

IRVINE RANCH WATER DISTRICT
Job Description

Title: Water Maintenance Technician –Construction & Repair
FLSA Code: Non-Exempt

Salary Grade: XV, XX, XXIV
Department: 40/43

GENERAL PURPOSE

To install, maintain, repair, fabricate and modify pipelines, valves, hydrants, air-vacs, vaults, double detector check assemblies, backflow devices, meter assemblies, fire lines and services of water transmission and distribution facilities. Provide miscellaneous support to other Operations and Maintenance crews. May be required to participate in the District standby program and scheduled or unscheduled overtime.

DISTINGUISHING CHARACTERISTICS

The Water Maintenance Technician II and III positions are distinguished from each other by the following:

Water Maintenance Technician III:

- In the absence of the Water Maintenance Supervisor, responsible for supervising the crew, preparing work schedules, daily/weekly logs, and administrative responsibility for the work order system.
- Primary heavy equipment operator for: backhoe, skid loader, dozer, crane, mini excavator, rented large excavators and other equipment.
- Perform pipefitting and welding to transmission and distribution facilities.
- Provide training for the Water Maintenance Technicians I and II.

Water Maintenance Technician II:

- Secondary heavy equipment operator for: backhoe, skid loader, dozer, crane, mini excavator, and other equipment.
- Assist Water Maintenance Technician III and/or Water Maintenance Supervisor with pipefitting and welding to transmission and distribution facilities.

ESSENTIAL DUTIES AND RESPONSIBILITIES

The following is a non-exclusive list of essential duties and responsibilities. The duties listed below are intended only as illustrations of the various types of work that may be performed. The omission of specific duties does not exclude them from the position if the work is similar or related as determined by the incumbent's supervisor.

Perform pre-trip safety inspection on vehicles and equipment to be used daily. Ensure parts and materials are available and stocked on the crew truck.

Maintain and stock crew truck.

Routinely required to work in the streets and provide own traffic control, according to District safety standards.

Identify utility markings at job site to determine location for excavation.

Assume role of District representative to communicate with customers affected by scheduled work.

Shutdown water service at repair site, and install appropriate shoring as needed.

Perform appropriate installation, repair, modification, or fabrication of water transmission and/or distribution pipelines per District specifications.

Restore water service, backfill excavation site and install trench plate according to city and county specifications.

Ensure job site is left safe and clean.

Comply with District Dechlorination Procedures.

Provide miscellaneous support to other Operations and Maintenance crews.

Ability to identify and use transition couplings, full circle repair clamps, pipeline adapters, compression fittings, and other water related repair materials. Familiarity with C-900 PVC, A.C.P., ductile iron, steel, copper, brass, polybutylene, and plastic pipes. Ability to use gas detectors, pipe locator, jackhammer, compactor, chipping gun, cutoff saw, tapping machine, saw cutter, silver solder, gas torch, coring machine, boring machine, cement mixer, welder, compressor, pipe freezer, generator, pumps, rotary hammer, dump truck, forklift and a variety of other hand and power tools, as well as heavy equipment including backhoe, skiploader, dozer, crane, mini excavator, water truck, and air shovel.

Routinely required to work in permit and non-permit required confined space and rescue operations environment.

Ability to read and interpret blueprints, maps, atlases, District Specification Book, and MSDS.

Ability to safely handle and transport hazardous materials including: chlorine, sodium thiosulfate, ammonia, bitumastic, acetylene, asbestos, and fuels.

Perform occasional collection system repairs.

Safety Requirements: Attend appropriate safety training regarding job duties. Attend safety meetings of at least 30 minutes in duration, bi-weekly. Report safety violations or safety hazards to the Safety Office as soon as possible after awareness. All employees are required to notify their supervisor and the Safety Office of any sub-standard working conditions.

MINIMUM TRAINING, EXPERIENCE, AND KNOWLEDGE REQUIRED TO PERFORM ESSENTIAL JOB FUNCTIONS

High School Graduate.

Water Maintenance Technician III: Minimum three years experience in water related construction, installation or repair. Familiarity with hand and power tools.

Water Maintenance Technician II: Minimum two years experience in water related construction, installation or repair. Familiarity with hand and power tools.

Water Maintenance Technician I: At least one year of experience in water related construction, installation or repair. Familiarity with hand and power tools.

PHYSICAL AND MENTAL ABILITIES REQUIRED TO PERFORM ESSENTIAL JOB FUNCTIONS

The physical and mental demands described below are representative of those that must be met by employees to successfully perform the essential functions of this class. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

Language Ability and Interpersonal Communication

Ability to effectively communicate both oral and written. Ability to communicate effectively with all levels of office/field employees, management and vendors. Represent District in a professional manner when dealing with customers, outside contractors and agency officials. Ability to advise and provide interpretation to others on how to apply policies, procedures and standards to specific situations.

Mathematical Ability

Ability to add, subtract, multiply and divide. Ability to calculate cubic yards and square footage.

Judgment and Situational Reasoning Ability

Ability to use good personal judgment and discretion in performing all job functions.

Physical Requirements

Will lift 90 lbs. on a routine basis. Must be certified annually to wear respiratory equipment. Must be clean shaven such that facial hair does not interfere with the fit of self-contained breathing apparatus. Ability to exert heavy physical effort in heavy work, typically involving some combination of climbing and balancing, stooping, kneeling, crouching, crawling, lifting, carrying, pushing, twisting and pulling. Ability to operate equipment and machinery with some operations requiring complex and rapid adjustments. Ability to work in a confined space environment and in underground locations.

Environmental Adaptability

Ability to work under sometimes uncomfortable conditions with exposure to environmental factors such as toxic agents, wildlife, disease, or equipment, high speed traffic, or machinery.

LICENSE/CERTIFICATIONS REQUIRED

Valid Class 'A' California Driver's License. HazMat and Tanker Endorsement may be required on some crews. Competent Person Certification within 6 months of hire date. Forklift Certification Desired

California Dept. of Health Services Grade I Water Distribution Certification.

Department Approval/Date

Human Resources Approval/Date

Effective Date: 07/01/06