

## STORAGE AND FINAL DISPOSAL OF GARBAGE AND OTHER DEBRIS

### (1) Storage of Debris in a Controlled Manner in a Designated Portion of the Permit Area

Garbage and other debris is collected and shipped off-site to a permitted municipal landfill. Historically SCC operated a Solid Waste Disposal Area (SWDA) which was previously permitted (Permit No.131) by the MDHES's Solid Waste Management Bureau dated August 13, 1979; it was closed in 2015 and converted to a staging facility for Class II waste accumulation containers and Group III wastes to be transported to the in-pit spoil dump. This permit authorized and defined the operation of a Class II landfill disposal site. While in operation, this site only collected Class II and III wastes which does not include septic tank pumping or other semi-liquid wastes. Although the permit was relinquished because of permitting fees (10/18/91), SCC still maintained compliance with Class II and III permit requirements and the facility operations were overseen by MDEQ-IEMB until its closure.

### (1)(a) Prevention of Water Degradation, Fire Prevention and Suitability For Reclamation

The re-graded and closed SWDA is located in an area which precludes surface and groundwater degradation (see Plate 8), minimizes the possibility of fire, and is stable and suitable for reclamation compatible with the surrounding area. The site is located in a topographically high position, and was lined with clay material prior to storage or placement of waste. Only solid, non-hazardous material was placed in the SWDA for disposal. Liquid and/or hazardous wastes were stored in this area only until offsite shipments were made in accordance with applicable regulations for waste management. The closed surface of the SWDA is sloped in a manner to drain water to surrounding drainage ditches, minimizing the chance for contacting covered waste materials.

### (1)(b) Compaction of Disposal Sites and Placement of Suitable Earth Materials

Cover material was used to fill the SWDA to a level adequate to cover the existing waste and to allow for the location of a transfer and staging location.. Final site abandonment plans include: contouring the re-graded surface for features to meet PMT, applying topsoil in two separate lifts of A and B, and seeding using approved seed mixes.

The existing SWDA was expected to have a useful life for the duration of mining operations; however in 2015 it was backfilled to abate future monitoring needs. Final reclamation will occur during the complete facilities reclamation stage of mine closure or when the use of a transfer site is no longer required..

(2) Suitable Locations for Debris Disposal

Garbage or other debris is never located within 8 ft. of any outcrop or coal storage area. The closed SWDA is located in a remote area away from outcrops or coal storage areas. SCC modified (minor revision 07-12-10 dated July 14, 1988) the approved reclamation plan to include disposal of items (known as Class III wastes) such as used tires, concrete with rebar cut off, and non-greasy wood/steel/aluminum products in spoils of the pit area with the following stipulations:

The waste shall be placed at a stratigraphic level above the projected post-mining spoils water table (approximately 50 ft. in Pit 1 and approximately 80 ft. in Pit 2);

The waste shall be disposed of at least 8 ft. below the final post-mining land surface;

The waste shall be spread as thinly as possible to minimize future settling and resultant subsidence of the ground surface;

All mine personnel who will be actively involved in the placement of this waste (e.g. utility or maintenance personnel) shall receive a copy of these stipulations, and be informed of the correct procedures to ensure compliance.

(3) Deposition of Municipal Garbage

SCCC does not provide for disposal of municipal garbage within the mine permit area.

(4) Handling of Debris Defined as Hazardous

Storage and final disposal of waste materials meeting the definition of hazardous as defined in Section 3001 of P.L. 94-580, as amended, will be handled in accordance with PL 94-580 and regulations adopted thereunder. SCC currently holds MDEQ Hazardous Waste Permit Number MTD-980957369.