

HYDROLOGIST SUPERVISOR

KIND OF WORK

Supervisory work in hydrology, hydraulics, geohydrology, geochemistry, groundwater protection, and water resources management.

NATURE AND PURPOSE

Under limited supervision, supervises professional and technical staff to carry on hydrologic, hydraulic, geohydraulic, geochemical, groundwater protection, and water resource management activities as part of a major phase of a statewide water resource management program to provide for the wise use, conservation, and preservation of the state's water resources. This position requires a specialized technical proficiency including a grasp of involved practices and precedents and of hydrologic theory and principles plus an ability to understand, select, develop, motivate and supervise people; develops procedures for lower-level hydrologists, and often solves problems requiring inductive thinking to develop new solutions; and has a primary accountability for programs/projects within practices and procedures covered by precedents or policies; performs related work as required.

EXAMPLES OF WORK (A position may not include all the work examples given, nor does the list include all that may be assigned.)

Provides overall direction to hydrologic, hydraulic and hydrogeologic activities within a region through subordinate professional and technical staff and by securing input of specialists from other disciplines so that resulting actions are technically sound and reflect multi-disciplinary concerns.

Develops and reviews policies, guidelines, and technical procedures with respect to quantity, quality, and use of Minnesota's surface and groundwaters so that comprehensive water management programs can be carried out.

Provides expert technical testimony in hearings and court proceedings conducted in program areas dealing with stream hydrology and hydraulics, public waters permits, and groundwater hydrology, hydraulics, hydrogeology, and geochemistry so that policies and positions of the State of Minnesota can be stated and defended.

Assists in development of guidelines for statewide programs for data collection and evaluation on stream hydrology and hydraulics, and groundwater hydrology, hydraulics, geohydrology, and geochemistry so that the necessary information is available when water and related land use decisions are made.

Provides technical advice and assistance to regional offices and other staff to aid in resolving specific problems encountered in their work assignments.

Provides technical representation on state, federal or local committees and/or taskforces relating to water resources, groundwater protection, and water planning.

Investigates or directs technical hydrogeologic investigations at hazardous waste sites throughout the state to define groundwater contamination and prepare and respond to recommendations regarding mitigative measures.

Maintains appropriate liaison with field offices of other state agencies, county engineers, watershed districts, soil and water conservation districts, county boards, municipalities, lake improvement districts or associations, regional development commissions, state legislators, and the general public in order to promote and improve water programs.

Supervises technical assistance to enforcement personnel in determination and prosecution of water resource law violations in order to protect the public values of the resource.

Coordinates the inventory of public waters in each county so that all waters subject to state regulations are identified.

Supervises regional program overseeing local government administration of zoning controls regulating water-related lands so that use and development of shorelands and floodplains are undertaken within the public health, safety, and general welfare of the people of Minnesota.

Directs a compliance/surveillance program in order to determine that permitted solid waste facilities are operated in accordance with their permit conditions and applicable solid waste rules and regulations and non-conforming facilities are brought into compliance according to reasonable and enforceable time schedules.

Monitors activities in the field offices relative to a statewide water resource management program in order to ensure that the program is administered uniformly throughout the state.

KNOWLEDGE, SKILLS AND ABILITIES REQUIRED

Knowledge of:

Principles of hydrology, hydraulics, geohydrology, geochemistry, and groundwater quality protection.

Principles and practices of land use planning, groundwater protection, and land use controls.

State water law.

Principles and practices of water resources management, groundwater quality protection and water well construction.

Principles and practices of data processing.

Local, state and federal water resource programs.

Principles of management.

Ability to:

Supervise and coordinate activities related to one or more water resource projects or programs of moderate size and complexity.

Supervise the work of others.

Communicate effectively verbally and in writing.

Est.: 6/81T.C.:

Rev.:

Ckd.: 11/91

Former Title(s):