

## ANTELOPE VALLEY COMMUNITY COLLEGE DISTRICT

### PLUMBER

Salary Range 19

#### **BASIC FUNCTION:**

Under the direction of the Maintenance Supervisor, performs skilled work in installing, maintaining and repairing plumbing fixtures, including gas, water, wastewater, irrigation and related systems. Performs other related duties as may be assigned.

#### **REPRESENTATIVE DUTIES:** *E = indicates essential duties of the position*

- Plan, estimate, design and install plumbing systems and repair existing systems, including water, gas, air, wastewater, irrigation, backflow and cross-connection prevention; install, maintain and repair various types of heat exchange vessels and related systems. (E)
- Determines problems with water systems; repair valves, plugs, faucets and toilets, and order replacement parts as necessary; assures compliance with water and energy conservation methods and practices. (E)
- Repair gas leaks on boilers, water heaters and special appliances. (E)
- Install new plumbing fixtures, sinks, basins, toilets, drinking fountains, water heaters, dishwashers and other items. (E)
- Installs water piping, tap water and sewer mains and laterals. (E)
- Prepares and maintains records and reports related to assigned activities, including estimates, hazardous materials records, call logs and equipment and materials receipts. (E)
- Cuts and threads pipes; packs faucets and repairs water supply, waste, sewage and drainage pipes; wipe and wash joints and cleans drains and obstructions. (E)
- Works from blueprints and sketches in the repair of plumbing system; develop rough sketches and isometrics as necessary; develops plot charts of current plumbing facilities. (E)
- Plans, organizes and lays out assigned tasks; estimates labor and materials needed for projects; makes recommendations for the selection, ordering and storage of plumbing supplies and equipment. (E)
- Operates a variety of maintenance-related hand tools and power equipment, including pipe threading and bending equipment, soldering equipment and various gauges, pumps and drain cleaning equipment; operates assigned vehicles including a forklift and front-end loader. (E)
- Communicates with administrators, contractors and other related to assigned projects; trains and provides work direction to maintenance staff as assigned. (E)
- Performs preventive maintenance on fire sprinkler systems and pool equipment. (E)
- Reviews the work of contractors and reports progress. (E)
- Performs other related duties as may be assigned.

#### **EDUCATION AND EXPERIENCE:**

Any combination equivalent to: graduation from high school supplemented by completion of a plumbing apprenticeship program and three years journey-level plumbing experience.

#### **LICENSES AND OTHER REQUIREMENTS:**

Valid California driver's license.

Incumbents must qualify for a valid Forklift Certificate within the first year in this classification.

#### **KNOWLEDGE OF:**

Methods, material, shop math, tools and equipment used in the plumbing trade.

Applicable Uniform Plumbing codes and regulations.

Record-keeping techniques.

Health and safety regulations including CAL/OSHA requirements.

Operation and use of hand and power tools and equipment.

Technical aspects of field of specialty.

Gas, water, drain and vent sizing methods.  
Operation of torch curing equipment.

**ABILITY TO:**

Install, maintain and repair plumbing fixtures skillfully.  
Use a variety of tools and power equipment utilized in the basic trade.  
Perform skilled maintenance work as assigned.  
Work from blueprints, shop drawings and sketches.  
Operate a truck, observing legal and defensive driving practices.  
Understand and follow oral and written directions.  
Work independently with little direction.  
Establish and maintain effective working relationships with others.  
Meet schedules and time lines.  
Plan and organize work.  
Maintain records and prepare reports.

**WORK DIRECTION, LEAD AND SUPERVISORY RESPONSIBILITIES:** Not applicable – no permanent full-time staff to supervise.

**CONTACTS:** Co-workers, other departmental personnel, trade personnel, vendors, and government agencies.

**PHYSICAL EFFORT:**

Dexterity of hands and fingers to operate specialized hand and power tools and equipment.  
Heavy physical labor.  
Bending at the waist, kneeling or crouching.  
Standing for extended periods of time.  
Carrying, pushing or pulling.  
Turning/twisting.  
Climbing ladders and working from heights.  
Lifting heavy objects.

**WORKING CONDITIONS:**

Indoor and outdoor work environment.  
Driving a vehicle to conduct work.  
Seasonal heat and cold or adverse weather conditions.  
Regular exposure to fumes, dust and odors.  
Driving a vehicle during adverse weather conditions.  
Working in a cramped or restrictive work chamber.  
Working around and with machinery having moving parts.