PARTICLE PHYSICS DIVISION OPERATING MANUAL REVIEW AND APPROVAL RECORD

RADIOACTIVE WASTE PROGRAM

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RADIOACTIVE WASTE PROGRAM

INTRODUCTION

This document summarizes the Particle Physics Division program for the handling and disposal of radioactive waste. It lists the responsibilities and requirements that are intended to: minimize generation of radioactive waste, ensure proper segregation of waste types and ensure compliance with applicable regulations. The program in its entirety is described in the Fermilab Low Level Waste Certification Program.

The key elements in achieving a successful program are:

- 1. proper waste characterization, and
- 2. the consistent use of the "Radioactive Waste Certification and Pickup Request Form" and "Hazardous/Radioactive Mixed Waste Certification and Pickup Request Form".

DEFINITIONS

<u>Radioactive material</u> - 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.

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

<u>Approved containers</u> - 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

- All personnel within the Particle Physics Division shall comply with the Fermilab LLWCP.
- PPD personnel generating radioactive waste must be properly trained and are responsible for promptly informing the PPD ES&H Group of waste material generation.
- 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 outside 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. Workers controlling access to temporary radioactive waste containers at D0 and CDF are responsible for assuring proper storage techniques. Those workers should contact the PPD Radiological Control Technician (RCT) if they are unsure about such techniques or the disposal location for a particular area.
- 4. The PPD RCT shall characterize, document, and coordinate the disposal of radioactive waste within PPD in accordance with the Fermilab LLWCP.
- 5. Waste shall be transported to radioactive waste storage areas designated by the PPD RSO or PPD RCT.
- 6. On-site transfers of radioactive waste shall be performed using government vehicles. Radioactive waste generated off-site shall not be accepted.

Revision History

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