

OSRTI SUMMER INTERNS – PROJECT DESCRIPTIONS – FOR 2019

1 – Name of Project:

Evaluating Food Consumption by Hunters, Fishers, and Tribal Members for Superfund Risk Assessments.

TWO Intern Positions Available

2 – Contact Person Information:

Name: Dana Jones

Office: OSRTI

Division/Branch: ARD/SPB

Phone Number:

3 – Project Description:

Background of Project Area:

The project would involve research concerning two issues that arise when assessing risks from contamination at Superfund sites. The first project, provide an Excel spreadsheet from the Exposure Factors Handbook that combines the latest version of the exposure factors to the Superfund standard age ranges. The spreadsheet would be posted on the EPA Regional Screening Levels or Risk Assessment website.

The second project would involve analyzing information from Superfund risk assessments on fruit and vegetable consumption by native Americans that are outside of the 24 produce categories we already have in our risk assessment models developing cleanup levels for residential gardens and farms at chemical-contaminated Superfund sites. Second project would be analyzing what are the most common game animals for hunting and fishing in the US, and their respective intakes (fodder or prey, water ingestion, and soil ingestion) and information on human ingestion rates by persons hunting or fishing. In addition, evaluation of EPA assesses risks for consumption of produce and farm animals, similar to projects that evaluated radiation risk for these scenarios, https://epa-prgs.ornl.gov/radionuclides/20161130_Biota_TM_KLM_Final_printable_version.pdf.

Tasks to Be Completed By the Intern:

Objective(s) –Obtain information that would be useful for evaluating potential updates to EPA's methods for risk assessment at Superfund sites where either gardening, farm animals, hunting, fishing, or tribal gathering of plants is a concern to address in the human health risk assessment.

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Task(s)/assignment(s) –Develop two research papers and one presentation.

4 – What skills are needed for this project?

Risk assessment and/or public health college level course work would be desirable.

5 – Is travel or training involved? If yes, please provide specifics.

No



VOLUNTEER INTERNSHIP PROGRAM

OFFICE OF SUPERFUND REMEDIATION AND TECHNOLOGY INNOVATION (OSRTI)

PLEASE REVIEW THE FOLLOWING INFORMATION FOR INSTRUCTIONS ON HOW TO APPLY:

REQUIREMENTS

- At least 16 years of age
- Applicants must be current students pursuing a degree or certificate in a qualifying educational institution
- Able to provide a current transcript (official or unofficial accepted)
- Able to provide proof of enrollment (letter reflecting good standing and continued enrollment)
- Review attached project descriptions for prerequisites and/or knowledge/experience requirements

TIME COMMITMENT

- Projects are available during the following timeframe **May 20, 2019- September 01, 2019**
- Students must commit a minimum of 2 weeks
- Schedules may vary according to project and/or manager approval

POSITION LOCATION(S)

Environmental Protection Agency
One Potomac Yard
2777 Crystal Drive
Arlington, VA 22202

INTERNSHIPS RELATED TO THE FOLLOWING FIELDS OF STUDY

Accounting, Biology, Business Administration, Chemistry, Communications, Computer Science, Economics, English, Environmental Justice, Environmental Sciences, Information Systems, Political Science, Public Administration and more!

HOW TO APPLY

Visit for a complete listing of our internships

<https://www.epa.gov/careers/volunteer-unpaid-internship-opportunities-currently-open-epa>

- Send resume and cover letter -**with the project title in the subject line** to Jones.Dana@epa.gov