore, I do not have the information necessary to make any  
5 | statements with respect to JEA's ability to serve this area or the quality of  
6 | the water provided by them.

7 | Q. Would you explain what you mean by concerns relating to water by the  
8 | DEP?

9 | A. Yes. The area is experiencing increasing salt water intrusion,  
10 | therefore the permitting of new water wells and the withdrawals from existing  
11 | wells is being more closely monitored by the DEP and the Water Management  
12 | District (WMD). United Water Florida in the last round of full chemical  
13 | compliance testing (1997) has shown increased sulfate levels and is right at  
14 | the maximum contaminant level (MCL). Chlorides, however are not a problem and  
15 | have consistently been low. United Water has both shallow and deep wells that  
16 | it blends. Intercoastal Utility's level of sulfates has increased over the  
17 | past several years, but remains at approximately 60% of the MCL based on 1997  
18 | data. Chlorides have consistently shown to be low and are not a problem.  
19 | Intercoastal Utility has only deep wells. St. Johns County Utility's levels  
20 | are at approximately 50% of the MCL for sulfates and chlorides. They are  
21 | showing an increase of the past several years in sodium which is approximately  
22 | 60% of the MCL based on 1996 data. The County provides satisfactory water  
23 | quality by blending their production from a well field of shallow and deep  
24 | wells. The water quality of all three Utilities are satisfactory and meet the  
25 | water quality standards required by DEP based on their most recent compliance

1 | testing. Sulfates and chlorides are secondary standards (considered mostly  
2 | for aesthetic purposes) and sodium is a primary standard which is considered  
3 | for health effects.

4 | Q. Would you discuss the ability of each of the utility systems in this  
5 | docket to provide water to the area at issue?

6 | A. United Water Florida, based upon current information in the DEP files,  
7 | has maximum day rated capacity of 0.865 million gallons per day (MGD). Based  
8 | upon the previous 12 months of data, their maximum daily flow was 0.344 MGD.  
9 | They have uncompleted projects estimated to be 0.225 MGD. This places their  
10 | system at approximately 66% of capacity and leaves them 0.195 MGD. This plant  
11 | can easily be upgraded to approximately 1.3 MGD with an additional high  
12 | service pump to meet maximum hourly demand. This would allow them to have  
13 | 0.731 MGD in reserve. Intercoastal Utility has two water plants gridded  
14 | together to serve one distribution system. Based upon current information in  
15 | DEP files, the maximum rated capacity of both plants combined is approximately  
16 | 4.75 MGD. Based upon the previous 12 months of data, their maximum daily flow  
17 | was 4.1 MGD. They have uncompleted projects estimated to be 0.170 MGD. This  
18 | places their system at approximately 90% of capacity and leaves them with a  
19 | reserve of 0.65 MGD. An additional well (a well was abandoned approximately  
20 | one year ago) at the Sawgrass facility would expand the capacity of the system  
21 | greatly. An additional well of 1000 gpm would increase capacity of the grid  
22 | to 6.0 MGD. St. Johns County Utility, based upon current information in the  
23 | DEP files, has a maximum rated capacity of 7.0 MGD. Based upon the previous  
24 | 12 months of data, their maximum daily flow was 4.9 MGD. They have  
25 | uncompleted projects estimated to be 0.9 MGD. This places their system at

1 | approximately 83% of capacity and leaves them 1.2 MGD in reserve. All of  
2 | these system capacity evaluations take into account the severe drought  
3 | conditions of last summer. Each Utility has an excellent history of  
4 | compliance and has adequate staff to provide water to the area at issue.

5 | Q. Do you have any other comments on the ability of the parties to provide  
6 | water service to the area in question?

7 | A. No, not at this time.

8 | Q. Does this conclude your testimony?

9 | A. Yes.

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