

DELAWARE SOLID WASTE AUTHORITY

JOB DESCRIPTION

NOVEMBER 30, 2008

TITLE: ENVIRONMENTAL SCIENTIST

REPORTS TO: MANAGER OF LANDFILL GAS
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 the collection of environmental data from air and water quality monitoring and solid waste disposal operations. The exercise of judgment 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 will represent DSWA at meetings with other state agencies or educational institutions on matters dealing with environmental monitoring requirements or research projects. In addition, this position may supervise and/or coordinate and oversee activities of Environmental Technicians.

JOB DUTIES

- * Assists in 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.

Environmental Scientist
Job Description
Page 2

- * Heavy emphasis on routine application of microcomputers and instrumentation to collect and analyze data.
- * Prepares tables, graphs, and reports for 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.
- * Monitors the quality control procedures of sampling firms and laboratories.
- * Provides assistance to assure that all environmental monitoring requirements of all DSWA permits are set.
- * Responsible for conducting applicable laboratory field tests
- * Responsible for equipping and maintaining Authority's field-testing facilities.

May supervise Environmental Technician

Perform other duties as assigned.

QUALIFICATIONS:

Possession of a bachelor's of science degree with a major preferred in environmental science, chemistry, or biology from an accredited college or university. Training, knowledge and experience of applicable computer software is required.

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

- * Denotes essential functions of the job