

2017 Summer Student Volunteer Internship Program

Position Title: Pretreatment Program Summer Volunteer

Background: Wastewater treatment plants, often called publicly-owned treatment works, are designed to treat domestic wastewater flow. However, POTWs often also receive non-domestic wastewater. The pretreatment program is implemented by POTWs to protect the plant from pollutants in non-domestic wastewater discharges which could interfere with the wastewater treatment plant, pass through the treatment system, or negatively affect the composition of the biosolids such that they cannot be beneficially reused. EPA oversees the local pretreatment programs in Colorado, Montana, and Wyoming. We receive annual reports from POTWs with a significant amount of information about the program which needs to be analyzed to evaluate the local programs.

Position Description: The student will assist the Wastewater Unit in the direct implementation of the pretreatment program by conducting data analysis from annual pretreatment reports. The student will evaluate data to ensure the approved pretreatment programs are adequately implemented.

This work will be done under the direction of the pretreatment coordinator and will benefit the NPDES permitting and enforcement programs by evaluating data for the approved local Pretreatment programs which will be used for targeting outreach, compliance assistance, and inspection activities. The student will also have opportunities to experience the operations of the Agency by shadowing staff and managers and conducting informational interviews.

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

- Evaluating budget and FTEs of the local program compared to the complexity of the program.
- Ensure local limits are protective of the POTW and collection system by trending influent data and comparing to approved Maximum Allowable Headworks Loadings of the POTW.
- Evaluate implementation of the POTWs pretreatment activities such as inspections, sampling, non-compliance, and enforcement of SIUs.

Desired Skills:

- Excellent written and verbal communication
- Basic Excel
- Basic Word
- Ability to work independently
- Works well on a team

Knowledge/Experience (optional, but a bonus):

- Basic understanding of wastewater treatment

Timeline:

Intern will be on board for a 3 months (there may be an opportunity to extend for a maximum of 6 months depending on circumstances, but this is not assured).

Desired hours per week: 30 – 40 hours

(preference will be given to qualified candidates available to work more hours per week).

Desired start date: Not fixed.

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

For More Information: Colleen Rathbone, 303-312-6133, rathbone.colleen@epa.gov

To Apply: By March 31, 2017, send cover letter (indicating position(s) of interest), resume and college transcript to R8EPAlntern@epa.gov.

[For additional information on how to apply and about EPA Region 8](#)