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WASTE ACCEPTANCE CRITERIA

PACKAGING OF RADIOACTIVE WASTE

EMC has printed instructions for packaging of various waste streams. These packaging instructions are considered a part of this Waste Acceptance Criteria document and are attached hereto.

SHIPPING PAPERWORK

- All radioactive waste sent to Environmental Management and Control's (EMC) Turlock Processing Facility must be thoroughly described in regard to physical description, radiological description, chemical description and physical state. Shipping paperwork needs to be very legible especially on any handwritten documents and faxed copies.
- Each container must be properly packaged in closed containers meeting U.S Department of Transportation (DOT) regulations.
- All waste must be classified in accordance with 10 CFR 61.55 and 61.56.
- All generators must be identified.
- All containers must have a package identification number (PIN) that is unique to the manifest.
- All required permits must be in place, i.e., South Carolina Transport permit, Washington Site User Permit, Export Permits and if going to US Ecology a customer generator number prior to arrival at EMC.
- Prior approval must be given each shipment before arrival at EMC.
- All shipments must be acceptable under EMC's Radioactive Material License No. 3546-50

HEALTH AND SAFETY

- All wastes must be compatible within a container.
- Hazardous (RCRA) wastes cannot be processed at EMC. They can be trans-shipped to a licensed TSD processor with prior arrangements.

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- Radiation levels must comply with DOT.
- Contamination levels must comply with DOT.
- Containers exceeding a surface dose rate of 200 mR/hr must have prior approval.

TRANSURANIC MATERIALS (TRU)

TRU and Radium must be clearly identified and must not exceed Class A limits of Table I of 10 CFR 61.55. It is important for EMC to know the quantities of these materials because the packages may be opened and precautions must be in place and proper procedures implemented when handling alpha wastes.

ANIMAL CARCASSES

EMC does not process animal carcasses. Animal carcasses from the Rocky Mountain and Northwest Compacts can be received at EMC in single drums and do not have to be overpacked. However, absorbent and lime must still be used as specified in the EMC Packaging Animal Carcasses instructions.

Animal carcasses packaged for direct disposal in accordance with Barnwell's Waste Acceptance Criteria can be sent to EMC and will be transhipped to the Barnwell site for final disposal.

Biological wastes (animal bedding, animal parts, tissue, urine, feces, etc.) require the same packaging as animal carcasses.

Note: Animal carcasses are not acceptable at Energy Solutions.

SEALED SOURCES

EMC is licensed to receive, encapsulate, process and dispose of radioactive sealed sources. All sealed sources are handled on a case by case basis and will be evaluated when information specific to sealed sources is received from the generator or broker.

Sealed sources from the Rocky Mountain and Northwest Compacts are normally sent to the US Ecology site at Richland, WA. EMC can "deface" sealed sources and dispose of them at Energy Solutions if they are <100 uCi each, excluding TRU. There is no disposal options for the SW compact of sources >100 uCi at this time.