

Classification Title: Soil Scientist

FLSA Status: Non-Exempt

BRIEF DESCRIPTION: Ensures compliance with and enforcement of laws and regulations regarding wells, on-site wastewater systems, residuals and public swimming pools. Assists with plan reviews, staff training and quality assurance. Prepares wastewater system designs and inspects permitted systems.

ESSENTIAL FUNCTIONS:

This information is intended to be descriptive of the key responsibilities of the position. The following examples do not identify all duties performed by any single incumbent.

S Sedentary	L Light	M Medium	H Heavy	V Very Heavy
Exerting up to 10 lbs. occasionally or negligible weights frequently; sitting most of the time.	Exerting up to 20 lbs. occasionally, 10 lbs. frequently, or negligible amounts constantly OR requires walking or standing to a significant degree.	Exerting 20-50 lbs. occasionally, 10-25 lbs. frequently, or up to 10 lbs. constantly.	Exerting 50-100 lbs. occasionally, 10-25 lbs. frequently, or up to 10-20 lbs. constantly.	Exerting over 100 lbs. occasionally, 50-100 lbs. frequently, or up to 20-50 lbs. constantly.

#	Code	Essential Functions
1	M	Conducts tests of soil samples to provide scientific characterization and evaluation of sites for waste disposal. Measures soil properties so they can be accurately classified, interpreted, grouped and delineated on plot plans or base maps for use in site planning.
2	M	Reviews designs, issues permits and conducts construction inspections on modified or alternative systems. Evaluates designs, completes documentation and issues permits when systems are complete. Consults with engineers and builders to ensure compliance or when modifications are required.
3	M	Conducts compliance evaluation inspections related to operation and maintenance for selected subsurface wastewater disposal systems and residual disposal sites. Maintains files on inspections along with any recommended enforcement actions. Conducts surveys of local facilities to determine discharges into the groundwater.
4	L	Prepares permits, documents findings and maintains records. Writes reports for use in operation and maintenance inspections, soil and site evaluations and design reviews. Advises staff, consultants, developers, contractors, design engineers and the general public regarding permitting issues. Provides education, presentations and seminars on a variety of environmental issues.

CLASSIFICATION REQUIREMENTS:

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Education	Bachelor's degree in Soil Science or related field.
Experience	Two years experience in soil science or wastewater disposal.
Equivalent Education & Experience Accepted?	Yes
Certification and Other Requirements	Valid driver's license, Registered Sanitarian, Soil Scientist Licensure.
Reading	Advanced
Math	Advanced
Writing	Intermediate
Managerial	Receives General Direction.
Budget Responsibility	Has no budget responsibility.
Supervisory / Organizational Control	No responsibility for the direction or supervision of others.
Interpersonal / Human Relations Skills	Work requires frequent and regular contact with others in a direct reporting relationship and may involve contact with others outside of the direct reporting relationship. The purpose of the contact is to address specific issues and/or general policies. Contact may involve support of controversial positions or the negotiation of sensitive issues.

OVERALL PHYSICAL STRENGTH DEMANDS:

Sedentary	Light	Medium X	Heavy	Very Heavy
Exerting up to 10 lbs. occasionally or negligible weights frequently; sitting most of the time.	Exerting up to 20 lbs. occasionally, 10 lbs. frequently, or negligible amounts constantly OR requires walking or standing to a significant degree.	Exerting 20-50 lbs. occasionally, 10-25 lbs. frequently, or up to 10 lbs. constantly.	Exerting 50-100 lbs. occasionally, 10-25 lbs. frequently, or up to 10-20 lbs. constantly.	Exerting over 100 lbs. occasionally, 50-100 lbs. frequently, or up to 20-50 lbs. constantly.

MACHINES, TOOLS, EQUIPMENT, AND WORK AIDS:

Hand and power tools, soil gathering devices, measuring devices, cameras, computers, printers and related software

PRIMARY WORK LOCATION	
Office Environment	Shop
Clinic	Vehicle
Recreation Centers/Neighborhood Centers	Warehouse
X Outdoors (see 1 below)	Other (see 2 below)

- (1) Various sites and types of conditions
- (2) N/A

PROTECTIVE EQUIPMENT REQUIRED:

Steel toed boots, hard hat, safety glasses, reflective vest