

SECTION 7

REMEDIATION

7.1 PURPOSE. The Remediation Control Survey guides the cleanup in real-time; it also assures that remediation workers, the public and the environment are adequately protected against exposures to radiation and radioactive materials arising from the decontamination activities.

7.2 DECONTAMINATION GOALS. Each building/room must be characterized with regard to its specific isotopes of interest and mode of decay (e.g. alpha, beta or gamma), using 1m x 1m grids as opposed to the 3m x 3m grids. The degree of decontamination will depend highly on extent and nature of contamination.

7.2.1 Small Scale Removable Contamination

7.2.1.1 Building or Fixed Structure. Small scale removable contamination will be remediated to meet the NRC and the State of California standards for release as an unrestricted area, using soap and water or an equivalent agent that will remove the contamination (e.g. EDTA solution). The decontamination procedure should be performed by cleaning the area of least contamination and moving toward the area of greater contamination. Frequent surveys of surfaces will be performed during the decontamination process to assess its effectiveness.

7.2.1.2 Surrounding Soils. Remediation of surrounding soil will be addressed in a separate decontamination plan, if required.

7.2.2 Large Scale Removable Contamination. Remediation of large scale removable contamination will be addressed in a separate decontamination plan, if required.

7.2.3 Fixed Contamination. Remediation of fixed contamination will be addressed in a separate decontamination plan, if required.

7.3 PERSONNEL PROTECTIVE EQUIPMENT. At a minimum, personnel will wear overgarments, gloves and protective shoe coverings during decontamination procedure. Respirators or other specialized protective equipment may be needed depending on the extent and type of hazard associated with the contaminant.

7.4 INSTRUMENTATION. Instruments that are utilized should be able to detect isotope of interest in quantities 75% below the establish regulatory release limits.

7.5 WASTE MANAGEMENT. Waste generated during cleanup procedures should be kept to a minimum and collected in appropriate container. The generated waste will be disposed of by the U.S. Army Materiel Command IAW current NRC, State and Federal guidelines.