

RADIOACTIVE WASTE PROGRAM

INTRODUCTION

This document describes the Particle Physics Division program for the handling and disposal of radioactive waste. It lists responsibilities and requirements intended to minimize the generation of radioactive waste, ensure the proper segregation of various waste types, and help ensure compliance with all applicable regulations.

The key elements in achieving a successful program are proper waste characterization and the consistent use of the "Radioactive Waste Certification and Pickup Request Form".

DEFINITIONS

Radioactive material - material determined to be radioactive using the criteria of Fermilab Radiological Control Manual (FRCM).

Radioactive waste - any radioactive material for which there is no current or probable future use.

Mixed waste - radioactive waste that contains material classified as hazardous or dangerous according to state and federal laws and regulations.

Approved containers - Radioactive waste disposal containers of various types purchased by the ES&H Section Environmental Protection Group and supplied upon request to other Divisions and Sections.

REFERENCES

- Fermilab Radiological Control Manual
- Fermilab Low Level Waste Certification Program (LLWCP)

RESPONSIBILITIES

1. All personnel within the Particle Physics Division shall comply with the Fermilab LLWCP.
2. PPD personnel generating radioactive waste are responsible for promptly informing the PPD ES&H Group that waste material exists.
3. The PPD ES&H Group is responsible for collecting, storing, preparing, and coordinating the transfer of radioactive waste to the ES&H Section.
4. PPD Task Managers and Construction Coordinators are responsible for assuring that T&M and fixed price contractors are informed, trained, and comply with this radioactive waste program.

GENERAL REQUIREMENTS

1. Radioactive waste must be stored in specially designated 55 gallon drums, 30 gallon drums, polyethylene bags, or other containers approved by the PPD Radiation Safety Officer (RSO). These storage containers are available from the ES&H Section Environmental Protection Group.
2. Radioactive waste shall not be stored or transported in containers used for normal trash, including dumpsters.
3. People who control access to temporary radioactive waste containers at D0 and CDF are responsible for assuring proper storage techniques. People should contact the PPD Radiological Control Technician (RCT) if they are unsure about the disposal location for a particular area.
4. The PPD RCT shall characterize, document, and coordinate the disposal of radioactive waste in PPD in accordance with the Fermilab LLWCP.
5. Waste shall be transported to locations designated by the PPD RSO or PPD RCT as radioactive waste storage areas.
6. On-site transfers of radioactive waste must be performed using government vehicles. Radioactive waste generated off-site shall not be accepted.