

## APPENDIX 4-A

## STORAGE OF CELESTITE

1. *Description.* Celestite (a mineral of strontium) is a coarsely crystalline material which varies in color. Depending on its origin, it may range in color from a pearly white substance with a faint tinge of blue, yellow, green or red, or it could bear a color resembling that of pale cocoa. When acquired, celestite shall meet Purchase Specification P-10-R3 (Current Edition).

2. *Packaging.* All celestite will be received in bulk.

3. *Marking.* Identification of material will be obtained from information shown on shipping documents. The DNSC-OL shall be contacted for further instructions if shipments are received prior to receipt of identifying documents, or if type or form is different from that shown on shipping documents.

4. *Storage*

a. Lots containing 25 percent material smaller than 1/2 inch in size will be classified as fines; all other lots will be classified as lump.

b. Celestite in lump form shall be stored in the open on a well drained, improved area (black top or concrete), equivalent to Type C or D, as described in Chapter 4 of the manual.

c. Celestite in the form of fines shall be stored in trenches prepared in accordance with National Stockpile Container Specification C-7. Fines shall be covered with tarpaulins (furnished by the DNSC-OL), until piles are completed. Following this, the DNSC-OL will establish projects to provide permanent covering in accordance with National Stockpile Container Specification C-7, in order to prevent contamination and losses by wind and rain.

d. Celestite shall be segregated by form and by country of origin.

e. 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 DNSC-OL will furnish permanent signs showing name of material, pile number and the strontium sulfate, calcium sulfate and barium sulfate percentages.

5. *Precautions To Be Taken*

a. *General.* Precautions must be taken to protect the material in fine form from contamination and from losses caused by wind and rain.

b. *Health.* Dust should be minimized during receipt and/or outloading..

6. *Average Storage Factor.* 18 cubic feet per short ton.

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