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C-A OPERATIONS PROCEDURES MANUAL

8.22 Procedure for Handling and Disposal of Non-Hazardous and Recyclable Solid Waste

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Hand Processed Changes

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Approved: _____ *Signature on File* _____
Collider-Accelerator Department Chairman Date

J. Scott

8.22 Procedure for Handling and Disposal of Non-Hazardous and Recyclable Solid Waste

1. Purpose

This procedure provides instructions to all C-A employees for the safe handling and disposal of materials that are non-radioactive, non-hazardous, recyclable, and non-recyclable solid waste.

2. Responsibilities

2.1 Each supervisor is responsible to ensure that employees under his/her purview handle, accumulate, or dispose of, non-hazardous waste appropriately, and ensure that they have appropriate training.

2.2 Each employee shall minimize the amount of waste they generate and appropriately dispose of any waste by:

- substituting recyclable products where possible,
- minimizing quantities of materials during the job,
- segregating different wastes to allow for reclamation,
- eliminating aerosol can use whenever possible.

2.3 The C-A Environmental Coordinator (X 7520) will answer questions related to recycling. There are two databases with good information to manage wastes:

- [Plant Engineering Recycling Program](#),
- [Waste Management "How Do I Manage This Waste?"](#)

3. Prerequisites

3.1 All C-A employees and supervisors, and all custodians assigned to the C-A, shall familiarize themselves with the contents of this procedure.

4. Precautions

4.1 This procedure covers non-radioactive, non-hazardous solid wastes only.

4.2 Items removed from a radiologically-posted area shall be checked radioactively clean by a certified Radiation Control Technician (RCT).

4.3 Metals from radiologically-posted areas fall into two categories for disposal.

- 4.3.1 Any metals from a contamination area, high contamination area, buffer area, airborne contamination area, or radioactive material storage area with dispersables, is suspect metal. An RCT will check metal as clean and it will be sent to Plant Engineering suspect metals yard.
- 4.3.2 Metals with only activation or volumetric radioactivity are checked by an RCT, and if clean, go to clean metals yard for recycling.

5. **Procedures**

5.1 General requirements

Separate all non-hazardous wastes into appropriate classes. Their disposal requires the cooperation of all personnel in the C-A Department to assure that disposal and recycling can be accomplished in accordance with BNL policy.

5.2 Paper

Place waste paper in the appropriate containers, which are located in each area, or in large metal cans in hall. The custodians will dispose of this material.

5.3 Normal Trash

Place normal trash, including waste foodstuffs, in waste baskets. Place putrecible (food wastes) in the luncheon or bathroom waste containers, which are emptied daily.

5.3.1 Trash will be collected by the custodians and placed in dumpsters.

Site Maintenance will move the dumpsters to a low radiation background area.

Radiological Control Technician (RCT) will confirm that no radioactive material is present.

Trash will be removed and Site Maintenance will return the dumpsters to their assigned location.

5.3.2 Place trash into plastic bags whenever possible

5.3.3 DO NOT leave any trash along side or on top of a dumpster.

5.3.4 Place rinsed recyclable cans, bottles, and plastic containers that have the appropriate disposal symbol on their bottoms into the yellow containers located near each kitchen and lunchroom.

5.4 Shipping Materials

Break cardboard containers down and lay flat for custodial disposal.

5.4.1 Take large amounts of cardboard containers to the BNL cardboard compactor located near Bldg. 650.

5.4.2 Place plastic "peanut" type material into clear plastic bags and return to shipping, or Bldg. 918 supply area, for reuse.

5.4.3 Place solid foam packing materials into the trash to be picked up by the custodians who will place it into the dumpster.

5.5 Construction Materials

Keep boards, nails and other construction materials separate from other wastes. Place these materials at the central C-A location for pick up by Site Maintenance. Consult the building custodian for the current location of this bin.

5.6 Other Material

Note:

For metals, follow precaution 4.3 on where to send metal.

Store wire, micarta, and scrap metals in separate containers at a central C-A location so they can be recycled. Site Maintenance will pick up these materials.

Note:

Collection areas for spray cans will be designated by the Building Manager.

5.7 Recycling of Aerosol Spray Cans to Plant Engineering.

5.7.1 Every effort should be made to empty can completely prior to disposal. A can is considered empty if it has no pressure in it and negligible liquid.

- 5.7.2 Collect empty cans for recycling by C-AD in a white container in your area.
- 5.7.3 When bags are full, contact Environmental Coordinator, ext. 7520 or beeper 4234, or Waste Technician, ext. 7182, cell 1-516-924-4303.
- 5.7.4 Cans will be taken to Bldg. 912 Satellite Area and crushed in can crusher, as per [C-A-OPM 8.20.3](#). Crushed cans can be thrown in metals recycling bins.

6. Documentation

None

7. References

None

8. Attachments

None