WEBER BASIN WATER CONSERVANCY DISTRICT

WATER TREATMENT PLANT OPERATOR I
Department: Municipal and Industrial
Safety-Sensitive
Regular Full-time (FT40)
Non-exempt / Hourly
GRADE 5
Rotating Shifts

JOB SUMMARY

Under the general supervision of the M&I Water Department Manager and the direct supervision of the Plant Manager the operator performs the various duties required to maintain and operate a water treatment plant.

The Water Treatment Plant Operator controls the operation of treatment plant machines and equipment to purify and clarify water for human consumption and for industrial use. To retain the job, in addition to acceptable performance, an operator must, within one year of hire, pass the Grade IV level exam administered by the State of Utah.

This position may advance to WTP Operator II (Grade 6); WTP Operator III (Grade 7); WTP Operator IV (Grade 8); and WTP Operator V (DNWTP only-Grade 9) upon manager recommendation and approval, positive performance reviews, and additional requirements listed in the Career Advancement section below, have been met.

This position is classified as safety sensitive and is subject to random drug testing.

SCHEDULE

This position will work rotating 12-hour shifts. The shift schedules are 6:00 a.m. – 6:00 p.m. and 6:00 p.m. – 6:00 a.m. The operator must stay on the shift until properly relieved by the next operator. In case of emergency, notify the Plant Manager, the Treatment Operations Supervisor, or the M&I Water Department Manager, day or night. Schedules are as directed by the Department Manager.

ESSENTIAL JOB FUNCTIONS (Not necessarily a comprehensive list.)

- Maintains daily treatment plant operating log.
- Chemically flocculates incoming water to reduce silt, dirt, and harmful bacteria count.
- Makes tours and observations a minimum of every two (2) hours of chemical feeders, pressure gauges, meters, pumps, air compressors, chlorine residual recorder, water recording and measuring devices, and all other mechanical equipment that has any movement and makes visual inspections of all processes.
- Makes adjustments where needed.
- Performs various water tests and records the results in a daily log every two (2) hours.

- Obtains water samples of the raw, applied and treated water for tests as required -for turbidity, total alkalinity, ph, chlorine residual, taste and odor, color, and jar testing.
- Maintains proper and safe levels in all reservoirs.
- Must be capable of running the SCADA system and understanding when action is required and knowing how to properly respond.
- Maintains adequate water flow through the plant at all times to avoid reverse flows through the effluent line.
- Backwashes filters and enters backwash data on operating log as directed by Plant Manager.
- Receives and stores all types of chemicals in proper container.
- Starts standby equipment in case of failure of any piece of equipment.
- Works rotating shift that may include eight or twelve-hour workdays, or any other shift deemed necessary.
- Promotes and adheres to the District's core values (collaboration, ownership, mutual respect, professionalism, appreciation, safety, and sustainability).

OTHER JOB FUNCTIONS (Not necessarily a comprehensive list.)

- Drains sedimentation basins and washes walls and floors to free algae growth and mud and all other foreign matter.
- Cleans and paints equipment and structures.
- Scrubs and polishes all floors in filter building, dusts furniture, pipes, handrails, pumps, air compressors, etc.
- Cuts weeds and shovels snow from around equipment and walkways, performs maintenance on the plant and some minor repairs to plant equipment.
- Conducts tours through the plants.
- Maintains security of plant day and night.
- Maintains ground area around treatment facilities as needed.
- Performs all other assigned duties.

Higher grade Water Treatment Plant Operators may be trained in duties and responsibilities of an M&I Pipeline Operator and be assigned as a relief M&I Pipeline Operator.

NOTE: These duties are subject to change depending on District needs and the individual in this position may be required to perform other jobs. Any of the herein-stated requirements and conditions are subject to approval and/or waiver by the General Manager. The regular work schedule is subject to change depending on the District needs for this position.

MINIMUM QUALIFICATIONS (The education and experience requirements for this job may be satisfied by any acceptable equivalent combination of education and experience.)

Education: High school diploma or equivalent with sufficient exposure to basic math and chemistry (preferred).

Experience: No prior experience is required, although prior employment where basic reasoning

skills were employed would be helpful.

Knowledge: Knowledge of basic arithmetic and some knowledge of elementary algebra; some knowledge of basic chemical processes, reactions, and lab procedures; some knowledge of basic mechanical maintenance and operations. Basic knowledge of federal and state water quality regulations.

Skills: Basic computer skills. Critical thinking skills, judgment and decision making.

Abilities: Ability to apply knowledge acquired through training to the detection and resolution of problems; ability to remain calm in pressure or emergency situations, ability to follow written and oral instructions. Ability to work rotating shifts.

Relationships: The operator will have close contacts with co-workers, contacts with the plant managers and department managers, as well as occasional contact with the public visiting the treatment plant. The operator should exercise skill and tact in discussions with the public, in person or on the telephone.

Responsibility: The operator is responsible for the proper functioning of equipment, cleanliness of the plant, preparing and reporting the daily water treatment plant operating log, collecting water samples at assigned places, running routine tests of the water, reading meters, gauges, and recording devices for delivery of water that will meet State of Utah and United States public health laws, for security of the plants, noting on log any irregular noises of equipment or any other unusual observations that may have some bearing on the operation of the plant.

Mental Application: The operator must be mentally alert at all times and use good judgment in the overall operation of the plant to prevent serious and expensive damage to equipment. The operator must continuously be able to concentrate on tasks, remember details, make decisions, adjust to changes, examine/observe details, think analytically, and use effective verbal communication.

Other Requirements: Must have and maintain a valid driver's license and an acceptable driving record per District policy if driving a District vehicle. Must obtain grade 4 water treatment operator certification from the state of Utah within one year of hire.

The operator must stay on the shift until properly relieved by the next operator. In case of emergency, notify the Plant Manager, the Treatment Operations Supervisor, or the M&I Water Department Manager, day or night.

WORKING CONDITIONS

The operator will be subject to temperature changes when working out of doors and collecting samples for tests. The operator is subject to work a rotating shift, as the schedule dictates, will be expected to work overtime in case of emergency, and will be subject to call at any time of day or night.

The work environment is subject to the following (not a comprehensive list):

Frequent exposure: Outdoor hot and cold weather conditions. Indoor hot and cold temperatures. Biological, chemical, electrical hazards and sharp objects. Wet, slippery floors and/or surfaces and working alone.

Occasional exposure: Working in high or constricted spaces. Dirty and dry conditions. Fumes, gases, odors, dust. Moving mechanical parts.

Noise level: Moderate to loud.

Physical Requirements: The physical requirements described here are representative of those that must be met by an employee to successfully perform the essential functions of this job.

While performing the duties of this job, the employee is regularly required to use eye/hand coordination.

The employee is frequently required to: talk, hear, sit, stand, walk, lift, repetitive use of hands/arms and legs, and fine manipulation.

The employee is occasionally required to: Bend over, crawl, crouch, kneel, balance, push or pull, grasp, and reach overhead.

The employee must lift weight, carry, or exert force as follows:

Regularly:	1 to 10 pounds
Frequently:	11 to 25 pounds
Occasionally:	26 to 50 pounds
Rarely:	Over 50 pounds

CAREER ADVANCEMENT

Subsequent increases in pay may be obtained in conjunction with the proper combination of experience and education. As the operator progresses through the higher grades, the operator is expected to be more proficient, more independent, and more productive.

WTP Operator II Additional Requirements – Grade 6

Must have a valid State of Utah Grade IV water treatment plant operator certification from the State of Utah.

WTP Operator III Additional Requirements – Grade 7

Must have a valid State of Utah Grade IV Water Treatment Plant Operator certification from the State of Utah plus one year experience as a certified operator.

WTP Operator IV Additional Requirements – Grade 8
Unrestricted Operator status as defined by Utah Division of Drinking Water.

WTP Operator III Additional Requirements – Grade 9
Unrestricted operators at the Davis North Water Treatment Plant (DNWTP) with at least two years of continuous employment at DNWTP and demonstrated proficiency with the SCADA system as well as the operation of all treatment processes.

HIRING POLICIES

The District provides equal opportunity to all employees and applicants for employment without regard to race, color, national origin, religion, sex, age, disability, sexual orientation or any other category protected by applicable law. Weber Basin Water Conservancy District will not refuse to hire a disabled individual who is capable of performing the essential requirements of the position with reasonable accommodations when they do not create an undue hardship.

Any applicant who is chosen as the top candidate for the position will be required to submit to a physical examination to determine if he/she is able to perform job-related functions, and submit to and pass a background and motor vehicle records check. Hiring is also conditioned upon submission to and successfully passing of a urine test to screen for the presence of drugs and alcohol.