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# TECHNICAL MEMORANDUM

## Utah Coal Regulatory Program

March 23, 2012

**TO:** Internal File

**THRU:** April Abate, Team Lead *COO 3/27/2012 gcc*

**FROM:** Priscilla Burton, Soils Reclamation Specialist *PWB by BQS*

**RE:** Midterm Permit Review Response, Savage Industries Inc., Savage Coal Terminal ACT/007/022, Task ID #4050

**SUMMARY:**

Appendix 5-1 has been updated and provides current information, as requested. The application is recommended for approval

**TECHNICAL ANALYSIS:**

### SPOIL AND WASTE MATERIALS

Regulatory Reference: 30 CFR Sec. 701.5, 784.19, 784.25, 817.71, 817.72, 817.73, 817.74, 817.81, 817.83, 817.84, 817.87, 817.89; R645-100-200, -301-210, -301-211, -301-212, -301-412, -301-512, -301-513, -301-514, -301-521, -301-526, -301-528, -301-535, -301-536, -301-542, -301-553, -301-745, -301-746, -301-747.

**Analysis:**

**Refuse Piles**

A permanent refuse pile (Section 514.100) with MSHA # 1211-UT-09-01444-01 is located on Map 5-2. [The refuse pile remained dormant until June of 2005.] As noted in section 536, the refuse pile may be re-mined for use at the Sunnyside Co-generation plant (Appendix 5-1) or may be taken off-site, cleaned using a patented air cleaning technology and the resulting higher BTU product blended with coals stored at the Savage site for shipment to cement plants was approved (Appendix 5-2). The reject from this latter enhancement process is returned to the MSHA refuse pile for final disposal.

2011 Inspection Reports indicate that refuse or high-ash coal material haulage varies from none at all during the wet winter months (Inspection Report # 2608), to more than 320 Tons/day (8 truck loads), during the dry, summer months (Inspection Report #2832). Figure 1 of Attach.1 of App. 5-1 illustrates the topography of the refuse pile and estimates the volume of the

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refuse as 4,194,000 cu ft (155,333 cu yd), as of July 2011. Section III, Timing, provides an estimated schedule for removing the remaining refuse over the remainder of the permit term.

Section 536 relates that the coal processing plant was restarted in 2006, after being idle since 1984. In 2006, Savage Industries negotiated a contract with an outside company to wash high ash coal. Coal processing waste generated by this activity was approved for temporary storage at the Savage Coal Terminal in the permitted MSHA refuse pile. The wash plant waste from this process may be stored temporarily at the MSHA refuse pile site, but will be returned to the outside company for final burial. The coal processing material will be stored for a maximum of one year prior to return shipment to the outside company's waste rock permanent disposal facility.

**Findings:**

The information provided is current and meets the requirements of the Utah Coal Rules.

**RECOMMENDATIONS:**

The MRP meets the requirements of the Coal Rules. A site visit in late spring/early summer is recommended to observe the condition of the topsoil stockpiles.