



STATE OF IDAHO
invites applications for the position of:

Engineer, Staff

SALARY: \$27.00 - \$31.00 Hourly
DEPARTMENT: Department of Water Resources
OPENING DATE: 12/21/20
DESCRIPTION:



The Idaho Department of Water Resources (IDWR) has an exciting opportunity for an Engineer working for our Projects and Planning Bureau at the state office in Boise, Idaho.

The person in this position will be a key team member in carrying out the State of Idaho's Water Resource Sustainability and Aquifer Stabilization Initiative on behalf of the Idaho Water Resource Board (IWRB). This position provides a unique opportunity to develop your engineering career while working on and managing water projects needed to stabilize Idaho's aquifers and ensure water sustainability for current needs and future economic growth.

This job announcement is for an **Engineer, Staff** job classification which is the third level position in the Engineering career tract. This position is used for recruitment and training purposes to underfill the duties of the next full working level job class in the Engineering career tract. Upon completion of qualification and experience requirements, the employee will be re-classified at the Engineer, Technical 1 level.

This announcement will remain open until this position has been filled. Applications will be reviewed periodically as they are received. Applicants are encouraged to apply and submit their applications as soon as possible.

EXAMPLE OF DUTIES:

- Manage one or more projects to increase Idaho's surface water storage in cooperation with partner agencies.
- Assist with operating managed aquifer recharge program for the Eastern Snake Plain Aquifer.
- Provide recommendations for managed recharge infrastructure and other aquifer stabilization projects for the Eastern Snake Plain Aquifer.
- Manage the design and construction of aquifer recharge infrastructure projects, or significant portions of projects, in coordination with contractors and water user partners.
- Monitor construction progress of aquifer stabilization projects accomplished through partnership agreements.
- Manage development of water resource and supply projects on behalf of the IWRB from feasibility to construction.
- Identify strategies for stabilization of other aquifers and carry out those strategies.
- Review, analyze, and provide recommendations regarding water projects proposed to be accomplished through loan agreements.
- Monitor construction progress of water projects financed through loan agreements.
- Work in a team setting with internal staff, engineering consultants, project partners, and others during the course of a project.
- Represent IDWR and the IWRB at meetings.

MINIMUM QUALIFICATIONS:

Licensure:

- Licensed in Idaho as a Professional Engineer (PE) OR eligible for comity licensure by the Idaho Board of Professional Engineers in accordance with Idaho Code, Title 54, Chapter 12
- Valid driver's license

Experience:

- Analyzing, interpreting and applying federal, state and local laws when applying professional engineering principles and practices.
- Writing technical engineering reports.
- Evaluating, selecting and adapting standard engineering plans, specifications and standards in completing projects.
- Coordinating field work and inspecting projects or facilities for compliance with standards.

DESIRED QUALIFICATIONS

- Some knowledge of hydrology, water rights, water resource management, and/or agriculture.
- Construction Management experience with all phases of construction projects, including the planning, design, and construction of water resource projects.
- Knowledge of project management principles and project management software.
- Experience presenting complex technical information to a variety of audiences.

Our ideal candidate will be able to communicate effectively, both verbally and in writing, collaborate in a team environment, and apply initiative and decision making in a professional capacity under general supervision.

SUPPLEMENTAL INFORMATION:

Working Conditions

The work is primarily performed in an office environment. Periodic field visits to project sites may be required and may involve walking over rough terrain, exposure to variable weather conditions, and lifting and carrying up to 30 pounds. Out-of-town and occasional overnight travel is required.

To learn more about the Idaho Department of Water Resources, please visit our website:
<https://idwr.idaho.gov>

Our Mission:

To serve the citizens of Idaho by ensuring that water is conserved and available to sustain Idaho's economy, ecosystems, and resulting quality of life

EEO Statement

Hiring is done without regard to race, color, religion, national origin, sex, age or disability. If you need special accommodations to satisfy testing requirements, please contact the Division of Human Resources at (208) 334-2263.

Preference may be given to veterans who qualify under state and federal laws and regulations.

APPLICATIONS MAY BE FILED ONLINE AT:
<https://www.governmentjobs.com/careers/idaho>

Position #07330
ENGINEER, STAFF
CM

304 North 8th Street
Boise, ID 83720

Engineer, Staff Supplemental Questionnaire

- * 1. Are you currently licensed as a Professional Engineer by the Idaho Board of Professional Engineers? Or, are you eligible for comity licensure from another state? (If your answer is YES to either of the above, please list your license number, the date it was issued, and the issuing state). If you have questions regarding your eligibility for licensure, contact the Idaho Board of Professional Engineers at (208) 373-7210.

- * 2. This position requires the ability to drive a vehicle to remote work sites. Do you possess a valid driver's license?
 - Yes
 - No

- * 3. Please describe your experience analyzing, interpreting and applying federal, state and local laws when applying professional engineering principles and practices. Typically met by possession of a professional engineering license. (Note: this should include 4 years of experience to obtain the PE OR 3 years of experience plus 1 year of education as a full-time engineering student at the Master's level.) Experience should show a basic knowledge of related laws. This could be gained in EIT courses; training courses relating specifically to understanding and applying such laws; completion of college level coursework and work experience where they actually had to apply laws.

- * 4. Please describe your experience writing technical engineering reports. Include what type of report, purpose, users of the report, and if the report was published. Typically gained by possession of a professional engineering license. (Note: this should include 4 years of experience plus 1 year of education as a full time engineering student at the Master's level.)

- * 5. Please describe your experience evaluating, selecting and adapting standard engineering plans, specifications and standards in completing projects. Typically gained by possession of a professional engineering license. (Note: this should include 4 years of experience to obtain the PE OR 3 years of experience plus 1 year of education as a full-time engineering student at the Master's level.)

- * 6. Please describe your experience coordinating field work and inspecting projects or facilities for compliance with standards. (Include the types of inspections performed, the size and complexity of the projects, and outline your level of responsibility. Did you give formal recommendations or did you have total project control?) (Typically gained by possession of a professional engineering license. (Note: this should include 4 years of experience to obtain the PE OR 3 years of experience plus 1 year of education as a full-time engineering student at the Master's level.)

- * 7. (Extra Credit) Please describe how you have obtained knowledge of hydrology, water rights, water resource management AND/OR agriculture: You must have at least 12 credit hours of related education in surface and ground water hydrology; stream-channel alteration; irrigation methods and systems; design of hydraulic structures; or related areas of water measurement and use; AND you must have approximately TWO YEARS of engineering experience in Water Resource Management and/or Agriculture. Please list below your completed coursework that relates to these areas

and the number of credits received for each (please specify semester or quarter credits), and describe your related work experience in Water Resource Management and/or Agriculture.

- * 8. (Extra Credit) Please describe your construction management experience. This is not required; however, having the experience may increase your score. Typically met by at least two years' of experience managing and coordinating all phases of construction projects with contractors, planners, utility companies, or other comparable entities. Include a description of the size and complexity of the projects. Please highlight any projects specifically related to water resource management.

- * 9. (Extra Credit) Please describe how you have gained good knowledge of project management principles. Include any experience with project management software. Typically met by at least two years' experience managing projects including coordinating the development of project scope, goals, work plans, timelines, implementation strategies, and methods for assessing progress toward goals and project outcomes, preferably for water resource studies and projects, OR certification as a Project Management Professional or equivalent certification.

- * 10. (Extra Credit) Please describe your experience presenting complex technical information to a variety of audiences in public settings. Typically gained through at least two years' experience researching, compiling and organizing information in order to make oral presentations about complex technical information to groups in business or public settings; take into account audience size, topic, length, and frequency of the presentation.

* Required Question