

For radiological control purposes, the main enclosure work area will be posted as a High Contamination Area (HCA) The vestibule will be posted as a Contamination Area (CA) and the area outside the vestibule as a Radiological Buffer Area (RBA) Work within the enclosure HCA and CA will be performed in Level B protective equipment, or as designated in the existing Trench 1 HASP (RMRS, 1998b) RFETS Radiological Control Technicians and RFETS trade personnel will construct the enclosure The enclosure will be inspected by a Radiological Control Technician Technical Supervisor when completed, prior to use

3.3 Container and Material Removal

This section describes the approach for excavating any container or other material identified for removal through the geophysical survey investigation A step-by-step description for removal and management of the container is presented in Appendix C

3.3.1 Container Removal

Excavation of the two- to five-gallon metal container will be performed manually using hand shovels A standard metal detector may be utilized during the course of excavation to guide the digging Initially, manual excavation will proceed from the top of the container to remove only enough soil to expose the container lid and vertical surface immediately below the lid Once this upper portion of the container is exposed, and prior to removing from the excavation side-wall, it will be pierced to vent potential hydrogen gas accumulation within the container Venting will be performed manually utilizing a small punch made of non-sparking material attached to an 8 to 10-foot length of pipe From a safe distance (approximately 10 feet) the non-sparking punch will be positioned on the exposed vertical surface of the container beneath the rim of the container lid to make a small hole by tapping with a hammer

After venting, the container will be heat-tested using a hand-held infrared thermometer to measure the temperature of the container contents and detect potential temperature increase resulting from oxidation of pyrophoric material Appropriate fire control and fire suppression agents will be located within the enclosure immediately adjacent to the work area and will be used on the container if the heat test is positive Procedures for performing the heat test and actions to be taken if elevated temperatures are

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