

TITLE: Senior Radiation Safety Specialist_____	SALARY SCHEDULE:	CLASS CODE: <u>PE373</u>
UNION: <u>P&A, Local 1979, UAW</u>	SALARY GRADE: <u>12</u>	EEO CODE: <u>30</u>
	FLSA: <u>Exempt</u>	E- CLASS: <u>PE</u>

POSITION PURPOSE

The Senior Radiation Safety Specialist is responsible for monitoring exposure to radiation and conducting radiation safety processes to reduce or remove radioactive waste materials. Develop and present customized training to employees exposed to radiation based on federal regulatory requirements.

ESSENTIAL JOB FUNCTIONS

Perform troubleshooting and calibration of survey instruments including liquid scintillation counters (LSC). Assist in LSC decommissioning which is removal of radiation source prior to disposal by identifying source location and removing without contamination.

Provide training, inspection and evaluation of exposure controls for the laser safety program.

Administer, archive and maintain personal dose records. Prepare annual Nuclear Regulatory Commission (NRC) dose summary reports and provide to workers. Conduct annual program reviews ensuring that employees have not exceeded the annual NRC dose limits. Evaluate the criteria for dosimeter use based on NRC regulations. Develop and provide training in use and distribution of radiation dosimeter badges.

Develop and provide training to researchers on various aspects of the program including the use of liquid scintillation counters (LSCs), survey meters and air monitoring equipment. Develop and provide radiation safety training to ancillary personnel in facilities, trades and police department

Evaluate radioactive waste decay process of short- and long-lived radioisotopes by performing mathematical decay calculations and inventory of radioactive waste.

Assist in maintaining and implementing bioassay program to determine uptake of radioactivity. Collect, analyze and evaluate samples.

Perform safety inspections for use of non-ionizing radiation like UV light, infrared and MRI

THIS DESCRIPTION IS INTENDED TO INDICATE THE KINDS OF TASKS AND LEVELS OF WORK DIFFICULTY THAT WILL BE REQUIRED OF POSITIONS THAT WILL BE GIVEN THIS TITLE AND SHALL NOT BE CONSTRUED AS DECLARING WHAT THE SPECIFIC DUTIES AND RESPONSIBILITIES OF ANY PARTICULAR POSITION SHALL BE. IT IS NOT INTENDED TO LIMIT OR IN ANY WAY MODIFY THE RIGHT OF ANY SUPERVISOR TO ASSIGN, DIRECT AND CONTROL THE WORK OF EMPLOYEES UNDER THEIR SUPERVISION. THE USE OF A PARTICULAR EXPRESSION OR ILLUSTRATION DESCRIBING DUTIES SHALL NOT BE HELD TO EXCLUDE OTHER DUTIES NOT MENTIONED THAT ARE OF SIMILAR KIND OR LEVEL OF DIFFICULTY.

Prepare dangerous goods and instrument shipments in compliance with International Air Transport Association (IATA) and Department of Transportation (DOT) regulations

Ship survey instruments and sealed sources from campus in compliance with NRC and DOT regulations

Perform related work as assigned.

ADDITIONAL COMMENTS

This classification level requires a grasp of both involved practices, precedents and scientific theory to monitor radioactive exposure and radioactive material and equipment. This position is responsible for staying current with federal and State regulations and standards relating to the monitoring and evaluation of radioactive exposure. This classification is located in the Department of Environmental Health and Safety and reports to and receives work direction from a professional level position.

MINIMUM QUALIFICATIONS

Graduation from an accredited college or university with a bachelor's degree in physical science, health physics or related field, or an equivalent combination of education and/or experience.

Knowledge and strong understanding of Nuclear Regulatory Commission (NRC) and State of Michigan compliance requirements

Experience working with radiation monitoring equipment

Previous experience developing and providing training programs.

Ability to communicate effectively with others.

Ability to follow oral and/or written instructions.

Keen attention to detail in order to question and identify problems that should arise.

Possession and maintenance of a valid Michigan vehicle operator's license required.

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