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**MISSISSIPPI
WATERSHED
MANAGEMENT
ORGANIZATION**

POSITION DESCRIPTION

Position Title:	Water Quality Monitoring Intern
Position Status:	Temporary
Reports to:	Water Resources Director
Classification:	Non-Exempt
Hours per Week:	20–40

Primary Objectives

Responsible for providing assistance to environmental scientists, water resources specialist, and water resources director to carry out the activities of the water resource monitoring program.

Candidates must show a desire to learn more about water, natural resources, preservation, and restoration of urban ecosystems and other environmental issues.

Major Areas of Accountability

- Install, operate, and maintain monitoring equipment in the field that are necessary to implement the monitoring program;
- Monitor stormwater discharge at key outlets to the Mississippi River and main stem Mississippi River;
- Collect water quality samples for stormwater monitoring;
- Collect water quality samples for bacteria sampling from main stem Mississippi River and stormwater outfalls;
- Collect samples from ponds, wetlands, and best management practices;
- Coordinate with analytical laboratories for equipment supply and sample drop-off or pick-up;

INTERN POSITION DESCRIPTION

- Record the monitoring data regularly and accurately in the database for water quality analysis; and
- Carry out monitoring of the main stem Mississippi River for River Mixing Study.

Accountabilities for Collaborative and Team Participation

- Carry out the day-to-day activities of the activity and individual and team work plans as directed by the supervisor.
- Participate in staff team, contributing ideas and providing comments to help improve MWMO initiatives.
- Work collaboratively with staff and provide direction to new interns and volunteers.
- Perform miscellaneous office duties such as answering telephones, office support, etc., as requested. Keep office space in a clean and publicly presentable condition.
- Performs other accountabilities and projects as assigned.

Knowledge, Skill, and Abilities

Education

Must be currently enrolled in post-secondary education. Interest in the field of engineering, biology, limnology, water resources, earth science, environmental science or a related field.

Experience

Must have completed a conservation employment program such as the Mississippi River Green Team, Conservation Corps, Tree Trust, Urban Roots, Mississippi Park Connection River Fellows, Friends of the Mississippi River Environmental Stewardship Institute or another equivalent program and/or be participating in the AchieveMpls College Internship program.

Equivalency

An equivalent combination of relevant education/experience/professional licenses may be considered. Please list all other pertinent information.

Desirable Qualifications

- Able to display excellent verbal, written, organizational, and interpersonal communication skills.
- Able to work successfully with considerable independence.

INTERN POSITION DESCRIPTION

- Able to make immediate decisions and responses.
- Proficiency with a personal computer (PC) and Microsoft software packages for word processing, spreadsheet, database management and computer-generated graphics. Specifically, but not limited to, Microsoft Office, Excel, Word, Access, PowerPoint. Ability to effectively use email and internet applications and other common software applications.
- Able to obtain training on confined space entry procedures in first month of employment.
- A valid Driver's License

Physical Demands

This position will require some or all of the following activities:

Type of Activity	Frequency (S = Significant M = Moderate O=Occasional)
Walking/standing:	M/S
Sitting:	M
Standing in one place:	M
Climbing:	O
Pulling/Pushing:	M/S
Crawling/Kneeling/Squatting:	M/S
Bending/Stooping:	M/S
Twisting/Turning:	M/S
Repetitive movement:	M/S
Lifting waist to shoulder:	M/S
Lifting knee to waist:	M/S
Lifting floor to knee:	M/S

The field work component of this position is significant and could include, but is not limited to, the following:

- Installing steel enclosures
- Working outdoors under all weather conditions
- Installation of equipment in confined spaces (min 3' diameter stormwater pipes)
- Working in cold water flows with gloves and stream waders
- Able to carry 50 lbs. over uneven surfaces and slopes
- Removing manhole covers
- Hand trenching for cable chases

INTERN POSITION DESCRIPTION

- Post hole digging and setting 4"x4"x10' posts
- Building rain gauge platforms
- Fabricating PVC enclosures
- Anchoring cables/probes into concrete culverts
- Conducting field survey and using a transit
- Driving monitoring trucks and towing trailer with a boat on it
- Operating boat on the river
- Monitoring & collection of physical/chemical/biological data
- Using the following hand tools: a pick axe, 15lb maul, posthole digger, 20lb post driver, shovel, spade, tie downs, come-along, hammer, handsaw, screwdriver, wrenches
- Using the following power tools: circular saw, hammerdrill, reciprocating saw, hole saw and screw gun
- Fabricating or modifying grab sampling equipment to allow for the collection of grab samples in a variety of outfall locations
- Testing, installing, maintaining, and using the following monitoring equipment: Isco 6700 samplers, Isco flowloggers, Marsh Mc birney 3000 Flow Meter, Global level loggers, Rain gages, Solar Panels, Crest gages, stream and stormsewer staff gauges, Tensiometer, Piezometer, D.O / conductivity meter

The above is intended to describe the general content of and requirements for the performance of this job. It is not to be construed as an exhaustive statement of duties, responsibilities or requirements and does not imply a contract.

Employee's Signature

Date

Supervisor's Signature

Date