

DELAWARE SOLID WASTE AUTHORITY

JOB DESCRIPTION

NOVEMBER 1, 2008

TITLE: SENIOR ENVIRONMENTAL SCIENTIST

REPORTS TO: MANAGER OF LANDFILL GAS SYSTEMS
MANAGER OF ENVIRONMENTAL MONITORING AND TESTING
ENGINEER

JOB CLASS: EXEMPT

LOCATION: VARIOUS

PURPOSE:

This position provides a DSWA staff member who is responsible for the coordination of environmental monitoring and testing activities at all DSWA facilities. Work assignments will require knowledge of basic environmental sciences, chemistry, statistical analysis techniques, and microcomputer applications and operation. In addition, assignments will cover a wide range of activities including coordinating the collection of environmental data from air and water quality monitoring and solid waste disposal operations. The exercise of judgement on details of work including determination of appropriate environmental monitoring equipment, sampling, laboratory analysis procedures, and acquisition and analysis of data must be used. Familiarity with all applicable environmental regulations including those pertaining to infectious waste is required. This position represents DSWA at meetings with other state agencies or educational institutions on matters dealing with environmental monitoring requirements or research projects. In addition, this person may supervise and/or coordinate and oversee activities of Environmental Technicians.

JOB DUTIES:

- * Responsible for the interpretation of all environmental data
- * Conducts literature reviews for research and development projects concerning infectious waste, landfill gas, effect of leachate recycling and gas venting on air quality surrounding landfills (focusing on volatile organics and hydrocarbons), asbestos, and fly ash, as examples.
- * Coordinates activities with medical organizations, state agencies, educational institutions, and equipment vendors.

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- * Supervises Environmental Technicians
 - * Heavy emphasis on routine application of microcomputers and instrumentation to collect and analyze data.
 - * Prepares tables, graphs and reports of the collected data which shall provide an analysis of the results with conclusions and recommendations.
 - * Responsible for the selection, procurement, installation, and maintenance of all environmental monitoring equipment.
 - * Coordinates the selection of sampling firms and laboratories and monitors their quality control procedures.
 - * Responsible for assuring that all environmental monitoring requirements of all DSWA permits are met.
 - * Responsible for the supervision of applicable laboratory field tests
 - * Responsible for equipping and maintaining Authority's field testing facilities
- Performs related work as required.

QUALIFICATIONS:

Possession of a Bachelor's Degree in environmental science, chemistry, or biology from an accredited college or university and five (5) years' experience of the type specified above.

Note: This is a safety sensitive position and requires drug testing as a condition of employment.

* Denotes essential functions of the job