

APPENDIX 4-A

STORAGE OF BERYL ORE

1. *Description.* Beryl ore will normally be received in the form of hand-sorted ores, an opalescent material which may be blue, green, yellow, brown, or colorless. In rare instances, it may be pink. As received for storage, the material will range in size from granular to large lumps.
2. *Packaging.* Hand-sorted ores will be received for storage either in bulk or in containers standard with the supplier, normally burlap bags, weighing approximately 110 to 140 pounds each. All containers in a lot will be of the same nominal size and shape.
3. *Marking.*
 - a. Prior to receipt, each container will be marked with the following information:

Name of Product
Name of Producer
Country of Origin
BeO% (Supplier's Analysis)
Gross and Net Weights
Government Contract Number
Lot Number

Each bag or container shall have the above information marked on the containers or on an appropriate linen tag securely attached to the container.

- b. Identification of material shall be obtained from information shown on documents accompanying each shipment and on shipping instructions issued by DNSC. The DNSC-O shall be notified immediately if shipments are received prior to receipt of identifying documents, if shipments are received without identifying marks, or if the markings are not in agreement with those shown on the document and/or shipping instructions.

4. *Storage*

- a. Hand-sorted ores received in bulk or bags shall be stored on open, improved space equivalent to Type D (concrete). When received the material in each shipment lot is to be segregated in temporary storage until the DNSC-O advises the depot of the BeO content and permanent storage pile number. A separate pile will be established for each 1 percent range of BeO content (e.g., 10.00 to 10.99%, 11.00 to 11.99%, etc.). It is not necessary to empty material from bags, as bag fragments will not contaminate the material or affect its end use.
 - b. In laying out the storage area, the piles shall be located so that a 25 foot clearance will be maintained between the toes of finished piles of beryl and other dissimilar bulk material. However, a minimum clearance of 5 feet is required between individual piles of beryl. All piles shall be laid out so as to be readily accessible for outloading.

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c. All piles shall be identified by appropriate signs. Temporary signs shall be provided by the storage facility, showing name of material and pile number. When piles are completed, the Directorate of Stockpile Operations will furnish permanent signs showing name of material, pile number, and BeO content.

5. *Precautions To Be Taken*

a. *Health.* None

b. *General.*

(1) Because of the importance of segregation according to BeO content, extreme care must be exercised to prevent mixing of piles of hand-sorted ores.

6. *Average Storage Factor.*

a. Volume: Hand-sorted Ores	20 cubic feet per short ton
b. National average square foot occupancy: Hand-sorted Ores	4.8 gross square feet per short ton

FOR ADDITIONAL INFORMATION ON THIS COMMODITY REFER TO THE MATERIAL SAFETY DATA SHEET OR THE MOST RECENT PURCHASE SPECIFICATION.