

**Volunteer/Unpaid, DENVER, CO – EPA Region 8, Drinking Water Intern (CLOSING DATE:
04/17/2020 or Open until filled)**

Background: The Region 8 Water Division, Safe Drinking Water Branch implements the National Primary Drinking Water Regulations (NPDWRs) in Wyoming (~800 water systems) and Indian Country (~150 water systems), and oversees state implementation of the NPDWRs in Colorado, Montana, North Dakota, South Dakota and Utah. This work requires coordination with stakeholders internal and external to EPA, including operators at drinking water systems, state agencies, EPA headquarters, and EPA Office of Research and Development.

Job Description: As an intern in the Region 8 Water Division, Safe Drinking Water Branch, you will develop transferrable skills that will benefit you in future academic and career endeavors. You will be part of a dynamic team that works to protect public health by ensuring that the drinking water delivered to the public meets all applicable regulatory requirements. As an intern in the Safe Drinking Water Branch you will learn about the NPDWRs and drinking water protection in Region 8, contribute to the success of the team by acting as a resource to the program, and gain experience working toward EPA's mission to protect human health and the environment. Your primary task will be to assist the Safe Drinking Water Branch in researching appropriate indicators for making Ground Water Under the Direct Influence of Surface Water determinations at public water systems.

Specific duties may include, but are not limited, to the following:

- Review monitoring results from approximately 400 groundwater sources and develop a spreadsheet that summarizes the results and allows for data analysis.
 - Review well construction documentation (statements of completion, well logs, etc) for approximately 1,000 groundwater wells and develop a spreadsheet with summary information for each well to allow for input into a database as well as data analysis. This task may also involve evaluating the spatial proximity of each source to a surface water body.
 - Extract microscopic particulate analysis results from historical files and digitize these results to allow for data analysis.
 - Create a teacher/student guide for the Denver Metro Water Quality Assessment Tool.
 - Other duties as needed.
- (all duties will be accomplished with the support of the DW team)

Desired Skills:

- Excellent written and verbal communication
- Intermediate Excel / Word / PowerPoint
- Ability to work independently
- Works well on a team
- Ability to process and analyze large amounts of data and develop graphs and other tools to summarize the results in a simple and easy to understand format

Knowledge/Experience (optional, but a bonus):

- Basic understanding of drinking water treatment processes
- Basic understanding of environmental science
- Advanced R programming knowledge

Timeline: Intern will be on board for a minimum of 2 months, maximum of 4 months (there may be an opportunity to extend for a maximum of 6 months depending on circumstances).

Desired hours per week: 20 - 40

Desired start date: Flexible

(Note: From the time of acceptance, there will be a 2-4-week period prior to first day of work while paperwork is completed.)

How to Apply: Email your transcripts, resume, cover sheet to Jake Crosby at crosby.jake@epa.gov by Friday, April 17, 2020. Will continue to accept interest after 04/17/2020 until position is filled.

For More Information: Jake Crosby, Water Division, Safe Drinking Water Branch, 303.312.6389 or crosby.jake@epa.gov

Human Resources Contact: Elaine Robles, Human Resources, 303.312.6194 or robles.elaine@epa.gov