

UNIVERSITY OF MAINE AT PRESQUE ISLE

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Radioactive Material Management

Written 2010
In Compliance With Federal OSHA Regulations

Introduction

The use of low-level radioactive materials at the University of Maine at Presque Isle presents unique safety, environmental, and regulatory concerns. The purpose of this policy is to establish a control plan for the labeling, tracking and sampling of low-level radioactive substances. Failure to adhere to these policies will subject employees to disciplinary action up to and including dismissal from University employment.

Control Plan

A control plan shall be written and maintained by designated employees in labs using radioactive material. A copy of the plan shall also be issued to the Occupational Safety and Health Office. Each control plan shall include:

1. **Labeling:**
All radioactive substances inventoried by instructors must be appropriately labeled.

2. **Disposal:**
Employees disposing of low-level radioactive substances less than .002 microcuries/mil need to complete a label sufficiently identifying the substance before it may be accepted for disposal by the Occupational Safety & Health office. The following example lists the minimum information which must be contained on the label:

Contents - TOLUENE, TRITON-X-100 DETERGENT, DIMETHYL POPOP, DH O, C
Glycine and C Inulin
Hazard Warning- Low-level radioactive material under .002 microcuries/mil
Instructor's Name-Name of Instructor
Building Name - Name of Building
Laboratories - Name of Lab (room number)
Quantity - Amount of material
Date of Labeling - Date

3. **Tracking and Sampling:**
Employees who use low-level radioactive substances must prepare a detailed tracking plan to assist in the auditing process. Such plans will be submitted annually to the Office of Occupational Safety and Health and must include the name of the hazard, the quantity initially received, and an annual wipe sample of the areas which the substance is used. The plan will also be annotated each time a radioactive substance is used or disposed of.

Usage Procedure

Appropriate procedures for using substances must be included

Storage

All substances must be appropriately and safely stored including container waste quantities.

