



# Marin Municipal Water District

## Heavy Equipment Operator

### **DEFINITION**

Under general supervision, operates heavy mechanical equipment in the construction, installation and repair of water system facilities; to perform maintenance and construction work on water system facilities, roads, trails, recreation facilities and other watershed improvements; and to do related work as required.

### **DISTINGUISHING CHARACTERISTICS**

Incumbents in this classification operate a variety of heavy mechanical equipment, as well as performing skilled maintenance and repair work. Positions in both the general maintenance section and the watershed maintenance section will operate backhoes, loaders, cranes, dozers, graders, mowers, excavators and other related equipment. Positions assigned to the general maintenance section will primarily operate equipment in the repair and maintenance of pipelines and other water facilities including the maintenance and construction of transmission line roads. Positions assigned to the watershed maintenance section will primarily operate equipment in the maintenance, repair and construction of roads, trails and recreation facilities, and will also operate fire equipment.

### **EXAMPLES OF DUTIES**

The duties performed are determined by the operational work unit to which the Heavy Equipment Operator is assigned. The following duties are considered essential for all positions in this job classification:

- Operates a variety of heavy equipment such as backhoes, loaders, cranes, dozers, graders, mowers, excavators and other related equipment;
- Loads, unloads and transports heavy equipment;
- Operates dump trucks and other highway-type vehicles as required;
- Services, makes minor repairs and field adjustments to vehicles and equipment;
- Reports need for major repairs for vehicles and equipment;
- Utilizes the practical application of safety rules and regulations as they relate to the operation of heavy equipment; responsible for the safety of others by directing personnel working near or about the equipment being operated;
- Follows applicable state, federal and District safety rules and regulations;

- Keeps records of time, materials and equipment used.

In addition to the essential duties listed above, tasks within assigned departments may include, but are not limited to, the essential duties listed below. Each employee assigned to this classification may perform the additional duties listed below in the assigned department.

#### **Maintenance of Water Distribution Systems**

- Operates a variety of heavy equipment such as backhoes, loaders, cranes, dozers, graders, mowers, excavators and other related equipment used for pipeline installation and repair, construction of water systems and facilities;
- Performs duties and tasks of a Utility Worker I and II when not operating equipment or when directed;
- May direct other personnel and act as Utility Crew Leader in the absence of the Utility Crew Leader.

#### **Maintenance of Natural Resources and Watershed Facilities**

- Operates a variety of heavy equipment such as backhoes, loaders, cranes, dozers, graders, mowers, excavators and other related equipment used for repair, construction of facilities, and maintenance and construction of roads, trails, and recreation facilities.;
- Performs duties and tasks of a Maintenance Worker I and II when not operating equipment or when directed;
- Positions assigned to the Watershed may fight wildland fires;
- May direct other personnel and act as Maintenance Crew Leader in the absence of the Maintenance Crew Leader.

#### **QUALIFICATIONS FOR EMPLOYMENT**

Knowledge of:

- Construction practices, and safety precautions relating to the operation of heavy equipment and work sites;

#### **Maintenance of Water Distribution Systems**

- Street, road and highway locations in the County;
- Operation of heavy construction equipment;
- Water system and pipeline maintenance and installation practices.

#### **Maintenance of Natural Resources and Watershed Facilities**

- Maintenance practices, including erosion control and vegetation maintenance, for trails, recreation facilities and dirt roads;
- Environmental protection factors related to maintenance and construction on watershed lands;
- Wildland firefighting practices and equipment;

- Assists and/or participates in tasks related to wildland firefighting and prescribed vegetation burns, construction and maintenance of fire fuel breaks;
- Septic systems and their repair.

Ability to:

- Service and make minor repairs and adjustments to equipment;
- Perform heavy physical labor;
- Perform construction and repair of facilities, and/or maintenance and construction of roads, trails, and recreation facilities;
- Direct the work of others;
- Operate heavy construction equipment and other applicable vehicles;
- Work cooperatively with others;
- Work outdoors in all weather conditions and in traffic;
- Maintain accurate records;
- Write clear, concise documentation as needed;
- Read and understand basic construction drawings, maps, and plans;
- Understand and carry out written and oral instructions.

### **Training and Experience:**

Any combination equivalent to experience and education that could likely provide the required knowledge and abilities would be qualifying. A typical way to obtain the knowledge and abilities would be:

- Completion of the twelfth grade or its equivalent; and,
- Two years of experience in the construction trades or in the maintenance and repair of water district facilities, plus a demonstrated proficiency in the operation of a backhoe, mini excavator, and an operational familiarity with other heavy equipment.

### **OTHER REQUIREMENTS**

- Per California Government Code, Title 1, Division 4, Chapter 8, Section 3100 "all public employees are hereby declared to be disaster service workers subject to such disaster service activities as may be assigned to them by their superiors or by law."
- Work on an "on call" basis for emergency situations;
- Willingness to work outdoors in all weather conditions and in traffic;
- Willingness to wear prescribed uniform when working on watershed.

### **LICENSES AND/OR CERTIFICATIONS**

- Possession of an appropriate, valid California driver's license issued by the State Department of Motor Vehicles and satisfactory driving record upon appointment;
- Must obtain a valid Class A California driver's license issued by the State Department of Motor Vehicles within six months of appointment;
- An employee in this classification performs "safety-sensitive functions" and must comply with the United States Department of Transportation (DOT) regulations and is subject to the Federal Omnibus Transportation employee Testing Act of 1991;
- When assigned to the Watershed, will require possession or successful completion of a District Paid Wildland Fire Academy certificate within (12) months of appointment;
- Depending upon assignment, must possess, or obtain within twelve (12) months of appointment a First Aid Certificate or its equivalent and CPR certificate;
- When assigned to the Water Distribution System maintenance, an employee in this classification may perform the duties of a lead worker which requires possession of a Water Distribution Level I certification to comply with the State Water Resources Control Board. Possession of Water Distribution Level I certification is required within one year of appointment.

### **PHYSICAL DEMANDS AND WORKING CONDITIONS**

During the course of performing job duties the employee will perform heavy physical work and will need the mobility to operate equipment, which may include heavy equipment such as an excavator, backhoe and bulldozer, field equipment and/or office, or specialized instruments or tools requiring repetitive arm/hand movement and/or the coordinated movement of more than one limb simultaneously; enter and retrieve data from personal computers and terminals via keyboards. The employee frequently stands, walks, bends at neck and waist, twists at neck and waist, uses simple and power grasping with both hands, uses fine manipulation of both hands and fingers, and may require use of the arms above the shoulder, climb or balance; stoop, kneel or crouch. While working in the field the employee may walk on uneven or un-level ground surfaces such as hills, slopes, ditches or trenches, on or in tanks, and may work at heights up to ten to twelve feet climbing ladders or stairs. The employee is frequently required to lift and carry short distances objects such as materials or equipment weighing up to 50 to 75 pounds and occasionally lift material or operate tools weighing 75 to 110 pounds such as the operation of a jackhammer. This position requires that the employee demonstrate adequate hearing to detect warning alarms and speech to converse in person and over the telephone or radio, and vision to read printed materials and detect color coded materials, and use a computer screen. In order to drive, individuals must be physically capable of operating the vehicles and equipment safely.

The noise level in the work environment is moderate to loud noise. The employee is exposed to moving vehicles and other moving equipment and machinery, excessive noise, extremes in temperature, humidity, wetness and dust. The position may require the ability to work overtime and weekends as needed.

Employees who drive on District business to carry out job-related duties must possess a California driver's license for the class of vehicle driven and maintain satisfactory driving record which includes a review of a recent DMV history.

### **ADDITIONAL PHYSICAL DEMANDS**

- A self-contained breathing apparatus must be worn when working in confined spaces and employee must be capable of obtaining and maintaining a proper facial seal for District respiratory equipment.

*To be successful in this job, an individual must be able to satisfactorily perform each of the listed duties. These duties are representative of the knowledge, skill and/or ability required for the position. Reasonable accommodations may be made to enable individuals with disabilities to perform the duties and functions of the position. Requests for reasonable accommodation should be directed to the Human Resources Manager.*

Established: May 1978  
Revised: January 2008, July 2011, September 2019  
Approved by: Human Resources Manager