

## MISSION-CRITICAL PROFILE

**Name:** David Amorim

**Organization:** San José – Santa Clara Regional  
Wastewater Facility



### Job Category (Check one below):

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

1. Please describe the work you do:

- Installation of electrical systems and distribution
- Maintenance and service of electrical systems, motors and motor controls as well as Variable Frequency drives
- High voltage ( 4kv – 115kv ) coordination and switching of distribution systems
- Preventative maintenance of Switchgear and all electrical systems

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?

- High School Diploma
- 5 year State approved Electrical Apprenticeship program
- 7 years Journey level experience in both commercial and Industrial electrical infrastructure
- Substation Maintenance Technician Certification

3. What do you like best about your job?

- a. The large scale and variety of available projects and work orders
- b. The people I work with and for
- c. Knowing I am providing a service for the community

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.

I don't have a specific job or project that I enjoyed more than another. I just like being part of a large scale facility in the industrial field. I love the complexity and the challenges that come up every day. Every day is different and when problems arise, the solution is a collaborative effort by all parties. Along with the teamwork comes camaraderie among your co workers.

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?

- a. A solid background in electrical theory and electrical trouble shooting skills
- b. Being a self motivated, self starter and safety orientated
- c. Good, positive attitude. Someone who is a team player and responsible
- d. Eagerness to learn and continue to learn new and old technologies and concepts

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

- a. Get a solid background and experience in the electrical industry.
- b. Get as much experience in automated industrial facilities as you can, even if it is entry level.
- c. Gain acceptance into a state approved apprenticeship program.