

## FACILITY DECONTAMINATION AND DECOMMISSIONING

### I INTRODUCTION

This chapter designates the responsibilities for establishing and maintaining the decontamination and decommissioning documentation (D&D) of the Laboratory. The purpose of D&D documentation is to provide adequate safeguards against injury or illness for employees, sub-contractors and the public or damage to the environment at such future time that facilities are demolished.

### II RESPONSIBILITIES

(a) The ES&H Section shall:

- maintain a permanent, facility-specific file designated the "Decontamination and Decommissioning File" (D&D File).
- maintain and update as needed, but at least annually, the list of facilities containing radioactive materials with input from the divisions/ sections/ centers<sup>1</sup>.

(b) The Facilities Engineering Services Section shall:

- be the repository for all civil construction drawings.
- maintain available archival drawings of all structures and underground enclosures after their removal, modification or abandonment.

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<sup>1</sup> See Chapter 2 of the Fermilab Radiological Control Manual [FRCM]  
*Fermilab ES&H Manual*

(c) Divisions/ sections/ centers shall:

- be responsible for the identification of any hazardous materials, other chemicals, and radioactivity in their facilities that is not removable and communicate the information to the head of the ES&H Section to be incorporated into D&D documentation.<sup>2</sup>
- ensure that information regarding non-removable radioactivity and chemical hazards is transmitted to the ES&H Section prior to D&D activity. Means for accomplishing this will include, but not be limited to, regular environmental reviews, Radiological Facility Use reports, and activity-specific communications. Examples of chemicals that should be included in reports to ES&H for D&D filing are found in FESHM Chapter 5052. All substances regulated under state or federal regulations should also be included. Radiation contamination limits may be found in Table 2-2 in Chapter 2 of the FRCM.
- D&D efforts, especially major D&D projects may require that a risk assignment process be followed to assure adequate allocation of resources and enhance the effectiveness of decision-making. Such risk assignments should be carried out using the methodology of FESHM 1040.3 unless superseded by requirements otherwise specified.

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<sup>2</sup> In July, 2000, DOE imposed a suspension on the recycling of metals located in Radiological or Radioactive Materials Areas as of that date. **Such metals may not be recycled.** The division/section/center RSO or the ES&H Section should be consulted concerning special procedures instituted to meet the requirements of this suspension.