

Code: 2384

Title: CHIEF HYDROLOGIST

SUMMARY: Manages and supervises operations of the Flood Control District or major division of the Regional Wastewater Reclamation District (RWRD) in hydrological or environmental investigations, analyses, drainage and flood control design, interpretation and enforcement of the Floodplain Management Ordinance(s), groundwater quality standards and related state and federal rules, regulations and guidelines; provides technical advice to the county engineer, commissions, advisory boards in the same areas, oversees the installation and operation of flood control and related warning and remote sensing systems.

DUTIES/RESPONSIBILITIES: (Work assignments may vary depending on the department's needs and will be communicated to the applicant or incumbent by the supervisor)

Manages and supervises the operations of the Flood Control District or a major division of RWRD;
Represents the Flood Control District or RWRD at meetings, conferences, hearings, workshops and symposia;
Prepares requests for proposal (RFP) and negotiates contracts for topographic mapping, floodplain delineation and hydrology studies, remedial investigations and design of groundwater and landfill treatment systems;
Interprets and enforces the Floodplain Management Ordinances in dealing with developers, contractors, property owners, the public and county flood control projects;
Provides technical hydrological advice to the county engineer and commissions and advisory boards in matters pertaining to drainage, floodplain management and the Federal Flood Insurance programs;
Performs hydrology studies and floodplain delineation for flood control projects;
Performs groundwater studies and contaminate flow modeling for remedial investigations;
Directs flood warning system operations and dissemination of system information;
Directs groundwater and pollution control system operations;
Prepares and submits the budget for the Flood Control District;
Supervises, trains and evaluates professional, technical, paraprofessional and support staff;
Plans, assigns and reviews work of assigned staff.

KNOWLEDGE & SKILLS:

Knowledge of:

- provisions and restrictions of the Floodplain Management Ordinance(s) or groundwater and pollution control requirements at wastewater/solid waste facilities;
- provisions and requirements of the Federal Flood Insurance program;
- provisions and requirements of Arizona Aquifer Protection permits and Water Quality Assurance Revolving Fund (WQARF) and federal superfund or CERCLA requirements;
- storm drainage and flood control structure design;
- principles of surface and groundwater hydrology;
- computer modeling techniques for hydrologic and hydraulic studies;
- principles and practices of management, supervision and administration;
- county budgeting and contracting processes.

Skill in:

- managing and performing hydrologic/hydraulic studies;
- interpreting and enforcing the Floodplain Management Ordinance(s), groundwater quality regulations and related laws, rules and regulations;
- interpreting and disseminating data from flood control warning, pollution control and monitoring systems;
- writing technical hydrological/hydraulic reports;
- preparing and administering a defined budget;
- supervising and evaluating the work of others.

MINIMUM QUALIFICATIONS:

EITHER:

- (1) A Bachelor's degree from an accredited college or university with a major in hydrology, hydrogeology, geology or watershed management or a Bachelor's degree from an accredited college or university in civil engineering with a minor in hydrology, hydrogeology or watershed management and six years of professional experience in hydrology, hydrogeology or watershed management including at least two years of supervisory or management experience.

[A Master's degree from an accredited college or university in one of the cited disciplines may substitute for one year of experience]

[An earned doctorate from an accredited college or university in one of the cited disciplines may substitute for two years of the required professional experience]

[Supervisory/management experience may be concurrent with required professional experience]

OR:

- (2) Eight years of professional experience in hydrology, hydrogeology or watershed management and two years of supervisory or management experience.

[Supervisory/management experience may be concurrent with the required professional experience]

OTHER REQUIREMENTS:

Licenses and Certificates: Some positions may require a valid Arizona Class D driver's license at the time of appointment or prior to completion of initial/promotional probation.

Physical/Sensory Requirements: Physical and sensory abilities will be determined by position.

This class specification is intended to indicate the basic nature of positions allocated to the class and examples of typical duties that may be assigned. It does not imply that all positions within the class perform all of the duties listed, nor does it necessarily list all possible duties that may be assigned.