

NUCLEAR WASTE MANAGEMENT PROGRAM

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Subject:

HANDLING, SHIPPING, AND STORAGE

Approved:

FEB 10 1989

Approved by: *R. S. Sallow* 12/20/88 Date
Yucca Mountain Project Leader

Approved by: *R. C. E. Schantz* 12/15/88 Date
Quality Assurance Manager

1.0 GENERAL REQUIREMENTS

Measures are established to control the packaging, handling, storage, shipping, cleaning, and preservation of material and equipment to prevent damage, loss, or deterioration. Handling, storage, and shipping of items is conducted in accordance with established work and inspection instructions, drawings, specifications, shipment instructions, or other pertinent documents or procedures specified for use in conducting the activity. Specific requirements are listed below.

1.1 SPECIAL EQUIPMENT AND PROTECTIVE ENVIRONMENTS

When required for particular items, special equipment (e.g., containers, shock absorbers, and accelerometers) and special protective environments (e.g., an inert gas atmosphere, specific moisture content levels, and temperature levels) are specified and provided, and their existence verified.

1.2 SPECIFIC PROCEDURES.

When required for critical, sensitive, perishable, or exceptionally expensive articles, specific procedures for handling, storage, packaging, shipping, and preservation are used.

1.3 INSPECTION AND TESTING OR SPECIAL TOOLS AND EQUIPMENT

Special handling tools and equipment are utilized and controlled as necessary to assure safe and adequate handling. Special handling tools and equipment are inspected and tested in accordance with procedures and at specified time intervals to verify that the tools and equipment are maintained adequately.

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1.4 OPERATORS OF SPECIAL EQUIPMENT

Operators of special handling and lifting equipment are experienced or trained to use the equipment.

1.5 MARKING AND LABELING

Instructions for marking and labeling for packaging, shipment, handling, and storage of items are established as necessary to adequately identify, maintain, and preserve the item, including indication of the presence of special environments or the need for special controls.