

# **SAN BERNARDINO MUNICIPAL WATER DEPARTMENT CLASSIFICATION SPECIFICATION**

**TITLE: WATER UTILITY EQUIPMENT MECHANIC II**

**DATE: 01/09/07**

**FLSA STATUS: Non-Exempt**

**JOB CODE: 21783**

**UNIT REPRESENTATION: General**

*Class specifications are intended to present a descriptive list of the range of duties performed by employees in the class. Specifications are not intended to reflect all duties performed within the job.*

## **DUTIES SUMMARY**

Under general supervision, to perform skilled diagnosis and repair work in the maintenance of light, medium, and heavy gasoline and diesel-powered automotive and construction equipment; and to perform related work as required.

## **DISTINGUISHING CHARACTERISTICS**

The class of Equipment Mechanic II is the journey level in the equipment mechanic series. Supervision is received from the Water Utility Equipment Maintenance Supervisor.

## **EXAMPLES OF DUTIES**

*The following duties are typical essential duties for positions in this classification. Any single position may not perform all of these duties and/or may perform similar related duties not listed here:*

- Provides courteous and expeditious customer service to the general public and City Department staff;
- Inspects, diagnoses and repairs mechanical defects or malfunctions in gasoline and diesel-powered vehicles and construction equipment, such as automobiles, trucks, tractors, backhoes, boom cranes and other power-driven mechanical equipment;
- Operates automotive test equipment, such as oscilloscopes, compression gauges, electrical testers, micrometers, exhaust analyzers and other testing equipment;
- Trouble-shoots, tears down, rebuilds, replaces or adjusts major assemblies and complex components, such as transmission and clutch assemblies, automatic transmissions, differentials, steering mechanisms, front and rear axle assemblies, electrical/hydraulic systems and other mechanical accessories;
- Grinds and adjusts valves;
- Tunes engines;
- Inserts cylinder sleeves;
- Measures crankshafts and fits crankshafts into connecting rods to crankshaft;

- Aligns camshaft to drive mechanism;
- Adjusts brakes;
- Performs emergency repairs out of shop;
- Maintains records of repairs completed and time worked;
- Operates Department vehicles;
- Performs related work as required.

## **QUALIFICATIONS**

*Any combination of education, training, and experience that would likely provide the knowledge, skills, and abilities to successfully perform in the position is qualifying. A typical combination includes:*

### **Knowledge of:**

- Methods, materials, tools and techniques used in the overhaul, maintenance and repair of gasoline and diesel-powered automotive and specialized fire equipment;
- Principles of internal combustion and diesel-powered engines, air conditioning, hydraulics and electrical systems;
- Principles of carburetion and injection;
- Engine diagnostic procedures;
- Operation and care of internal combustion engines, of chassis, and of parts and replacements;
- Simple record keeping;
- Shop mathematics applicable to the mechanical trade;
- Appropriate safety precautions and procedures.

### **Ability to:**

- Diagnose engine, drive train, cooling, electrical and fuel malfunctions;
- Use complex diagnostic instruments and meters;
- Use shop tools, including drills, presses, grinders, reamers, and brake relining machines safely and efficiently;
- Use gas and electric welding and cutting apparatus;
- Make repairs to motorized equipment;
- Maintain simple records;
- Perform moderately heavy physical labor;
- Read, understand and apply moderately complex materials;
- Maintain simple records;

- Operate a vehicle observing legal and defensive driving practices;
- Understand and carry out oral and written instructions;
- Establish and maintain effective relationships with those contacted in the course of work;
- Lift and transport materials and supplies weighing up to 50 pounds;
- See in the normal visual range with or without correction;
- Hear in the normal audio range with or without correction;
- Work in a variety of environmental conditions, indoors and out, including wide temperature variations, noise, vibrations, fumes, odors, and dust;
- Work under moderate stress conditions;
- Adhere to and comply with safety standards and the proper use of safety equipment.

### **MINIMUM QUALIFICATIONS**

**Education:** Graduation from high school or G.E.D equivalent,  
And

**Experience:** Three years of increasingly responsible experience as a mechanic performing journey level fleet maintenance repairs to light and heavy gasoline and diesel-powered equipment, automotive and construction equipment overhaul and repair.

And

Possession of a valid California Class "C" driver's license required upon application. Possession of a valid California Class "A" commercial driver's license with air brake endorsement, tanker endorsement and valid Medical Examiner's Certificate appropriate for the equipment to be operated is required six months after appointment. Note: For out-of-state applicants, a valid driver's license is required, and a valid California Class "C" driver's license must be obtained within ten (10) days of appointment (CA Vehicle Code 12505c), a valid California Class "A" commercial driver's license with air brake endorsement, tanker endorsement and valid Medical Examiner's Certificate appropriate for the equipment to be operated is required six months after appointment.

### **PHYSICAL TASKS AND ENVIRONMENTAL CONDITIONS**

There is frequent need to stand, sit, stoop, walk, and perform other similar actions during the course of the workday. Employee accommodations for physical or mental disabilities will be considered on a case-by-case basis.

Must be able to see in the normal visual range with or without correction with vision sufficient to read small print, computer screens and other printed documents. Must be able to hear in the normal audio range with or without correction. Employee accommodations for physical or mental disabilities will be considered on a case-by-case basis.

### **CAREER LADDER**

**From:**

**To:**

**Job Description:**

BOWC Appr:  
CSB Approved:

11/21/2006  
01/09/2007

**Testing Standards:**

City Promo/Supp App/CS Oral

08/23/2005