

**KENNEWICK IRRIGATION DISTRICT
JOB DESCRIPTION**

MAINTENANCE II

REPORTS TO: Assistant Operations/Maintenance Manager

DATE: October 2020

GENERAL SUMMARY:

Under the direction of the Assistant Operations/Maintenance Manager, this position performs a variety of work activities that support the District operations, maintenance, and construction activities. In order to achieve step 5 of this classification, incumbent must obtain a Class A-CDL with Tanker Endorsement.

This position has two alternative qualifications:

- 1) CDL Option: Class-A Commercial Driver's License with Tanker Endorsement
- 2) Three years progressive experience in Operations, Maintenance, Landscaping and Construction at KID or five years progressive experience in Operations, Maintenance, Landscaping, Construction and/or other related field(s)

ESSENTIAL DUTIES:

1. Maintain the District Main Canal, canal laterals and patrol roads
2. Isolate systems and record information on the District computer systems
3. Maintain the piping and valves within any District system,
4. Replace turnout gates and other water diversion components
5. Install and repair underground piping of all sizes, materials and depths, including but not limited to: fittings, restraints, valves, and vaults
6. Flush pressurized service area lines and other various areas within the District
7. Follow requirements for trenching and compaction
8. Follow safety requirements for trenches and road construction
9. Make asphalt repairs and install new asphalt
10. Mark and call in locates
11. Respond to customer trouble calls within District and other pressurized service area systems regarding problems with the customer's water delivery
12. Communicate with Customer Service on status of work orders and customer inquiry calls
13. Record all calls received, work completed and parts used on daily work orders
14. Install concrete forms, pour and finish concrete
15. Produce and maintain records for operations, maintenance, replacement and construction of District facilities and property including, but not limited to: vehicle mileage and equipment hours, materials hauled to canal locations, District property mowed, pesticide applications, maintenance parts inventory used, pump station performance, water records, and service orders
16. Driving fleet vehicles
17. May burn weed growth throughout District canal systems
18. Clear canal weed screens from blockage with hand tools, removing debris and wind-blown materials
19. Frequently use tools such as shovels, weed rakes, pitch forks, pipe cutters, wrenches, hammers and other maintenance hand tools.
20. Frequently use a variety of power tools such as gas cutting torches, welders, soil compactors, concrete saws, impact wrenches, compressors, jack hammer, saws-all, chain saws, brush mowers, weed cutters and other general power tools as necessary

21. Inspect and service District heavy equipment prior to operating assigned equipment
22. Operates a variety of motorized equipment such as pickup trucks, boom trucks, dump trucks, vacuum truck, graders, dozers, back hoe, wheel loaders, excavators and other heavy equipment as necessary
23. Work is performed with general oral and/or written instruction and with limited supervision.
24. Work scheduled weekend and holiday assignments when assigned
25. Other duties as assigned.

With Class-A Commercial Driver License option: In addition to the list above, operate vehicles/equipment that require a Class A CDL

KNOWLEDGE, SKILLS, AND ABILITIES:

KNOWLEDGE OF:

1. Washington State safety standards and requirements

SKILLS AND ABILITY TO:

WITH CDL OPTION:

1. Communicate effectively in writing, handwrite legibly
2. Communicate effectively orally on a telephone and two-way radio
3. Operate personal computers using District software products
4. Perform the physical requirements of the job, which includes lifting and carrying up to 100 lbs
5. Establish and maintain effective working relationships with fellow employees
6. Operate vehicles/equipment that require a Class A CDL, including but not limited to, dump truck, towing multi-axle trailers, tractor truck.

WITHIN ONE YEAR OF EMPLOYMENT:

1. Identify, operate, maintain, and replace/install components of irrigation infrastructure
2. Read maps, blue prints and charts related to operations, maintenance, and replacement of water diversions, canals, and distribution systems
3. Identify, analyze and appropriately correct abnormal conditions or situations in irrigation delivery systems and equipment
4. Maintain and repair a variety of irrigation distribution piping including PVC, steel, asbestos, concrete and others within the District.
5. Properly secure trailer loads of all sizes
6. Operate heavy equipment

WITH EXPERIENCE OPTION:

7. Identify, operate, maintain, and replace/install components of irrigation infrastructure
8. Read maps, blue prints and charts related to operations, maintenance, and replacement of water diversions, canals, and distribution systems
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LICENSES/CERTIFICATES AND REQUIREMENTS:

1. High School Diploma or equivalent
2. Washington State Driver License
3. Three years' progressive experience at KID or 5 progressive experience in construction, maintenance, landscaping, or other related fields **OR** Class-A Commercial Driver License with Tanker endorsement (Tanker endorsement obtained within 6 months).
4. Acceptable Washington state vehicle driving record and criminal record
5. Basic First Aid Certificate with CPR (obtain within one year of employment)
6. Forklift Operator Certification (obtain within six months of employment)
7. Flagger Certification (obtain within one year of employment)
8. AC Pipe Certification (obtain within one year of employment)
9. Competent Persons Certification (obtain within one year of employment)
10. Confined Space Certification (obtain within one year of employment)

WORKING CONDITIONS:

1. This position is normally field work outdoors in all weather conditions with some shop work as required
2. Exposure to pesticides, petroleum products, extremes of weather, raw water, mud and dust at work sites, street traffic, water born algae and weeds
3. Heavy lifting and pulling up to 100 lbs., standing, kneeling, sitting, crawling, bending, stooping and twisting on a continuous basis


Job Analysis

| | N | S | O | F | C | Notes |
|--------------------------------|---|---|---|---|---|---|
| Climbing | | | | X | | Over pipes, down/up metal or wood stairs |
| Balancing | | | | | X | On uneven ground, on ladder |
| Stooping/Bending | | | | | X | On uneven ground; check meter reads, adjusting gates; logging equip. checks; installing check boards. |
| Twisting Squatting/Kneeling | | | | | X | On uneven ground, paved/unpaved |
| Crawling | | X | | | | Over under pipes, motors, weir boxes |
| Foot Controls | | | | X | | Vehicle, equipment |
| Lifting | | | | X | | Vault lids, small motors, hoses, |
| Reaching Forward | | | X | | | Open door, adjusting gates. |
| Reaching Level | | | X | | | Adjusting gates |
| Reaching Below Waist | | | X | | | Work on meter in meter box, close valve; pulling weeds off weed screens |
| Reaching Above Shoulder | | | X | | | Priming Pumps; Changing light bulb; |
| Handle/Grasp | | | | | X | Pitch fork |
| Fine Finger Manipulation | | | | | X | Tools, steering wheel, parts |
| Hand Controls | | | X | | | Vehicle/backhoe, |
| Repetitive Motion | | | | X | | Body Part: Cycles/hr |
| Vibratory Tasks | | | X | | | Vibration of power/hand tools |

| | N | S | O | F | C | Notes |
|--------------------------------------|---|---|---|---|---|--|
| Pulling | | | | X | | Cleaning weed screens |
| Talking | | | X | | | With customers, peers |
| Hearing | | | | | X | With customers, peers |
| Visual | | | | | X | Light, dark, twilight, inside/outside; peering in; checking mirrors; looking for hazards |
| Environmental Conditions | | | | | | |
| Exposure to Weather | | | | | X | Position works outside |
| Extreme Cold | | | | | X | Capital improvement projects |
| Extreme Heat | | X | | | | |
| Wet and or Humidity | | | X | | | Outside position |
| Proximity to moving mechanical parts | | | | X | | Amon Pump; other pumps, motorized weed screens |
| Noise Intensity – Loud | | | X | | | |
| Exposure to Heights | | | X | | | |
| Exposure to Electricity | | X | | | | |
| Exposure to Toxic/Caustic Chemicals | | | X | | | Need to be aware when chemical applications are made to canals |
| Exposure to Radiation | X | | | | | |
| Other | | | | | | |
| | | | | | | |

Key:
N = Never
S = Seldom

O = Occasional
F = Frequent
C = Constant

Approved: 
Charles Freeman, District Manager

Date: October 6, 2020

Date Board confirmed: October 6, 2020