



Fall 2022 GIS Environmental Justice Intern

Organization Background

Founded in 1969, the Missouri Coalition for the Environment (MCE) is Missouri's independent citizens' environmental organization for clean water, clean air, clean energy, and a healthy environment. We envision a future where the people of Missouri, regardless of race, income, or geography, live in and demand a clean, safe, and protected environment, now and for generations to come. We work to achieve this vision through our mission of educating, organizing, and advocating in defense of Missouri's people and their environment.

Our values, listed below, direct the mission-driven activities we undertake to achieve our vision.

Collaboration – We learn from, nurture, and support other organizations and individuals working for environmental justice and protections. We recognize that we are stronger together.

Equity and Inclusion – We are committed to being inclusive in our work with partners, geographies, communities, and one another, and celebrate the contributions of our staff, supporters, partners, and volunteers. We acknowledge historical inequities and make intentional efforts to dismantle racist and other unjust systems.

Integrity – Our actions reflect our vision, our mission, and our values. We commit to continual learning, evaluation, reflection, and growth. The information we provide is accurate, reliable, factual, and science-based.

Sustainability – We are devoted to the environment because people are a part of nature and reliant on its biodiversity, stable climate, and unpolluted habitats for our survival.

Tenacity – We relentlessly champion the protection of Missouri's people and their environment.

For more info about MCE visit www.moenvironment.org.

Position Overview

As an advocacy organization, MCE works to advance greater protections for Missouri's people and their environment through regulation, legislation, and when necessary, litigation. Unfortunately, sometimes insufficient data exists to inform the desired policy change, which also means many citizens may not know about the environmental health harms to which they are exposed. MCE seeks an intern this fall to assist with creating powerful visuals that reveal the results of data we are collecting in the field and create accompanied messaging that helps Missourians understand the harms they face and how to take action.



Goal: Create compelling maps and other visuals displaying the results of various water and air quality testing projects to raise awareness about the issues and equip Missourians with the knowledge needed to take collective action.

Qualifications:

- Interest in environmental justice
- Studying environmental science, environmental studies, public health, or related field
- Experience with ArcGIS
- Experience with reading lab results for water and/or air quality testing
- Willingness to learn new programs that interpret and display scientific data
- Demonstrated success working independently as well as part of a team
- Comfortability with or willingness to communicate with new partners by phone, email, and video conferencing
- Experience with QuantAQ is a plus

Desired Deliverables:

- An interactive map that displays air quality data collected from MCE and our partners to increase awareness of air quality conditions across Missouri
- A map and/or other interactive visual of hazardous waste concerns in North St. Louis County in furtherance of goals of MCE and Just Moms STL through the STL Toxic Waste Alliance
- Visuals that display the results of water quality sampling and accompanied print/digital communication materials to share with residents concerned about water quality
- If time allows, an updated MCE map of Missouri's Concentrated Animal Feeding Operation

Intern Tasks and Responsibilities:

- Review results from air quality and water quality tests and determine how best to display the results without identifying the specific sampling location addresses
- Coordinate with MCE partners who are also monitoring air and water quality statewide to explore meaningful ways to display all organizations' data to inform Missourians and mobilize them into action
- Create communication materials about the issues of which MCE and partners are concerned that has lead to the monitoring and sampling projects
- Use data to create mapping visuals, including taking screenshots from Google Earth of known polluting entities or sources of contamination

Hours: 16 hours/week for 13 weeks. The internship begins Monday, September 19 and concludes on Friday, December 16. Work can be done remotely or at the MCE office.



Compensation: MCE's GIS EJ Intern receives a stipend of \$800, with half of the amount paid halfway through the internship and the remaining amount at the close of the internship.

How to Apply: Please send a cover letter and your resume to Policy Director Melissa Vatterott at mvatterott@moenvironment.org with "GIS EJ Intern" in the subject line.