

JOB TITLE: Equipment Operator II
EMPLOYEE:
VRC: Loren Forsberg

DOT #: 859.683-010
CLAIM #



KING COUNTY ON SITE JOB ANALYSIS

JOB TITLE Equipment Operator II **JOB CLASSIFICATION** 9324100

DOT TITLE Heavy Equipment Operator **DOT NUMBER** 859.683-010

DEPARTMENT Natural Resources **DIVISION** Solid Waste

OF POSITIONS IN THE DEPARTMENT WITH THIS JOB TITLE 25

JOB STATUS Full Time

ADDRESS OF WORKSITE 16645-228th Ave. S.E. Maple Valley, WA 98038

CONTACT'S NAME Dean Voelker **CONTACT'S PHONE** (206) 296-0469

EMPLOYER JOB TITLE Landfill Operations Supervisor

DATE COMPLETED 08/14/02

VRC NAME Jeff Casem **DATE REVISED** 6/23/09

WORK HOURS 5 – 8 hour shifts, 4 – 10 hour shifts, or 7 days on/7days off

OVERTIME
Occasionally

JOB DESCRIPTION

Employees in this position operate motorized equipment to construct and maintain King County rights of way, facilities and structures through the safe and efficient operation of heavy or specialized equipment with complex controls requiring considerable manipulative skills.

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.

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4. Ability to learn from directions, observations, and mistakes, and apply procedures using good judgement.
5. Ability to work independently or 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

Knowledge of operational manuals. Knowledge of hazardous materials and methods of how to safely work with them. Skill and mechanical aptitude in use and care of equipment. Knowledge of driving laws and proper use of equipment; road building materials; basic survey principles, applying construction safety principles and practices applying federal, state, county and local environmental regulations related to the work; Seattle/King County roadways and surrounding street system; traffic control systems, plans and specifications; basic familiarity/skill in using small hand tools; skill in operating equipment in high density traffic under adverse weather conditions; use of heavy equipment operations. Must possess a Washington State Driver's license. Certification from the Solid Waste Association of America (SWANA). Washington State DOT medical card. Commercial Driver's License Class B with air brake endorsement.

ESSENTIAL FUNCTIONS

1. Operate motorized equipment such as grader (over 10 tons), backhoe, front end loader (2.5 to 4 yards), sweeper and slope mower. Also operates Refuse Tippers, trackhoe, forklift, bull dozer, roller or paving machine. Operates equipment to grade, spread, sweep, remove, mow, dig, ditch, build, cut, load, clean, lift or apply various materials.
2. Respond to on-site accidents, emergencies and hazardous spills to assess immediate concerns and respond to them with equipment.
3. Monitor, control and direct activities at job site; control flow and sequence of trucks dumping; direct customers to appropriate areas.
4. Perform visual safety inspection of vehicle, check and correct fluid levels and tire pressure, refuel vehicles, maintain vehicle cleanliness and perform pre-trip inspections.
5. Identify potentially hazardous or unacceptable materials at job site and coordinate proper disposal.
6. Inform direct, monitor and control customers and general public observers of work in progress at landfills and various county work locations.

NON-ESSENTIAL FUNCTIONS

1. Operate other equipment as special projects may necessitate.

TOOLS, MACHINES, EQUIPMENT, PRODUCTS, AND SERVICES USED

Grader, backhoe, excavator, front end loader (2.5 to 4 yards), crane (over 10 tons), landfill refuse compactor (20 tons and over), Dozer (D-9 or similar),

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Tarnapall Scraper, Roller/vibratory (not enclosed), forklift, slope mower, radio, hand tools, digging bar, choker, pen or pencil.

PHYSICAL DEMANDS AS JOB IS TYPICALLY PERFORMED

Continuously = occurs 66-100% of the time

Frequently = occurs 33-66% of the time

Occasionally = occurs 1-33% of the time

Rare = may occur less than 1% of the time

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

This job is classified as

Medium

Standing

Occasionally on blacktop, cement, gravel, dirt, equipment for 10 – 15 minutes at a time for up to 1 hour total in a work shift. Most commonly occurs while inspecting equipment, talking to other workers, reviewing plans and paperwork, and making minor adjustments to equipment.

Walking

Occasionally on blacktop, cement, gravel dirt, equipment for a distance of 10 feet to 200 feet for 10- 15 minutes at a time for up to 1 hour total in a work shift. Most commonly occurs while moving between pieces of equipment, inspecting equipment, and while interacting with other workers and lead personnel.

Sitting

Continuously on equipment seats for up to 2.5 hours at a time for up to 7 (9 hours in a 10 hour shift) hours total in a work shift. Most commonly occurs while operating various pieces of motorized equipment.

Climbing

Rare – Occasional on various pieces of motorized equipment to heights of 6 – 10 feet for 10 – 15 seconds at a time for up to 3-7 minutes total in a work shift. Most commonly occurs while getting on and off equipment.

Balancing

Rare – Occasionally on various pieces of motorized equipment at heights of 6-10 feet for 10 – 15 seconds at a time for up to 3-7 minutes in a total in a work shift. Most commonly occurs while getting on and off equipment.

Bending/Stooping

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Rare on blacktop, cement, dirt, gravel, equipment surfaces for 1- 10 seconds at a time for up to 5-10 minutes total in a work shift. Most commonly occurs while checking oil, cleaning tracks, and inspecting equipment.

Crouching

Rare - Occasional on blacktop, cement, dirt, gravel, equipment surfaces for 10 – 20 seconds at a time for up to 5-20 minutes total in a work shift. Most commonly occurs while cleaning tracks, inspecting, and making minor adjustments to equipment.

Operating Controls with Feet

Continuously for up to 2.5 hours at a time for up to 7 hours total (9 hours in a 10 hour shift) in a work shift while depressing foot pedals and controls of various pieces of motorized equipment.

Reaching above shoulder height

Occasionally for 10 seconds – 3 minutes at a time for up to 10 – 20 minutes total in a work shift while operating controls on equipment, performing inspections, and cleaning tracks.

Reaching at waist to shoulder height

Continuously for up to 2.5 hours at a time for up to 7 hours total (9 hours in a 10 hour shift) in a work shift while operating hand controls on the various equipment during the operation process.

Reaching at knee to waist height

Rare for 1- 10 seconds at a time for up to 2 – 4 minutes total in a work shift while performing equipment and construction inspection.

Reaching at floor to knee height

Rare for 1-10 seconds at a time for up to 1 – 3 minutes total in a work shift while performing equipment and construction inspection.

Lifting 1-10 pounds

Rare – Occasionally for 3-5 minutes at a time for up to 30 – 45 minutes total in a work shift. Most commonly occurs with weights of 1 pound while talking on the radio, handling paperwork, and using small tools or equipment.

Carrying 1-10- pounds

Rare - Occasionally for distances of 100 – 200 feet for 5 minutes at a time for up to 15-30 minutes total in a work shift. Most commonly occurs with weights of 1 pound while working with the radio, paperwork, and small hand tools.

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Lifting 11-20 pounds

Rare – Occasionally for 3 minutes at a time for up to 30 – 45 minutes total in a work shift. Most commonly occurs with weights of 12 pounds while utilizing various hand tools and equipment.

Carrying 11-20 pounds

Rare – Occasionally for 3 minutes at a time for distances of 10 – 50 feet for up to 30 – 45 minutes total in a work shift. Most commonly occurs with weights of 12 pounds while obtaining, using, or operating tools and equipment in conjunction with equipment operation tasks.

Lifting 21-50 pounds

Rare – Occasional for 10 seconds – 3 minutes at a time for up to 30 – 1 minutes total in a work shift. Most commonly occurs with weights of 25 – 30 pounds while using a digging bar, choker, or bar to clean equipment tracks.

Carrying 21-50 pounds

Rare – Occasionally for 10 seconds – 3 minutes at a time for distances of 5 – 15 feet for up to 15 – 30 minutes total in a work shift. Most commonly occurs with weights of 25 – 30 pounds while using the digging bar, moving and placing equipment attachments, and using the bar to clean equipment tracks.

Pushing and Pulling

Rare for 2-5 seconds at a time with a force of 20 – 50 pounds for up to 3 – 4 minutes total in a work shift while opening and closing equipment doors, cleaning tracks on equipment with a bar, and using hand holds to get in and out of equipment. The weight of doors varies per equipment and the force required by the worker depends if the equipment is on level or uneven ground.

Handling

Occasionally for 10 seconds – 2 minutes at a time for up to 20 minutes – 1 hour total in a work shift while using the radio, grabbing hand holds on equipment, and while using tools and equipment.

Operating Controls with Hands

Continuously for up to 2.5 hours at a time for up to 7 hours total (9 hours in a 10 hours shift) in a work shift while steering and controlling the direction of equipment, and while pushing/pulling controls, turning knobs and otherwise operating equipment to perform construction or material moving functions.

Fingering

Rare for 1 second to 30 seconds at a time for up to 1 – 3 minutes total in a work shift while pushing buttons, operating the radio, and completing handwritten paperwork.

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Feeling

Continuously for up to 2.5 hours at a time for up to 7 hours total (9 hours in a 10 hour shift) in a work shift while operating equipment controls by feeling and sensation.

Talking

Occasionally for 5 seconds – 2 minutes at a time for up to 30 – 60 minutes total in a work shift while conversing on a radio with superiors and other workers.

Hearing

Continuously for up to 2.5 hours at a time for up to 8 hours total (10 hours in a 10 hour shift) in a work shift while listening to warning signs on the radio, emergency signals, and mechanical failures of equipment.

Near acuity—clarity of vision at 20 inches or less

Occasionally for up to 60 seconds at a time for up to 1 hour total in a work shift while observing gauges and controls on equipment, performing safety inspections, and completing paperwork.

Far acuity—clarity of vision at 20 feet or more

Continuously for 2.5 hours at a time for up to 7 hours total (9 hours in a 10 hour shift) in a work shift while operating various pieces of machinery and equipment operation functions.

Depth perception—three dimensional vision

Continuously for 2.5 hours at a time for up to 7 total (9 hours in a 10 hour shift) in a work shift while operating equipment and performing material moving and construction activities.

Visual accommodation—Adjustment of lens of eye to bring an object into sharp focus

Continuously for 2.5 hours at a time for up to 7 hours total (9 hours in a 10 hour shift) in a work shift while operating controls and ensuring precise movement/placement of equipment and equipment adaptations.

Field of vision—observing an area that can be seen up and down or right or left while eyes are fixed on a given point

Continuously for 2.5 hours at a time for up to 8 hours total (10 hours in a 10 hours shift) in a work shift while operating equipment, inspecting equipment for dangers/hazards, and while working around other equipment and automobiles.

Night vision--seeing after sundown with minimal or no supplemental light sources

Occasionally for up to 1.5 hours at a time for up to 1.5 hours total in a work shift while performing equipment operation functions prior to daylight and at dusk.

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TEMPERAMENTS

Directing, controlling, or planning activities of others: Rare – Continuously

Performing repetitive or short-cycle work: Continuous

Influencing people in their opinions, attitudes, and judgements: Rare

Performing a variety of duties: Rare - Continuously

Working alone or apart in physical isolation from others: Rare

Working effectively under stress: Occasional - Continuously

Attaining precise set limits, tolerances, and standards: Occasional – Continuously

Working under specific instructions: Occasionally

Working with others: Continuously

Making judgements and decisions: Occasional - Continuously

ENVIRONMENTAL FACTORS

Work is performed in an outdoor setting on a landfill or various county work locations in/on a piece of equipment. The noise level is moderately loud too loud.

Workers are exposed to

Outside weather: Rare - Occasionally

Extreme cold: Rare - Occasionally

Extreme heat: Rare - Occasionally

Wet: Rare - Occasionally

Humidity/dampness: Rare - Occasionally

Fumes: Occasional - Continuously

Odors: Occasional - Continuously

Dusts: Continuously

Mists: Rare

Gases: Rare - Frequently

Poor ventilation: Rare

Moving mechanical parts: Rare

Vibration: Continuously

Working in high, exposed places: Rare

Radiation: Rare

Working with explosives: Rare

Toxic or caustic chemicals: Rare

Noise sufficient to cause marked distractions or possible hearing loss: Hearing protection is utilized

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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