

JOB TITLE: Utility Worker II (Wastewater-Renton) DOT#: 955.687-010
EMPLOYEE: CLAIM

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KING COUNTY ON SITE JOB ANALYSIS

JOB TITLE Utility Worker II (Renton Wastewater)

JOB CLASSIFICATION Utility Worker II

DOT TITLE Sewage Disposal Worker

DOT NUMBER 955.687-010

DEPARTMENT Natural Resources and Parks

DIVISION Wastewater

OF POSITIONS IN THE DEPARTMENT WITH THIS JOB TITLE 5

ADDRESS OF WORKSITE:

1200 MONSTER RD SW
RENTON WA 98057-2962

CONTACT NAMES: (1) Tom Haeflinger or (2) Chris Tinnin

CONTACT'S PHONE (1) 206-684-2458 (2) 206-684-2405

CONTACT'S JOB TITLE (1) Senior Operator In Charge (2) Crew chief

DATE COMPLETED 3/11/2010-3/19/10

Supervisor (Incoming): Mike Wohlfert Phone # 206-684-2410

WORK HOURS 4 10-hour shifts from 6:00am to 4:30 with two 15-minute breaks and a 30 minute lunch.

OVERTIME Some overtime may be required on an emergency basis. Additionally, an employee may request consideration for non-emergent overtime at the employer's discretion

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JOB DESCRIPTION

Performs a wide variety of routine manual work tasks to assist skilled craftsman in their maintenance of wastewater treatment plant buildings and grounds. May also assist Plant Operators in wastewater processing operations as directed.

ESSENTIAL ABILITIES FOR ALL KING COUNTY JOB CLASSIFICATIONS

1. Ability to demonstrate predictable, reliable, and timely attendance.
2. Ability to follow written and verbal directions and to complete assigned tasks on schedule.
3. Ability to read, write & communicate in English and understand basic math.
4. Ability to learn from directions, observations, and mistakes, and apply procedures using good judgment.
5. Ability to work independently or as part of a team; ability to interact appropriately with others.
6. Ability to work with supervision, receiving instructions/feedback, coaching/counseling and/or action/discipline.

JOB SPECIFIC REQUIREMENTS

1. Valid Washington State Driver's License with an acceptable record.
2. A Commercial Driver's License would be an asset in some positions, but may be required in others.
3. Successful completion of a pre-employment physical exam as well as perceptual ability and problem solving tests. The test may include activities such as assembling and disassembling pipes, lifting sandbags, shoveling, using a wheelbarrow, using light electrical tools (such as a drill), and ladder
4. For some positions, successful completion of a pre-employment respiratory medical evaluation questionnaire and pulmonary function test is required.
5. Mental flexibility: Ability to perform widely varied tasks and to respond to emergent events that require abruptly terminating one task to participate in another one.

ESSENTIAL FUNCTIONS Listed in order of importance

1. Carries out general preventative maintenance checks and services such as cleaning and repairs on vehicles, buildings and grounds at wastewater treatment plant and associated facilities.
2. Operates a variety of equipment, machinery and/or vehicles such as hand and power tools, power and riding lawnmowers, landscape equipment, tractors, forklifts, cranes, vacuum trucks, back hoes, portable pumps, dump trucks, etc.
3. Assists skilled trades with basic building maintenance and repair tasks such as carpentry, (building/repairing decks) plumbing (clearing drains, changing washers, valves) , painting (primarily preparation work),,

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- cleaning and custodial tasks, such as hosing, sweeping, mopping, washing windows, mowing lawns, changing light bulbs, etc..
4. Participates in continuing education, safety and training
 5. Trains other personnel (interns, trainees, new staff) in laboring tasks, procedures and equipment operation.
 6. Works with and around chemicals associated with maintaining wastewater facilities and grounds, such as cleaning agents, solvents, fertilizers, herbicides, etc.
 7. Performs work according to business and team standards.
 8. Performs all essential duties in compliance with safety guidelines, policies and regulations.
 9. May be assigned to work alternative schedules or occasional nights and/or weekends on an emergency basis.
 10. Maintains daily written and/or computerized logs and completes work requests on assignments.
 11. Performs other duties as assigned.

TOOLS, MACHINES, EQUIPMENT, PRODUCTS, AND SERVICES USED

Safety: Hard hat, eye protection, hearing protection, fall protection, foot protection (steel toe or rubber boots), gloves, rain gear and breathing protection including air fed and self contained breathing apparatuses.

Work tools & equipment: Shovel, broom, hoses (¾"-6"), light bulbs, pressure washer, filters, truck, dump truck, forklift, various pumps, sewer cleaner, steam cleaner, cart, garden tractor, all-terrain vehicle (ATV), drill, hand tools, grinder, sawsall, handsaw, skill saw, chainsaw, pneumatic air wrench, crane, back hoe, wrenches, hacksaw, computer, edge trimmer, blower, power lawnmower, riding lawnmower, heating ventilation and air conditioning (HVAC) filters.

PHYSICAL DEMANDS AS JOB IS TYPICALLY PERFORMED

Continuously = occurs 66-100% of the time or more than 6 ½ hrs/shift

Frequently = occurs 33-66% of the time; 3 ½-6 1/2 hours/10-hour shift

Occasionally = occurs 1-33% of the time

Rarely = may occur less than 1 % of the time

Never = does not ever occur (such demands are not listed)

This job is classified in the US Govt., Dictionary of Occupational Titles

as Very Heavy, a category that implies lifting/carrying requirements of > 100 pounds occasionally, and/or > 50 pounds frequently, and/or in excess of 20 pounds constantly. However in reality, as documented below this job falls in the Medium category of physical demands with lifting and carrying of 20-50#.

Note: Because this position supports multiple crafts, the duties & physical demands can be quite varied during any day & throughout the work year.

The listed demands represent how job is “typically performed” although emergent needs may require greater physical abilities at times.

Standing

Continuously on level tile, flat cement, steep inclines, & uneven ground. May occur maximally, for up to 3 1/2 hours at a time and for up to 8 hours total in a 10-hour work shift. Most typically occurs 30 minutes at a time and up to 6 hours/shift. Task occurs while shoveling sand or cleaning grounds with hose.

Walking

Continuously on flat linoleum, flat cement, steep inclines, uneven ground, in tunnels, thick vegetation and wet/slippery surfaces. May walk for distances of up a few feet to 1 mile, for 3 to 30 minutes at a time and or up to 9 hours total in a work shift. Most commonly occurs while moving from building to building, checking fire extinguisher maintenance changing lights.

Sitting

Frequently to Continuously on an automobile seat, office chair or conference room chair. Though typically sits for 1 hour at a time, on occasion may sit for up to 3 hours at a time for up to 9-hours total in a work shift. Most commonly occurs while driving to/from various work sites (eg Vashon Island), performing vector truck duties, performing data entry and retrieval and while attending training and meetings

Climbing stairs

Occasionally for up to 2 minutes at a time while climbing up to 2 flights at a time for up to 30 minutes total in a work shift. Most commonly occurs while performing PM on roof mounted HVAC systems. Employee may carry a 20# box of HVAC filters when climbing stairs.

Climbing

Occasionally on ladders to heights of 8-12 feet typically but as much as 30 feet on rare occasion for up to 3 minutes at a time for up to 20 minutes total in a work shift. Most commonly occurs while changing light tubes and bulbs.

Balancing

Continuously on wet/slippery surfaces, uneven ground, steep slopes and ladders. Maximally balances up to 3 hours at a time for up to 9 hours total in a work shift. Most commonly occurs while carrying gear on a hillside with thick vegetation and cleaning tanks. Most typically balances for 4 hours/ shift in lift device while cleaning windows, changing outside lights and pressure washing buildings.

Bending neck up

Frequent & intermittent but highly repetitive activity lasting 2-3 minutes at a time for up to 6 hours total in a work shift. Most commonly occurs when replacing light bulbs, locating items on upper shelves, pressure washing, using hoists and setting up ladders.

Bending neck down

Continuously & Highly Repetitive for up to 2 hours at a time for up to 9 hours total in a work shift. Most commonly occurs while washing tanks, cleaning grounds with a fire hose or spraying herbicides.

Bending/Stooping

Frequently on wet/slippy surfaces, uneven ground and steep slopes for up to 10 minutes at a time for up to 4-5 hours total in a work shift. Most commonly occurs while weeding, wrapping hoses and shoveling. May kneel or squat.

Kneeling

Frequently on wet/slippy surfaces, uneven ground and steep slopes for up to 30 minutes at a time for up to 4-5 hours total in a work shift. Most commonly occurs while weeding, replacing HVAC filters, wrapping hoses and shoveling. May squat instead.

Squatting

Frequently on wet/slippy surfaces, uneven ground and steep slopes for up to 30 minutes at a time for up to 4-5 hours total in a work shift. Most commonly occurs while weeding, wrapping hoses and shoveling. May kneel or bend or sit.

Crawling

Occasionally on flat cement surfaces for distances of up to 20 feet for up to 1 minute at a time for up to 1 hour total in a work shift. Most commonly occurs while replacing HVAC filters, cleaning floor drains and weeding.

Operating Controls with Feet

Continuously for up to 3 hours at a time for up to 9 hours total in a work shift while driving a truck, tractor, material mover, pickup, back hoe, dump truck, vacuum truck, riding mower and ATV.

Reaching above shoulder height

Frequently for up to 2-3 minutes at a time for up to 6 hours total in a work shift while changing lights, removing lighting covers and pressure washing.

Reaching at waist to shoulder height

Continuously & Highly Repetitive for up to 3 hours at a time for up to 9 hours total in a work shift while driving a vehicle, operating a fire hose, using a weed eater, pressure washing, operating hand and power tools.

Reaching at knee to waist height

Continuously & highly repetitive for up to 3 hours at a time for up to 8 hours total in a work shift while using a wheelbarrow, shoveling, replacing HVAC filters and pressure washing.

Reaching at floor to knee height

Frequently & highly repetitive on wet/slippery surfaces, uneven ground and steep slopes for up to 10 minutes at a time for up to 4-5 hours total in a work shift. Most commonly occurs while weeding, replacing HVAC filters, wrapping hoses and shoveling.

Lifting 1-10 pounds

Frequently for up to 1.5 hours at a time and for 3-4 hours intermittently during an 8-10 hour work shift. Most commonly occurs with weights of 4-8 pounds while using hand or hand-held power tools, garden hoses and radio.

Carrying 1-10 pounds

Frequently for up to 1.5 hours at a time and for 3-4 hours intermittently during an 8-10 hour work shift. Most commonly occurs with weights of 4-8 pounds while using hand or hand-held power tools, garden hoses and carrying a 2-way radio.

Lifting 11-20 pounds

Frequently for up to 2-3 minutes at a time for up to 5 hours total in a work shift. Most commonly occurs with weights of 15-17 pounds while shoveling as well as loading and unloading hoses, buckets, and power tools.

Carrying 11 -20 pounds

Occasionally for distances of up to 150 feet for up to 5 minutes at a time for up to 4 hours total in a work shift. Most commonly occurs with weights of 15-17 pounds while transporting hoses and boxes of HVAC filters and portable heaters.

Lifting 21-50 pounds

Occasionally 5 minutes at a time and up to 3 minutes total in a work shift. Most commonly occurs with weights of 25-45 pounds while loading and unloading portable heaters, 5-8 foot ladders, pallets and hoses.

Carrying 21-50 pounds

Occasionally for distances of up to 1/4 mile for up to 20 minutes at a time for up to 2 hours total in a work shift. Most commonly occurs carrying 5-8' ladders and other objects weighing 30-40 pounds.

Lifting 51-100 pounds

Never: Lift equipment or second worker are mandated for weights of 60-80 pounds (eg. 8-15 foot ladders, manholes and drainage grates

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Lifting/carrying assistance available includes but is not limited to carts, cranes, lifts, pulleys, forklifts, trucks, and tractors.

Carrying 51-100 pounds

Never: Additional assistance is mandated for heavier tasks such as carrying 8-15' ladders, water-filled fire hoses, water bladders and sand bags, Most typically 2 workers are used to carry objects weighing 60-80 pounds such as flex lines, hydraulic lines and bags of garbage

Lifting 100+ pounds**

Never: Workers are mandated to utilize two or more persons or lift equipment when required to move objects weighing in excess of 50 pounds. Most commonly occurs 1 time per year with multiple workers lifting and carrying objects weighing 150-200 pounds such as larger pumps or reels of flex line.

Carrying 100+ pounds

Never: Workers are mandated to utilize two or more persons or lift equipment when required to move objects weighing in excess of 50 pounds. Most commonly occurs 1 time per year with multiple workers lifting and carrying objects weighing 150-200 pounds such as larger pumps or reels of flex line.

Pushing and Pulling

Occasionally for distances of up to 200 feet for up to 3 minutes at a time with a force of up to 50# pounds for up to 3 hours total in a work shift while pushing and pulling flex lines. Worker also pushes and pulls brooms, shovels, pressure washer, wheelbarrow, digester hoses, and hydraulic hoses.

Handling

Continuously & highly repetitive for up to 3 hours at a time for up to 9 hours total in a work shift while pressure washing, driving, digging, and using power and hand tools.

Operating Controls with Hands

Continuously & highly repetitive for up to 3 hours at a time for up to 9 hours total in a work shift while pressure washing, driving, performing vector truck duties and using hand tools.

Fingering

Frequently for up to 30 minutes at a time for up to 5 hours total in a work shift while writing, keyboarding, replacing light bulbs, replacing HVAC filters, performing data entry, using the computer mouse, performing paperwork and assembling pumps.

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Feeling

Rare for 3 seconds at a time for up to 1 minute total in a work shift. This is done while feeling pipes, pumps and equipment for overheating.

Talking

Occasionally for up to 5 minutes at a time for up to 2 hours total in a work shift . Most typically occurs while attending meeting, coordinating with superiors and co-workers, ordering parts and using the 2-way radio.

Hearing

Continuously for up to 3 hours at a time for up to 9 hours total in a work shift. Must typically occurs while driving as well as listening for moving machines, back-up sirens, alarms, faulty machinery and other safety hazards.

Seeing

Continuously for up to 3 hours at a time for up to 9 hours total in a work shift . Most typically occurs while using near-vision to read gauges, instructions, and checklists. The employee also uses distance and peripheral vision when driving and watching for safety hazards. Employees may use color vision while identifying the color of alarm beacons and valve covers. The employee may need to utilize night vision when working before dawn or after sunset or other poorly lighted conditions (eg. in tunnels).

Working with Heightened Awareness

Continuously for up to 3 hours at a time for up to 9 hours total in a work shift . Most typically occurs while identifying safety hazards such as moving machinery, spills, chemical exposures, hazardous materials and fall potentials. The employee also uses heightened awareness when identifying various alarm beacons.

ENVIRONMENTAL FACTORS

Work is performed in an industrial wastewater treatment plant setting where the worker is exposed to or in close proximity to heavy operating machinery, high voltage electricity, raw sewage, adverse weather conditions, uneven surfaces, cat walks/metal grating, noxious or toxic gasses and chemicals, as well as loud noises. The noise level is quiet to very loud. Hearing protection, eye protection, breathing protection and hard hats are required in some areas.

The noise level is

Approximately 47-114 decibels. The noise is caused by various power tools, jackhammer, large machinery, trucks and cogeneration raw sewage engines.

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Work environment may include the following exposure(s):

Outside weather: Continuously
Non-weather related temperatures below 55 degrees: Frequently
Non-weather related temperatures above 75 degrees: Occasionally
Wet: Continuously
Humidity/dampness: Continuously
Fumes: Frequently
Odors: Continuously
Dusts: Frequently
Mists: Frequently
Gases: Frequently
Moving mechanical parts: Continuously
Vibration: Frequently-Continuously
Working in high, exposed places: Frequently
Working with explosives: Not Applicable
Toxic or caustic chemicals: Occasionally
Confined spaces: Occasionally
HCP Initials if Restricted

POTENTIAL MODIFICATIONS TO JOB

Utilize hydraulic tailgate lift on trucks, ergonomic material handling devices, forklifts, lift trucks, chain falls, hoists and cranes to reduce lifting. May utilize a person-lift truck when possible to reduce some climbing tasks. Make every effort to obtain assistance with any lifts over 50#.

Signature of Evaluator

Date

Signature & title of contact

Date

Signature & title of employee

Date

HEALTH CARE PROVIDER SECTION Check all that apply

The employee is released to perform the described duties without restrictions on performance or work hours.

The employee is released to perform the described duties on a reduced schedule. The recommended schedule is:

Temporary until _____ Permanent as of _____

The employee is released to perform the described job with the following modifications:

Temporary until _____ Permanent as of _____

The employee is not released to perform the described duties due to the following job functions:

Temporary until _____ Permanent effective _____

The employee is unable to work in any capacity.
A release to work is: anticipated by _____ Not expected

The limitations are due to the following objective medical findings:

Printed or typed name and phone number of Health Care Provider

Signature of Health Care Provider

Date