CLASS TITLE: WELDER

PURPOSE OF THE CLASSIFICATION: Under general supervision performs a variety of shop and field welding tasks at a skilled level and other related assigned duties.

ESSENTIAL TASKS:

- Designs, lays out, cuts, and fits metal in preparation for welding
- Welds a variety of fabricated metal parts for automotive and other types of mechanical equipment
- Welds sections of pipe fittings to withstand high as well as low pressures
- Brazes a variety of ferrous and nonferrous materials
- Inspects, brushes, and grinds welds
- Bends, forms, drills, and tempers metals
- Operates gas and electric welding equipment and a variety of other power equipment common to the trade
- Fabricates, modifies, and repairs structural components of vehicles, equipment, and traffic control devices (in some positions)
- Performs field welding to pressurized lines, including fabricating and installing collars or restraining clamps (in some positions)
- Plans and maintains inventory of structural metal and welding materials and equipment
- Performs painting, carpentry, and plumbing maintenance and repairs (in some positions)
- Assists with dead end mainline flushing and repairs at pump stations
- Makes repairs on automotive and other pieces of mechanical equipment
- Makes cost estimates for fabrication and modification repairs to all equipment
- Performs general housekeeping
- Assists in the removal of snow and de-icing (in some positions)
- Completes related paperwork as needed
- Some positions may act as a working leadperson with one or more helpers assigned to welding activities

Reasonable accommodations may be made to enable individuals with disabilities to perform the essential tasks.

QUALIFICATIONS:

Training and Experience: Graduation from high school or possession of a General Educational Development Certificate (GED), and five (5) years experience in the welding trade; must pass departmental welding assessment; 675 clock hours of technical school instruction in welding preferred, or an equivalent combination of training and experience per Personnel Policies and Procedures, Section 128.

Employee will be eligible for a one step increase upon completion of 675 clock hours of technical school instruction in welding and one (1) year employment in the position.

Knowledge, Abilities, and Skills: Good knowledge of the techniques employed in heating, cutting, brazing, and resurfacing ferrous and nonferrous metals with acetylene and electrical welding equipment; good knowledge of the properties of various ferrous and nonferrous metals and their application to welding; good knowledge of the standard practices, materials, processes, and tools of the welding trade; some positions may require good knowledge of automotive and mechanical equipment operation, including electrical, hydraulic, and other mechanical operations; and good knowledge of the occupational hazards and appropriate safety measures. Ability to maintain and make minor repairs to acetylene and electrical welding equipment; ability to use the appropriate equipment and machinery to repair or make new parts; ability to make or work from blueprints or shop drawings, perform layout, minor design work, and repair or replace broken parts; ability to work from bucket truck in heavy traffic; ability to train others in safety practices and procedures and the proper techniques employed in the welding trade; and the ability to courteously and tactfully communicate with fellow workers, supervisors, other members of the organization, and the public in giving and receiving information. Skill in the use and care of tools and equipment used in the welding trade.
Physical Requirements: Physical requirements include standing and walking; frequent lifts/carries up to 44 pounds; and occasional lifts/carries up to 80 pounds; constantly lifts/carries up to 16 pounds; frequent pushing up to 10 pounds and occasional pushing up to 60 pounds; occasional pulling up to 50 pounds; frequent balancing, bending, reaching, kneeling, and smelling; occasional crawling, climbing, and twisting; and vision, speech, and hearing sufficient to perform essential tasks.

Licenses and Certificates: Possession of valid Oklahoma Class "A" Commercial Driver's License (CDL) with endorsements within six (6) months of hire date; some positions may be required to obtain a Class "D" water/wastewater license from the Department of Environmental Quality (DEQ); some positions may require certification on self-contained breathing apparatus; and some positions may require certification as a Code Welder.

WORKING ENVIRONMENT: Working environment is outdoors and indoors, and in inclement weather. May be exposed to the following: hazardous materials, animal waste/dead animals, flammable liquids, radiation, traffic, underground 20-30 feet deep, confined work areas, extreme heights, excessive dust, weather/temperature extremes, trench excavations, underground gas/electric/petroleum lines, rough terrains, cutting/chipping/grinding, hazardous/toxic atmospheres, sewage, damp/wet surfaces, snow/ice covered surfaces, snake bites, insect bites, poisonous plants, overhead power lines, toxic fumes/vapors/odors, confined spaces, compressed gases, high noise areas, oily surfaces, and refuse/garbage/litter; and may be required to work overtime and be on 24 hour standby.

Class Code: 7507
EEO Code: N-07
Pay Grade: LT-18

Group: Labor and Trades
Series: Equipment and Plant Management

Effective date: March 15, 2017