

State of Iowa

Drinking Water Engineer

SALARY	\$27.69 - \$42.96 Hourly \$2,215.20 - \$3,436.80 Biweekly \$57,595.20 - \$89,356.80 Annually	LOCATION	Des Moines - 50319 - Polk County, IA
JOB TYPE	Full-time	JOB NUMBER	23-03853
AGENCY	542 Iowa Department of Natural Resources	OPENING DATE	05/12/2023
CLOSING DATE	5/30/2023 11:59 PM Central	LINKEDIN TAG	#LI-POST
POINT OF CONTACT	Carmily Stone, carmily.stone@dnr.iowa.gov, 515-681-3548	TO APPLY	The Department of Natural Resources encourages all applicants to upload a current resume and cover letter to their online application.

Job Description

Only applicants who meet the Minimum Qualification Requirements and Selective Requirements (listed below) will be placed on the eligible list.

The Department of Natural Resources encourages all applicants to upload a current resume and cover letter to their online application.

The Department of Natural Resources has an opening for an Environmental Engineer in the Water Supply Engineering Section of the Water Quality Bureau. Primary job responsibilities consist of the technical review of construction permit applications for public drinking water supply engineering projects including plans and specifications, preliminary engineering reports, corrosion control studies, chemical feed facilities, treatment plants, distribution systems, storage facilities, design waiver requests, anti-degradation analyses, as-built projects, and viability assessments to ensure technical, managerial, and financial viability.

In addition, the successful candidate will review rural water system water main projects, help with implementing various aspects of the Safe Drinking Water Act, and provide guidance and training to various internal and external stakeholders.

Other duties will include managing Drinking Water State Revolving Loan Fund (DWSRF) projects and providing technical assistance to internal and external stakeholders.

Essential Functions

Applies state design standards, engineering principles and engineering practices dealing with municipal drinking water treatment and distribution design and operation.

Review technical, administrative, and regulatory documents to assure projects comply with DWSRF and permitting

requirements.

Performs detailed project technical review and prepare comments for projects.

Performs complex civil and environmental engineering calculations.

Utilizes education, knowledge, experience and understanding of civil and environmental engineering principles to perform duties.

Works independently with minimal supervision.

Communicates fluently and tactfully both written and oral in English to communicate with permit applicants, water operators, consulting engineers, the public, and all other internal and external stakeholders.

Prepares and makes technical presentations to stakeholders.

Travels to remote sites for meetings and inspections driving a state vehicle or personal vehicle and mobility to inspect construction sites in rugged terrain.

Demonstrates initiative, and customer service and is team-orientated, along with displaying high standards of ethical conduct and respect.

Adjusts to change, work pressures or difficult situations without undue stress.

Manages many projects and issues adequately without undue stress.

Listens and communicates effectively to see others' points of view and roles.

Critical Job Competencies

The candidate must hold a Bachelor of Science degree in Engineering. Preference will be given to those with related work experience in design and/or design review of drinking water distribution and treatment systems.

Accountability, Interpersonal Skills, High Productivity, Attention to Detail, Communication Skills, Computer Skills, Customer Focus, Integrity, Problem Solving, Project Management, Self-Management, Team Player, Technical Engineering Skills, Always Willing to Help)

What You Get From Us:

- A competitive pay plan and rewarding work.
- Insurance benefits that start the first of the month following 30 days of employment.
(Premiums can start as low as \$56/month for single and \$187/month for family coverage).
- Separate vacation and sick leave accruals that start on the first day and can roll over annually.
- Nine paid holidays/year.
- Iowa Public Employee Retirement System (IPERS) retirement package with employer match.
- Optional deferred compensation (457/401A) plan with employer match.
- Professional training opportunities.
- Flexible schedules and opportunities for hybrid telework (as approved by supervisor).
- Family friendly and professional work environment.
- Employee Discount Programs (vision, cellular, fitness, recreation, season passes, travel, counseling)
- The State's total compensation package features benefits that are worth about 30% of your total compensation.

For a list of additional benefits, please visit the DAS website for more information.

The Department of Natural Resources encourages all applicants to upload a current resume and cover letter to their DAS online application.

The starting salary for new state (Executive Branch) employees is expected to be at the base of the pay range. Additional salary increases may occur after the first six months, and then annually (if applicable). The State's total compensation package features an outstanding set of employee benefits that are worth about 30% of your total compensation. Visit the

DAS website for more benefit information.

For more information about DNR Employment Opportunities and position specific notices, please visit the DNR Employment website.

The State of Iowa is an Equal Employment Opportunity Employer.

Iowa DNR Mission:

To conserve and enhance our natural resources in cooperation with individuals and organizations to improve the quality of life in Iowa and ensure a legacy for future generations.

Selectives

097 Civil Engineering

6 months' experience, 12 semester hours, or a combination of both in one or more of the following:

- Survey crew
- Construction inspector
- Professional civil engineer
- Must be able to read blueprints, plans, and/or specifications.

OR

182 Environmental Engineering

6 months' experience, 12 semester hours, or a combination of both in the area of engineering that is centered on the technology concerned with the reduction of pollution, contamination, and deterioration of the surroundings in which humans live.

OR

650 Sanitary Engineering

6 months' experience, 12 semester hours, or a combination of both in the engineering discipline concerned with the improved sanitation of human communities – such as assuring a supply of healthy drinking water, treatment of waste water and removing garbage from inhabited areas.

OR

093 Chemical Engineering

6 months' experience, 12 semester hours, or a combination of both in the mass production and knowledge of the processes involved in the mass production of chemicals.

Minimum Qualification Requirements

Graduation from an accredited college or university with a Bachelor's Degree in Environmental, Sanitary, Civil, Chemical, Nuclear, Mechanical, Industrial, Agricultural, Biomedical, or Public Health Engineering;

OR

Licensure as a Professional Engineer by the Iowa Board of Engineering Examiners.

For additional information, please click on this [link to view the job description. \(Download PDF reader\)](#)

Agency

State of Iowa

Agency

542 Iowa Department of Natural Resources

Address

Drinking Water Engineer Supplemental Questionnaire

*QUESTION 1

Do you understand that the answers to all of the following questions must be truthful, honest, and accurate to the best of your ability? Please read all questions and answers thoroughly and make sure you understand them completely. **Ensure the answers to your questions match the information filled out on your application and the attachments you have uploaded. If the answers to your questions are inconsistent with your application information or uploaded attachments, you will be given zero points for the question. Knowingly misrepresenting the facts when submitting any information related to an application, examination, certification, appeal, or any other facet of the selection process will result in your disqualification from this application and future employment with the state of Iowa.**

- Yes - I understand and agree.
- No

*QUESTION 2

PLEASE READ CAREFULLY

Have you filed a registration statement pursuant to the federal Foreign Agents Registration Act of 1938, as amended, 22 U.S.C. §611 et seq?

- No - I have NOT filed a registration statement pursuant to the federal Foreign Agents Registration Act of 1938, as amended, 22 U.S.C. §611 et seq
- Yes - I HAVE filed a registration statement pursuant to the federal Foreign Agents Registration Act of 1938, as amended, 22 U.S.C. §611 et seq

*QUESTION 3

Have you graduated from an accredited college or university with a Bachelor's Degree in Environmental, Sanitary, Civil, Chemical, Nuclear, Mechanical, Industrial, Agricultural, Biomedical, or Public Health Engineering?

- Yes
- No

*QUESTION 4

Do you currently hold a Licensure as a Professional Engineer by the Iowa Board of Engineering Examiners?

- Yes
- No

*QUESTION 5

Does your application demonstrate that you have 6 months' experience, 12 semester hours, or a combination of both in one or more of the following:

- Survey crew;
- Construction inspector;

- Professional civil engineer?

Must be able to read blueprints, plans, and/or specifications.

- Yes
 No

***QUESTION 6**

If you answered "Yes" to the question above - please list exactly HOW you meet it: list exact classes and credit hours, employer, dates and hours per week and exact duties. Please do not paste or state - See application or resume. If you answered no to the question above please type in "No" in the box below.

***QUESTION 7**

Does your application demonstrate that you have 6 months' experience, 12 semester hours, or a combination of both in Environmental Engineering, the area of engineering that is centered on the technology concerned with the reduction of pollution, contamination, and deterioration of the surroundings in which humans live?

- Yes
 No

***QUESTION 8**

If you answered "Yes" to the question above - please list exactly HOW you meet it: list exact classes and credit hours, employer, dates and hours per week and exact duties. Please do not paste or state - See application or resume. If you answered no to the question above please type in "No" in the box below.

***QUESTION 9**

Does your application demonstrate that you have 6 months' experience, 12 semester hours, or a combination of both in Sanitary Engineering, the engineering discipline concerned with the improved sanitation of human communities – such as assuring a supply of healthy drinking water, treatment of waste water and removing garbage from inhabited areas?

- Yes
 No

***QUESTION 10**

If you answered "Yes" to the question above - please list exactly HOW you meet it: list exact classes and credit hours, employer, dates and hours per week and exact duties. Please do not paste or state - See application or resume. If you answered no to the question above please type in "No" in the box below.

***QUESTION 11**

Does your application demonstrate that you have 6 months' experience, 12 semester hours, or a combination of both in Chemical Engineering, the knowledge of the processes involved in the mass production of chemicals?

- Yes
 No

***QUESTION 12**

If you answered "Yes" to the question above - please list exactly HOW you meet it: list exact classes and credit hours, employer, dates and hours per week and exact duties. Please do not paste or state - See application or resume. If you answered no to the question above please type in "No" in the box below.

***QUESTION 13**

After reviewing the list of essential functions for the Iowa Department of Natural Resources position you are applying for, please answer the following question: Based on the list of essential functions listed within the job announcement, are you able to perform the essential functions of this position, with or without a reasonable accommodation?

Yes

No

***QUESTION 14**

Reference Checks: If you are one of the top candidates for this position, the Hiring Team may wish to contact the references provided by you or any others we deem appropriate in order to verify your current or prior employment for the purpose of evaluation of your qualifications for the above position. Any information obtained through a reference check shall be kept confidential to the extent allowed under the Iowa Open Records Act (Iowa Code chapter 22). Please list below three professional business references, including at least one current or former supervisor. Please provide name, title, organization, relationship to you, phone, email, and full address of the reference. You may attach these to your application or type them in the box provided below.

* Required Question