DOCUMENT REVISION STATUS

ISSUE	DESCRIPTION OF CHANGE	DATE	ECN #
1	ORIGINAL RELEASE	8/88	N/A
A	REFORMATTED TO MEET CURRENT HNE PROCESS PROCEDURE GUIDELINES. NUMEROUS CONTENT CHANGES. SEE ECN.	1/31/07	14538

APPROVALS

APPROVED: PROCESS ENGINEERING: _____ DATE: 2/2/07

APPROVED: ENGINEERING MANAGER: _____ DATE: 2/2/07

APPROVED: MANUFACTURING MANAGER: _____ DATE: 2/2/07

APPROVED: QUALITY ASSURANCE MANAGER: _____ DATE: 2/2/07

1.0 PURPOSE:

The following procedure is to be used in safely disposing of Radioactive (RA) material and waste.

2.0 PROCEDURE:

2.1 Waste generated from cleaning of RA areas (decontamination process) dry solids, i.e. paper towels, booties and gloves must be deposited in trash compactor located in RA restricted areas.

2.1.1 Compact contaminated paper waste. When compactor becomes full, remove bag with contents and seal. Put bag in large plastic liner.

2.1.2 Seal plastic liner, wipe test exterior of plastic liner for contamination. Remove waste from restricted area and deposit into designated drums in RA waste room.

NOTE: Exercise extreme caution not to contaminate exterior of sealed liner. Periodic wipe tests are performed on drums by authorized RA personnel to insure that no external contamination is present. Wipe tests are to be performed upon sealing the drum.

2.1.3 Place waste label on liner. Record all material that is discarded into container. Include type of RA material, activity level and amount of material being discarded. Number drum, place label on drum and include type of RA material, activity level and amount being discarded, date and initial.

2.2 Scrap/Reject product (device) containing RA material (long lived, dry/solid)

2.2.1 Seal device in an appropriate plastic bag.

2.2.2 Label bag, add serial number, part number, isotope, activity level of device and initial.

2.2.3 Log serial number, part number, isotope and activity level of device in log book.

2.2.4 Place sealed unit in steel drum.

2.2.5 Number drum, place label on drum and include type of RA material, activity level, amount of material being discarded, date and initial.

NOTE: Exercise extreme caution not to contaminate exterior of drum. Periodic wipe tests are performed on drums by authorized RA personnel to assure that no external contamination is present. Wipe tests are to be performed upon sealing the drum.

3.0 LIQUID SCINTILLATION VIALS (LSV):

a.) Liquid Scintillation Vials are to be separated into two groups:

1.) Those that have DPM levels lower than twice background.
2.) Those that have DPM levels twice background or above.

3.0 LIQUID SCINTILLATION VIALS (LSV) (cont.):

b.) LSV that have levels below twice background can be emptied into a storage container. The actual plastic vial may be discarded as regular trash. The liquid scintillation fluid accumulated must be tested for DPM levels before being disposed of by a licensed hazard waste collection company.

c.) LSV that have levels above twice background must be placed in a sealed container labeled with the date, DPM level, isotope and initialed. Material must be held for approval before disposal by an authorized/qualified RA material disposal contractor.

4.0 NON-REMOVABLE EQUIPMENT REPAIR WASTE:

4.1 Seal device in an appropriate plastic bag.

4.2 Label bag with isotope, activity level of part and initial.

4.3 Log serial number, description, isotope and activity level of part in log book.

4.4 Place part in drum.

4.5 Number drum and place label on drum indicating type of RA material, activity level of RA material and amount of RA material being discarded. Date and initial label.

NOTE: Exercise extreme caution not to contaminate exterior of drum. Periodic wipe tests are performed on drums by authorized RA personnel to assure that no external contamination is present. Wipe tests are to be performed upon sealing the drum.

5.0 WASTE NOT BEING DISPOSED OF IMMEDIATELY:

Waste that has been approved for disposal will be disposed of by contacting an authorized/qualified RA material disposal contractor for the removal of radioactive waste. Waste not being disposed of will remain in a secure waste room until a final determination is made.

Containers will be identified by ID numbers. These are different on each container. Accurate records must be kept for activity, amount and type of material in each container. When container is full it must be closed and sealed. Mark the month, day and year on the top.