STATE OF ARIZONA JOB CODE CLASSIFICATION SPECIFICATION

FLSA:	**NEXP**	**Job Code:**	**ACV37411**
Job Class Code:	**740**	**Salary Schedule:**	**AREG**
EEO Category:	**02**	**Grade:**	**18**
Workers Comp Code:	**8833**		
Job Code Established:	**11/01/97**	**Effective Date:**	
Job Code Revised:		**Effective Date:**	

JOB CODE SERIES: State Health Series

JOB CODE TITLE: STATE HEALTH PHYSICIST I

HRIS TITLE: STATE HLTH PHYSICIST I

WORK DESCRIPTION: Conducts field surveys and technical inspections to determine radioactive leakage; determines adequacy of radiation control program, radiation safety equipment, and radiation measurement instrumentation for radioactive emissions, and radiation control factors of facilities, equipment, and instruments; calculates and evaluates radiation exposure readings and determines radiation doses; makes basic safety standards recommendations; performs basic environmental sampling and analysis; assists in basic environmental surveillance of uranium mills.

WORK ACTIVITIES: Conducts x-ray equipment and/or radioactive materials inspections, determines compliance with agency regulations.
Participates in technical inspections and evaluations in the ionizing and/or non-ionizing programs.
Determines radiation dosage or exposure of skin for acceptable standards.
Assists in environmental monitoring, sampling, and analysis surrounding a fixed nuclear facility.
Performs routine environmental samplings surrounding uranium mines and tailings sites.
Obtains and records raw analytical data; calculates final results.
Performs quality control assurance analysis; maintains appropriate records.
Participates as a member on an emergency team in response to a reported incident.
Checks safety features on equipment for proper operation and makes recommendations to users to provide and maintain safety standards.
Demonstrates proper radiological and radiation health and safety procedures for registrants, licensees and staff.
Writes detailed reports on all field inspections and surveys.
Evaluates data from radiation surveillance systems and resultant chemical analysis of samples.
Attends periodic workshops and training sessions to improve working knowledge and skills; such training encompasses a body of theories or concepts underlying the field of practice.
Enters into cross-training programs; participates in mock emergency response and radiation materials program activities.
Performs related work as required.

WORK CONDITIONS: Exposure to radiation and hazardous materials; subject to high stress when working under emergency conditions; some travel with overnight stay; required to be cross-trained in all agency programs. Must be able to lift 40 pounds.

SUPERVISION: Works under general supervision of the Program Manager.

WORK RESULTS/PRODUCTS: Inspections, radiation measurements, evaluations, and registration processes reported; assessment of radiation interactions and exposure levels verified; analytical test results documented, quality assurance tests completed; radiological health and safety procedures demonstrated.

RESPONSIBILITY: For quality inspections and compliance evaluations in the radiation health and safety programs; for the collection and analysis of representative environmental samples, data reduction analysis, and interpretation of test results.

AUTHORITY: To make field decisions concerning compliance status of equipment, facilities, safety standards and programs.

KNOWLEDGE, SKILLS AND ABILITIES

Knowledge of: mathematical procedures used to interpret radiation-producing sources; radiation detection methods; basic radiation physics and biological effects; methods and techniques for preparing and analyzing environmental samples; State and Federal laws governing the use of radiation; basic radioactive waste disposal techniques and procedures; methods for transporting radioactive materials.

Skill in: operating and maintaining radiation detection equipment and instruments; operating and maintaining microcomputers for evaluation and analysis tasks; collecting, testing, evaluating and protecting environmental samples.

Ability to: recognize hazardous materials; calculate dosimeter readings and to interpret and communicate results; write technical reports; communicate verbally and in writing; perform mathematical calculations.

SPECIAL SELECTION FACTORS: Requires the ability to pass a post-offer physical exam. May require current registration from the American Registry of Radiologic Technologists as a Radiologic Technologist. May require possession of and ability to maintain a current, valid Arizona drivers license appropriate to the assignment.