

ILLINOIS DEPARTMENT OF CENTRAL MANAGEMENT SERVICES  
CLASS SPECIFICATION

ENVIRONMENTAL EQUIPMENT OPERATOR II

POSITION CODE: 13762

Effective: 12-20-

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DISTINGUISHING FEATURES OF WORK:

Under general direction, serves as a lead worker of a drilling crew and operates heavy mechanical equipment to collect environmental samples and install groundwater monitoring wells to determine contamination of groundwater, soil and bedrock core; ensures equipment is properly packed, loaded and transported to and from sites and equipment is set up in appropriate area; ensures decontamination procedures for equipment, tools and supplies are enforced and proper safety procedures are followed; prepares appropriate logs and reports.

ILLUSTRATIVE EXAMPLES OF WORK:

1. Operates heavy mechanical equipment to obtain soils, groundwater and rock core samples using state-of-the-art drilling methods including vertical, angle, bedrock core drilling, continuous tube, split spoon and shelby tube sampling; monitors depth and reports variations in penetration to higher level staff.
2. Installs all type of groundwater monitoring wells using various techniques depending upon the strata; measures well construction details including length of casing, thickness of sand pack, bentonite seal and cement grout.
3. As a lead worker, directs the activities of the drilling crew; ensures equipment, material and supplies are properly packed, loaded and transported to and from site; ensures materials are properly mixed for best pumping consistency and assembled metal pipes are properly connected.
4. Follows standard procedures in the installation of wells, obtaining water levels and collecting samples; ensures decontamination of samples; informs professional staff of change occurring in the geological strata; prepares logs and reports documenting the process by which samples are collected.

## ENVIRONMENTAL EQUIPMENT OPERATOR II (Continued)

5. Ensures all tools and equipment are properly decontaminated to prevent cross-hole contamination, site to site contamination; ensures field safety procedures are maintained.
6. Performs other duties as required or assigned which are reasonably within the scope of the duties enumerated above.

## DESIRABLE REQUIREMENTS:

Education and Experience

Requires knowledge, skill, and mental development equivalent to the completion of four years of high school and five years of experience, two of which are in drilling, technical engineering and/or heavy equipment operation.

Requires 40 hours of safety training, as defined by the Occupational Safety and Health Administration for those dealing with hazardous materials.

Knowledges, Skills and Abilities

Requires working knowledge of the operation and maintenance of drilling equipment.

Requires working knowledge of the safety practices associated with drilling techniques and loading and transporting equipment and materials.

Requires ability to distinguish different geological strata formations encountered.

Requires ability to maintain logs, books or diaries to document the accurate process of collecting samples.

Requires ability to instruct others.

Requires an appropriate valid commercial driver's license - class A, with appropriate endorsements.