

Water Treatment Plant Operator, Level 2 or 3

Position Announcement

Skagit PUD provides 9 million gallons of piped water to approximately 70,000 people every day. Our water originates in the Cultus Mountain watershed area. Water from this pristine area is piped to Judy Reservoir, where it covers 148 surface acres and stores approx. 1.5 billion gallons. The water is then treated and filtered to meet Safe Drinking Water Act regulations, using modern water treatment technologies.

In 2007, Skagit PUD won accolades for its great tasting water, placing best in the Pacific Northwest and fourth in the nation at American Water Works Association taste test competitions.

The District is looking for a skilled and dedicated individual to be part of our water treatment plant team.

The Water Treatment Plant Operator will:

- Operate the treatment facilities to process raw and finished water.
- Observe variations in operating conditions, and interpret instrument readings and test results to determine processing requirements.
- Maintain shift logs and record meter and gauge readings.
- Collect water samples and perform routine laboratory tests and analyses.
- Maintain the plant's disinfection feed systems, the plant's chlorine gas scrubber and emergency electrical generator.
- Perform tasks involved in cleaning filter bays, flocculation basins, backwash recycle basins, sludge lagoons and reservoirs.
- Assist in receiving and unloading of supplies and equipment.



- Perform tasks involved in the maintenance of the facilities and grounds.

QUALIFICATIONS:

- High school diploma or GED.
- Washington State WTPO 2 or 3 Certification.
- A valid drivers license.
- The ability to swim.
- Acceptance of on-call status and willingness to work shifts including nights, weekends, and holidays.
- Ability to complete mathematical equations.
- Working knowledge of:
 - Occupational hazards and safety precautions.
 - Pumps, electric motors, piping, and control systems.
 - Mechanical, electrical, and hydraulic principles.



Application Procedures

Please submit:

1. A completed District employment application form
2. A resume and cover letter

Position will remain open until filled. All applications are welcome. Packets should be submitted to:

Jamie Klunder, Human Resources
Skagit PUD
1415 Freeway Drive, P.O. Box 1436
Mount Vernon, WA 98273-1436

email: klunder@skagitpud.org
phone: 360-848-2128
fax: 360-848-4432

The successful candidate must provide documentation of U.S. citizenship or lawful authorization to work in the U.S., and must pass a physical exam and drug screen. This position is represented by the Teamsters (Local #231) and requires union membership as a condition of employment.

Hiring wages: WTPO 2, \$27.48 per hour
WTPO 3, \$28.06 per hour



JOB TITLE: Water Treatment Plant Operator, Level II (WTPO – II)
FLSA: Union, Non-exempt **DATE:** March 2010
PAY GRADE: See Union Contract
REPORTS TO: WTP Superintendent

POSITION PURPOSE

This is skilled work involving standard operating and maintenance procedures at a 12 MGD direct filtration plant and related facilities. Facilities include two (2) on site steel reservoirs, pumping station, main control building, flocculation basins, four filters, recycle basin, and two sludge lagoons.

Operators will follow regulations and procedures for efficient and thorough water treatment as set forth by the Environmental Protection Agency, the State of Washington, and the District.

No.	JOB RESPONSIBILITIES	% of Time	EF	SF
1	Complete the following tasks in the operation of the treatment facilities: <input type="checkbox"/> Control flow and processing of raw and finished water. <input type="checkbox"/> Monitor gauges, meters, and control panels and interpret to assure proper operation of treatment operations. <input type="checkbox"/> Maintain shift log and records meter and gauge readings. Observe variations in operating conditions and takes corrective actions as necessary. <input type="checkbox"/> Interpret test results to determine processing requirements. <input type="checkbox"/> Operate valves and gates either manually or by remote control. <input type="checkbox"/> Start and stop pumps, engines, and generators to control and adjust flow and treatment processes. <input type="checkbox"/> Collect samples and performs routine laboratory tests and analyses. <input type="checkbox"/> Operate power generating equipment. <input type="checkbox"/> Maintain the plant's disinfection feed systems	70	X	

	including; chlorine dioxide, chlorine gas, and ammonia. ☒ Maintain the plant's chlorine gas scrubber and emergency electrical generator.			
2	Perform manual tasks involved in cleaning filter bays, flocculation basins, backwash recycle basins, sludge lagoons and reservoirs.	10	X	
3	Perform routine maintenance on treatment plant mechanical functions.	5	X	
4	Assist in receiving, unloading and stacking of deliveries of equipment, dry and liquid chemicals, and supplies for the plant.	5	X	
5	Perform a variety of manual tasks involved in the maintenance of building and grounds including: mowing of lawns, fertilizing, and watering. Waxing and mopping of floors, dusting and washing windows.	5		X
6	Make operating decisions in absence of supervisory personnel. May perform duties of the WTP Superintendent in his/her absence, and as assigned.	3	X	
7	Perform other related duties as required.	2		X

Education and Experience: High School diploma or GED, and possession of a valid Washington State Grade II Water Treatment Plant Operators Certification.

Job Requirements:

- ☒ A valid driver's license.
- ☒ The ability to swim.
- ☒ Must accept on-call status.
- ☒ Must be willing to work rotating shifts including nights, weekends, holidays and unique periods of District O & M activities.

Other Knowledge, Skills & Abilities:

- ☒ Ability to read and carry out written and oral instructions.
- ☒ Working knowledge of the occupational hazards and necessary safety precautions applicable to operations and maintenance at a water treatment plant.
- ☒ Working knowledge of pumps, electric motors, piping, and control systems and other equipment common to water treatment facilities.
- ☒ Must be able to easily add, subtract, multiply and divide.
- ☒ Working knowledge of mechanical, electrical, and hydraulic principles.
- ☒ Ability to interpret changing conditions or requirements into predicted adjustments and impacts to the treatment process.

Level of Decision Making & Job Complexity: An experienced and educated judgment is required in responding to changing conditions in treatment plant operation and water quality to protect both District assets and public health. Work at Level II is monitored for accuracy, safety, and overall results.

Number and Titles of All Persons Supervised:

None.

Safety Requirements: The District promotes an environment where employees think safe and work safe. The incumbent is required to maintain a working knowledge and comply with District safety procedures and specific safety requirements of this position in accordance with applicable provisions of the Washington Industrial Safety & Health Act.

Language Requirement: Candidate must be proficient in reading, writing and speaking English.

Working Conditions and Physical Requirements:

See attached.

The statements contained herein reflect general details as necessary to describe the principal functions for this job, the level of knowledge and skill typically required, and the scope of responsibility, but should not be considered an all-inclusive listing of work requirements. Individuals may perform other duties as assigned, including work in other functional areas to cover absences or relief, to equalize peak work periods, or otherwise to balance the workload.

Physical Requirements Analysis

for the position of: WTPO II

Please check those activities that are essential functions of the position:

1. Body Movements

Sitting	<input type="checkbox"/> None	<input checked="" type="checkbox"/> Occasional	<input type="checkbox"/> Frequently	<input type="checkbox"/> Very Freq.
Standing	<input type="checkbox"/> None	<input type="checkbox"/> Occasional	<input type="checkbox"/> Frequently	<input checked="" type="checkbox"/> Very Freq.
Walking	<input type="checkbox"/> None	<input type="checkbox"/> Occasional	<input type="checkbox"/> Frequently	<input checked="" type="checkbox"/> Very Freq.
Balancing	<input type="checkbox"/> None	<input checked="" type="checkbox"/> Occasional	<input type="checkbox"/> Frequently	<input type="checkbox"/> Very Freq.
Lifting weight	<input type="checkbox"/> 0-19 lbs	<input checked="" type="checkbox"/> 20-39 lbs	<input type="checkbox"/> 40-59 lbs	<input type="checkbox"/> >59 lbs
Lifting frequency	<input type="checkbox"/> None	<input checked="" type="checkbox"/> Occasional	<input type="checkbox"/> Frequently	<input type="checkbox"/> Very Freq.
Bending/kneeling	<input type="checkbox"/> None	<input type="checkbox"/> Occasional	<input checked="" type="checkbox"/> Frequently	<input type="checkbox"/> Very Freq.
Reaching overhead	<input type="checkbox"/> None	<input type="checkbox"/> Occasional	<input checked="" type="checkbox"/> Frequently	<input type="checkbox"/> Very Freq.
Pushing/pulling	<input type="checkbox"/> None	<input type="checkbox"/> Occasional	<input checked="" type="checkbox"/> Frequently	<input type="checkbox"/> Very Freq.
Crawling	<input type="checkbox"/> None	<input checked="" type="checkbox"/> Occasional	<input type="checkbox"/> Frequently	<input type="checkbox"/> Very Freq.
Climbing ladders	<input type="checkbox"/> None	<input checked="" type="checkbox"/> Occasional	<input type="checkbox"/> Frequently	<input type="checkbox"/> Very Freq.
Climbing stairs	<input type="checkbox"/> None	<input checked="" type="checkbox"/> Occasional	<input type="checkbox"/> Frequently	<input type="checkbox"/> Very Freq.
Twisting	<input type="checkbox"/> None	<input type="checkbox"/> Occasional	<input checked="" type="checkbox"/> Frequently	<input type="checkbox"/> Very Freq.
Gripping	<input type="checkbox"/> None	<input type="checkbox"/> Occasional	<input checked="" type="checkbox"/> Frequently	<input type="checkbox"/> Very Freq.
Driving	<input type="checkbox"/> None	<input checked="" type="checkbox"/> Occasional	<input type="checkbox"/> Frequently	<input type="checkbox"/> Very Freq.

2. Repetitive Hand Motion

Occasional = 2 hours/day; frequently = up to 4 hours/day

Keyboarding/typing	<input type="checkbox"/> Some	<input type="checkbox"/> Occasional	<input checked="" type="checkbox"/> Frequently
Gripping/clicking mouse	<input type="checkbox"/> Some	<input type="checkbox"/> Occasional	<input checked="" type="checkbox"/> Frequently
Collating/filing	<input type="checkbox"/> Some	<input type="checkbox"/> Occasional	<input checked="" type="checkbox"/> Frequently
Telephone	<input type="checkbox"/> Some	<input type="checkbox"/> Occasional	<input checked="" type="checkbox"/> Frequently

3. Seeing, Talking, Hearing

<input checked="" type="checkbox"/> Accurate color perception	<input checked="" type="checkbox"/> Accurate depth perception
<input checked="" type="checkbox"/> Close vision	<input type="checkbox"/> Distance vision
<input checked="" type="checkbox"/> Ability to hear emergency communications and commands	
<input checked="" type="checkbox"/> Ability to communicate verbally in	<input checked="" type="checkbox"/> English <input type="checkbox"/> Spanish

4. Physical Environment/Hazards

<input checked="" type="checkbox"/> Ladders	<input type="checkbox"/> Excavation/trenching
<input type="checkbox"/> Confined spaces	<input type="checkbox"/> Electrical
<input type="checkbox"/> Paint/lacquer	<input checked="" type="checkbox"/> Solvents
<input checked="" type="checkbox"/> Outdoor temperatures	<input checked="" type="checkbox"/> Temperature controlled office setting
<input checked="" type="checkbox"/> Natural light	<input checked="" type="checkbox"/> Artificial light

5. Machine Operations

Automobile Truck Forklift

Excavation machinery such as excavator backhoe, saws, generator, compressor, cutting torch, jack hammer, mobile crane, chainsaw, etc.

Construction machinery such as mill/lathe, brake, pipe threader, pipe bender, saws, compactors, mobile crane, asphalt paver, compressor, cutting torch, generator, etc.

Office machines such as computers, copiers, postage machines, fax, telephones, etc.