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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.

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;
- Record the monitoring data regularly and accurately in the database for water quality analysis; and

INTERN POSITION DESCRIPTION

- Carry out monitoring of the main stem Mississippi River for River Mixing Study

The job responsibilities also include performing miscellaneous office duties such as answering telephones, providing office support, and performing special projects and other responsibilities as apparent or assigned.

Accountabilities for Collaborative and Team Participation

- Participate in decisions related to the selection of personnel; e.g. interview panels;
- Orient new employees to organizational programs and team concept;
- Clearly communicate job duties and responsibilities so individuals may proceed with certainty in the performance of their positions; and
- May personally conduct portions of training for new employees to ensure established procedures are clearly understood and followed.

Knowledge, Skill, and Abilities

Education

Candidates must either have a minimum of bachelors of science degree or be currently enrolled in a four year bachelors of science degree program or graduate program in the field of engineering, biology, limnology, water resources, earth science, environmental science or related field.

Course work or experience with stream hydrology and water quality monitoring and chemistry is essential. An equivalent combination of relevant education/experience/professional licenses may be considered.

Experience

Prior experience may include research, education, management, negotiations, construction site supervision, watershed-based planning, urban environmental planning, development of storm water management systems, preservation/restoration of urban ecosystems, grant writing and other funding strategies.

Equivalency

An equivalent combination of relevant education/experience/professional licenses may be considered. Please list all other pertinent information. (See notes above concerning both describing related areas of experience and transcripts.)

INTERN POSITION DESCRIPTION

Desirable Qualifications

- Knowledge of public process in government, urban resource management and environmental issues, storm water management practices, program management techniques, public education/public information, design and graphics, dispute resolution, and group dynamics and interactions.
- Able to display excellent verbal, written, organizational, and interpersonal communication skills.
- Able to work successfully with considerable independence.
- Able to make immediate decisions and responses.

Additional Skills Required

- Able to display excellent organizational, verbal, written, and interpersonal communication skills.
- Able to work successfully with considerable independence.
- 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.
- Must have current training on confined space entry procedures or able to obtain training in first month of employment.

Physical Demands

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

Activity, Field Work, and Equipment Fabrication

Lifting/physical labor and general building skills are required. Stress level varies from low to very high.

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

INTERN POSITION DESCRIPTION

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 includes, 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
- 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,

INTERN POSITION DESCRIPTION

Solar Panels, Crest gages, stream and stormsewer staff gauges, Tensiometer, Piezometer, D.O / conductivity meter

License

By date of hire, must possess and maintain a valid Driver's License.

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