



**YOUNGSTOWN
STATE
UNIVERSITY**

CLASSIFICATION SERIES:

N/A

CLASSIFICATION CODE/PAY GRADE:

83421/29

BARGAINING UNIT:

ACE

Environmental Scientist

SERIES PURPOSE: The purpose of the Environmental Scientist occupation is to conduct field and/or office reviews, facility or site inspections, and/or prepare and process reports and documents detailing conditions having impact on environment.

CLASS CONCEPT: The class works under general supervision and requires considerable knowledge of environmental science, engineering, chemistry, physics, biology, or other comparable science field in order to assist in the development and implementation of a comprehensive solid waste program. Evaluates and analyzes data relative to environmental effects of pollution control, construction activities, and various other environmentally significant programs; prepares environmental assessments and impact analysis.

JOB DUTIES: Incumbents may perform some or all of these duties or other job-related duties as assigned.

Performs bacteriological testing and chemical analysis; reviews result with supervisor. Maintains stock culture collection of organisms used in student teaching and research laboratories; prepares cultures needed for student labs. Assures that cultures and supplies necessary for student labs and research requests are prepared and distributed. Purchases supplies necessary for these tasks. Keeps inventory of laboratory supplies and maintains adequate stock of materials.

Supervises student employees in preparation of laboratory materials. Processes infectious waste according to Ohio Solid Waste Regulations and properly disposes of same with appropriate documentation. Informs supervisor of any problems in solid or infectious waste stream.

Assists in performance of Phase I Environmental Audits, asbestos inspections, and in evaluation of environmental impacts on campus to assure University compliance with federal, state, and local legislation. Performs analytical testing of fume hoods, etc. and reports problems to facilities. Makes recommendations to supervisor on changes to be made in environmental programs based on analytical data. Performs environmental sampling and analysis. Responds to and evaluates employee complaints regarding safety, indoor air, and other health related concerns. Performs bake sale inspections. Pours

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waste chemicals and helps determine compatibilities and preparation for hazardous waste removal in accordance with Resource Conservation and Recovery Act. Responds to all emergencies. Assists in all routine aspects of the Radiation Safety Program.

Keeps records and performs all necessary quality control pertinent to the operation of the laboratory. Maintains and calibrates all safety equipment. Assists in University pest control operations. Requisitions equipment and supplies.

Maintains chemical and biohazard spill supplies and personal protective equipment. Assures that the necessary supplies are available when needed.

Performs other related duties as assigned.

KNOWLEDGE, SKILLS, AND ABILITIES:

Knowledge of: environmental science; planning principles and techniques; office practices and procedures*.

Skill in: use of cartographic instruments*; use of a computer.

Ability to: define problems, collect data, establish facts, and draw valid conclusions; use statistical analysis; write meaningful, concise, and accurate reports; gather, collate, and classify information about data, people, or things; answer inquiries.

(*) Developed after employment.

MINIMUM QUALIFICATIONS: High School Diploma or GED: one year of experience in environmental science, statistical analysis, and/or research techniques.

REQUIRED CERTIFICATIONS, TRAINING, AND/OR LICENSURES: None

PHYSICAL REQUIREMENTS: In accordance with the U.S. Department of Labor physical demands strength ratings, this position will perform light work.

LIGHT: work involves exerting up to 20 pounds of force occasionally, or up to 10 pounds of force frequently, or a negligible amount of force constantly to move objects, requiring: (1) walking or standing to a significant degree; (2) sitting most of the time while pushing or pulling arm or leg controls; or (3) working at a production rate pace while constantly pushing or pulling materials even though the weight or the materials is negligible. (The constant stress and strain of maintaining a production rate pace, especially in an industrial setting, can be and is physically demanding of a worker even though the amount of force exerted is negligible.)

UNUSUAL WORKING CONDITIONS: May be exposed to dangerous chemicals, materials, and/or unpleasant odors.