

**CENTRAL UTAH WATER CONSERVANCY DISTRICT**  
**Job Description**  
**March, 2017**

**JOB TITLE:** Intern - Water Quality Technician

**REPORTS TO:** Water Quality Manager

**STATUS:** Temporary Full-Time

**JOB SUMMARY:**

This position provides water quality, laboratory and technical support services to the District in a technically sound and cost effective manner. This position is temporary and is anticipated to be needed only during the period of April 24 - September 1, 2017.

**ESSENTIAL FUNCTIONS:**

1. Assists in performing and conducting water quality monitoring and studies on drinking water treatment projects. Inputs, manipulates, and assists with interpretation of data using a computer, excel, and database software.
2. Assists water quality staff in collecting water quality samples from lakes, rivers, and streams.
3. Assists in collecting and summarizing data relating to source water and drinking water quality.
4. Assists in performing laboratory analyses in NELAC certified drinking water laboratories. Assists in calibration and maintenance of laboratory and water quality monitoring equipment.

**MARGINAL FUNCTIONS:**

1. Performs other related duties as assigned.

**REQUIREMENTS:**

Ability to use/operate pen/pencil, PC, and various software (word processing, spreadsheets) 40-50% of the time.

Ability to study, analyze, and interpret data and documents.

Ability to apply principles of logical and scientific thinking to define problems, collect data, establish facts, and draw valid conclusions; to interpret an extensive variety of technical instructions in mathematical or other form; to deal with several abstract and concrete variables.

Ability to drive a vehicle to various work sites and collect water quality samples from lakes, streams, pipelines, or other various locations.

Ability to order supplies and materials from catalogs, sales literature or vendor facilities, using telephone and internet.

Ability to input and retrieve data on computer including data logging and spreadsheets.

Ability to coordinate work to be done with various weather conditions, covering large distances.

Ability to exercise intermediate math skills including geometry, algebra, and statistics.

Ability to exert up to 50 pounds of force occasionally, and/or up to 20 pounds of force frequently, and/or up to 10 pounds of force constantly to move objects.

Ability to kneel: bending legs at knee to come to rest on knee or knees.

Ability to crouch: bending body downward and forward by bending leg and spine.

Ability to climb; to ascend or descent ladders, stairs, scaffolding, ramps, mountains and the like, using feet and legs and/or hands and arms.

Ability to reach: extending hand(s) and arm(s) in any direction.

Ability to finger and grasp; to pick, pinch, or otherwise work primarily with fingers rather than with the whole hand or arm as in handling, i.e., working with water sample bottles, sampling equipment, etc.

Ability to be subject to extreme cold: temperatures below 32 degrees for periods of more than one hour.

Ability to be subject to extreme heat: temperatures above 100 degrees for periods of more than one hour.

Ability to be subject to noise: there is sufficient noise to cause the worker to shout in order to be heard.

Ability to be subject to vibration: exposure to oscillating movements of the extremities or whole body.

Ability to be subject to hazards: includes a variety of physical conditions, such as proximity to moving mechanical parts, electrical current, working on scaffolding and in high places of inside pipes or tunnels, on or near bodies of water (dams, reservoirs, etc.), exposure to chemicals.

Ability to exercise close vision to read, compute, record numerical data.

Ability to apply common sense understanding to carry out detailed, involved instructions; to deal with problems involving several concrete variables in or from standardized situations.

Ability to read technical manuals, prints, drawings, catalogs, instructions, etc.

Ability to prepare logs and reports; using proper format, punctuation, spelling and grammar.

Ability to communicate distinctly with appropriate pauses and emphasis; correct pronunciation (or sign equivalent) and variation in word order; using present, perfect, and future tenses.

Ability to work independently with minimal or no supervision.

Ability to adapt to situations requiring the precise attainment of set limits, tolerances, or standards; to be precise, thorough, exacting, or meticulous in regard to material worked; or in activities such as numerical determinations, record preparation, or inspecting.

Ability to identify task requirements and monitor progress toward accomplishment.

Ability to maintain relationships that facilitate task accomplishment; to cooperate and resolve conflicts; to recognize needs and be sensitive of others.

Ability to receive guidance and supervision; follow work rules, safety practices, work procedures; meet deadlines, punctuality and attendance standards, etc.

Ability to systematically identify and define problems, evaluate alternatives, and implement cost effective solutions.

**EDUCATION/EXPERIENCE/LICENSE/CERTIFICATION:**

Associate degree or equivalent from an accredited college or university in biology, chemistry, environmental science, or related field. Good computer skills using word processing, spreadsheet software. Driver's License required.