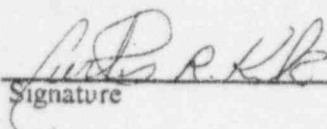
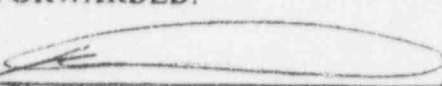



# ENVIROCARE OF UTAH, INC. OPERATING PROCEDURES MANUAL

PROCEDURE:	<u>BPW-6 11e.(2) Waste Interim Storage</u>	
REVISION NUMBER:	<u>4</u>	
AFFECTED PAGES:		
PURPOSE:	<u>Incorporate changes from the CAP and annual review</u>	
SUBMITTED BY:	<u>CURTIS KIRK</u>	
 Signature		Date <u>12-9-96</u>
FORWARDED:		
 Site Manager	<u>ACTING</u>	Date <u>12-16-96</u>
Site Radiation Safety Officer		Date
Quality Assurance Officer		Date
CONCURRENCE:		
<u>N/A</u> 		Date <u>12/9/96</u>
REVIEW:		
Corporate Radiation Safety Officer		Date
APPROVAL:		
Project Manager/Operations Director		Date

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REV: 4  
Date: 12/10/96

Page: 1

**BPW-6 11e.(2) WASTE INTERIM STORAGE**

A. **PURPOSE:** This procedure~~to~~ provides guidelines for the storage, inspection and handling of bulk and containerized waste that is not placed directly into the 11e.(2) disposal embankment upon acceptance.

B. **REFERENCES OR AUTHORITY:**

1. 11e.(2) Radioactive Material License SMC-1559, ~~dated 11/19/93~~, as amended;
2. Application for 11e.(2) Radioactive Material License SMC-1559, ~~dated 12/23/91~~, as amended;
3. Ground Water Quality Discharge Permit #UGW450005 ~~dated 9/10/93~~, as amended;
4. Envirocare of Utah, Inc. Construction QA/QC Manual, as revised;
5. Waste Management Plan, as revised;
6. Envirocare of Utah, Inc. Operating Procedures Manual, as revised.

C. **PRECAUTIONS AND LIMITATIONS:**

1. Within 48 hours of waste being unloaded at the Truck Unloading Facility, waste must be moved to the 11e.(2) Disposal Cell. Waste which does not meet waste acceptance criteria may remain in the Truck Unloading Facility until the problem is resolved.
2. Bulk waste at the Rail Car Rollover Facility must be taken to the 11e.(2) Disposal Cell as soon as possible or within 24 hours after the most recent rail car or shipment has been unloaded.
3. Any container discovered to be leaking must be either: contained in an overpack drum; placed into approved bulk storage; or properly disposed of in the embankment.
4. A polymer solution will be sprayed on all bulk waste material stored in the 11e.(2) Disposal Cell Area in accordance with reference 5.
5. Whenever average wind velocities exceed 40 miles per hour, or upon notice from the Site Manager, Field or Corporate Radiation Safety Officer, all loading, hauling, and dumping of bulk wastes will cease.

D. **GENERAL INSTRUCTIONS:**

1. This procedure applies to all 11e.(2) waste accepted by Envirocare but not immediately disposed of in the 11e.(2) disposal cell.
2. After a shipment is accepted, it will be managed as either bulk waste or waste in containers.
  - a. For all Bulk Waste Material placed in storage:

**BPW-6 11e.(2) WASTE INTERIM STORAGE**

- 1) The following types of bulk shipments may be received:
    - ~~\_\_\_\_\_ Gondola Rail Cars;~~
    - ~~\_\_\_\_\_ Dump Truck Loads;~~
    - ~~\_\_\_\_\_ Intermodals;~~
    - ~~\_\_\_\_\_ End Dumps.~~
  - 2) All bulk shipments should have the proper labeling and marking as required by the U.S. Department of Transportation (DOT).
  - 23) Bulk waste may be unloaded directly into the 11e.(2) Disposal Cell or at the Rail Car Rollover Facility
  - 34) Before any 11e.(2) bulk waste material is unloaded at the Rail Car Rollover Facility, the facility must be cleaned of all LARW waste material using loaders, brooms, shovels or other appropriate means until the residue of LARW material has been removed from the surface of the facility, as determined by a qualified ~~Radiation Technician~~ Health Physics Specialist.
  - 45) Bulk waste unloaded at the Rail Car Rollover Facility may only be managed one generator at a time.
  - 56) Bulk waste may be stored in the 11e.(2) disposal cells as Winter Storage during winter months (between November 1 and March 1) in accordance with reference 4.
  - 67) Bulk shipments may not be unloaded at the LARW Truck Unloading Facility.
- b. For all Containerized Waste placed in storage:
- 1) The following types of strong, tight, DOT-approved containers may be received or used to containerize bulk waste:
    - 96 cubic foot B-25 boxes;
    - 48 cubic foot B-12 boxes;
    - 50- and 55-gallon drums;
    - Various sizes of polyethylene bags;
    - Seavans;
    - Other containers approved by the U.S. DOT.
  - 2) All containers must arrive at the site in good condition and must have the proper labeling and marking as required by the U.S. DOT.

**BPW-6 11e.(2) WASTE INTERIM STORAGE**

- 3) Containers may be unloaded in the 11e.(2) Disposal Cell, at the LARW Bulk Transfer or Container Storage Pads for transfer, or onto the LARW Truck Unloading Facility.
- 4) Before any containerized waste material is unloaded ~~or stored~~ at any of the facilities listed in D.2.b.3 above, the facility surface will be cleaned of all LARW waste material (bulk or containerized) using loaders, brooms, shovels or other appropriate means until the residue of LARW material has been removed ~~from the surface of the facility~~, as determined by a qualified Health Physics Specialist Radiation Technician.
- 5) Containers will be ~~move~~ transferred on the LARW Container Storage Pad by means of forklift, dump trucks, flatbed trailers, or other such vehicles. Rock trucks or other heavy equipment that will damage the surface of the Storage Pad will not be allowed on the LARW Container Storage Pad.
- 6) Waste containers will be transported only when it has been assured that the lid or cover is secured and the container in a closed condition.
- 7) Containers will be transported as close to the ground as practical to minimize falling distance in case of an accident. Whenever a container is moved, transportation shall be done in a manner to prevent rupture of the container or release of waste material inside.

3. All waste material stored within the Restricted Area for more than 24 hours shall be identified by identification signs. ID signs must indicate the generator of the waste, the waste stream and the date the waste was stored. If the waste is containerized, the information for identification may be written directly on the container.

4. ~~Monthly inspection shall include visual observation of the integrity of the containers and packages in storage.~~ Storage of 11e.(2) waste at the facility shall be explicitly limited to unexcavated areas within the confines of the 11e.(2) disposal cell. Said disposal shall be over areas of native grade and consist of clays which have been scarified and compacted in compliance with the 11e.(2) Construction Quality Assurance/Quality Control Plan.

5. Written record of all storage area inspections shall be maintained on site for a minimum of three years.

6. Any wastes from shipments identified as Radiation Areas as defined in reference 6, BPW-3 Precaution C.3, which are to be placed in storage for longer than 10 days must be covered with an additional six inches of lower activity waste or clean fill material as soon as practical to reduce radiation exposures, re-suspension of particulate materials, and thoron emissions.

**BPW-6 11e.(2) WASTE INTERIM STORAGE****E. OPERATING INSTRUCTIONS:**

1. Once an incoming shipment has been accepted, sampled and determined to be unloaded into one of the storage facilities, a ~~Radiation Technician~~ Health Physics Specialist (or designated alternate), or the Contractor's foreman (or designated alternate) shall document on ~~the~~ Form EC-18 the storage area where the shipment is stored.

2. After the shipment is unloaded in the appropriate area, it shall be marked with an identification sign as described in D.3 above.

3. ~~Monthly,~~ Each shipment in storage (or group of shipments if they are bulk material) will then be inspected monthly until it is placed in the appropriate 11e.(2) Disposal Cell. The inspection will be documented on form EC-1200 and kept on file at the Site.

**F. QUALITY CONTROL:**

1. QC Process Control-Checks: The South Clive Site Health Physics Department conducts daily inspections of the LARW Container Storage Pad, the Rail Car Rollover Unloading Facility, and the Truck Unloading Facility to ensure ~~the~~ reference 5 requirements are met.

2. Data Control: An inspection of all storage facilities will be performed and documented ~~of all storage facilities~~ each month.

3. Sampling Control: None.

4. Audit Requirements: Semi-annually, the Quality Assurance Officer ~~Department~~ will coordinate a comprehensive review of the filed shipment records and the monthly waste storage areas inspections to ensure a complete record exists.