



BOONE COUNTY JOB DESCRIPTION

JOB TITLE: <u>Urban Hydrologist</u>	NEW: <input type="checkbox"/>	REVISED: <input checked="" type="checkbox"/> <small>(Please check one)</small>
REPORTS TO: <u>Stormwater Coordinator</u>	FLSA: <u>Non-Exempt</u>	DATE: <u>01/16</u>
DEPARTMENT: <u>Resource Management</u>	JOB CODE: 204	

ESSENTIAL FUNCTIONS: *(Essential functions, as defined under the Americans with Disabilities Act, may include the following tasks, knowledge, skills and other characteristics. This list of tasks is ILLUSTRATIVE ONLY, and is **not** a comprehensive listing of all functions and tasks performed by incumbents of this class.)*

Work directly with the Stormwater Coordinator to analyze impacts of projects and programs on water quality and hydrological resources, and to prepare associated written sections and reports. The Urban Hydrologist is expected to understand Missouri water quality regulations and have knowledge of watershed science, including both surface water and groundwater systems, and the interrelationship of hydrologic systems.

Assist with Illicit Discharge Detection and Elimination (IDDE) program. Respond to spills or illicit discharges into the Municipal Separate Storm Sewer System (MS4), or to surface water, and take appropriate corrective actions.

Analyze water quality data and trends and make program change recommendations. Install, maintain and collect data from automated field sampling equipment. Implement and review field sampling requirements and resulting data. Conduct field studies, such as stream cross section and flow during stormwater run-off events. Provide hydrological analysis including rating curves, BMP performance data collection and analysis. Provide field data reports and lab analysis reports to the supervisor. Maintain and update project databases to manage, store and report data generated during projects.

KNOWLEDGE AND SKILL:

1. Knowledge of theories, principles, practices and techniques of hydrology, hydraulics or geology.
2. Ability to use hydrologic data collection and analysis equipment in the field and in the office.

3. Ability to understand and apply complex local, state and federal water quality regulations and standards.
4. Good reading comprehension, ability to absorb large amounts of technical information and condense to easily interpreted policy recommendations.
5. Excellent oral and written communication skills required to interact with County citizens, City and State agencies, and County elected officials proficiently.
6. Good knowledge of Microsoft systems: Word, Excel, PowerPoint and Access.
7. Understanding of GIS and database management.

MINIMUM QUALIFICATIONS:

Bachelor's degree in Fisheries, Forestry, Geology, Environmental Planning, Soil Science or similar field of study. Prefer at least three years of professional experience but will consider a combination of education and experience. Prefer experience in developing and conducting field data collection, installation and maintenance of hydrological equipment, water quality analysis, data analysis and management.

APPROVALS:

Department Director: _____ Date: _____
(Signature)

HR Director: _____ Date: _____
(Signature)