

MISSION-CRITICAL PROFILE

Name: Steve Ardrey

Organization: San Francisco Public Utilities Commission Waste Water Enterprise

Job Category (Check one below):

- | | |
|---|--|
| <input type="checkbox"/> Water Treatment | <input checked="" type="checkbox"/> Electronic Maintenance Technician/ Instrument Technician |
| <input type="checkbox"/> Water Distribution | <input type="checkbox"/> Electrician/Electrical Line Worker |
| <input type="checkbox"/> Wastewater Treatment | <input type="checkbox"/> Machinist/Mechanic |
| <input type="checkbox"/> Wastewater Collections | <input type="checkbox"/> Other |

1. Please describe the work you do:

I am a field supervisor for a crew of electronic instrumentation technicians. My crew and I are responsible for the maintenance, calibration, and repair of process control instrumentation equipment in the City of San Francisco's waste water facilities. The instruments that we maintain enable the operators to run the plant automatically from remote locations. Our responsibilities include analytical instruments. Analytical instruments insure that the treated water leaving our treatment facilities into San Francisco Bay and the Pacific Ocean is in compliance with the Environmental Protection Agency regulations. Some of the measurements that our instruments measure are: temperature, pressure, level, flow, PH, and dissolved oxygen. Our responsibilities include life safety devices. These life safety devices measure toxic and explosive gases as well as oxygen deficient atmospheres.

2. What combination of education, vocational training, apprenticeship, experience, and/or skill did you obtain in order to be qualified and selected for your job?

I attended a trade school in Waco Texas.

3. What do you like best about your job?

I like that my job is a combination of many skills. My job involves working with my hands as well as solving problems with software on the computer. Instrumentation Technicians solve many technical problems. Our job requires interfacing with many different people and all of the trades.

4. Please tell us about the projects and activities you have enjoyed most in your work in the water/wastewater field, and what made them rewarding.

My favorite activity is troubleshooting equipment that has failed to operate.

5. What qualities and capabilities are needed in order for a person in your area of expertise to be successful in the water/wastewater industry?

My job requires a lot of tenacity and self-motivation. Curiosity

6. Do you have any advice for an individual who is considering pursuing a career in your field in the water/wastewater industry?