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**State of Utah**  
DEPARTMENT OF NATURAL RESOURCES

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**Technical Analysis and Findings**  
**Utah Coal Regulatory Program**

**PID:** C0070005  
**TaskID:** 4687  
**Mine Name:** SKYLINE MINE  
**Title:** RAIL LOADOUT ASPHALT

**Summary**

The application for asphalt placement at the mine site truck loadout was received on 9/22/2014. On October 7, 2014, Division staff visited the site to become familiar with the site and discuss the application. The asphalt/concrete pavement will minimize dust and facilitate the loading of an increased volume of coal.

*Deficiencies Details:*

None

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**Operation Plan**

**Topsoil and Subsoil**

*Analysis:*

There is no additional surface disturbance with this application. There is no change to the soils handling plan with this application.

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**Road System Plans and Drawings**

*Analysis:*

An amendment was submitted to improve the existing Truck Loadout located adjacent to the site sediment pond. The improvement consists of laying 4 inch asphalt from the edge of the truck loadout extending northwest approximately 300 ft to the existing concrete apron entering SR264. Plate 3.2 1-1\_rev10 illustrates the improvement.

*Deficiencies Details:*

A cross section detail of the new asphalted area should be included along pavement analysis or professional reference if no analysis was conducted to verify the 4 inch is adequate for the expected truck axial volume. These supporting documents will be added to the appendix with current road details.

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# Reclamation Plan

## Bonding Determination of Amount

### *Analysis:*

The bond was updated to account for the removal of additional 35 tons of asphalt on the site. This raised the current subtotal of demolition reclamation costs for Truck Loadout 07 to \$3,264. Applying the 2009 escalation rate of 1.005 the approximate 2009 dollar bond amount is \$5,160,000 which shows a deficiency in the current bond amount of 0.45%. This deficiency is within the tolerance of the 5% rule accepted by the State, however, the demolition reclamation costs are missing cost information, see deficiency below.

### *Deficiencies Details:*

The current bond calculation sheet shows the 2014 RS means cost of \$2.05/CY for 3 CY capacity equal to 130 CY/hr front loader excavating. This 2014 dollar estimate is added to 2006 Dollars which is then escalated to 2009 dollars on page 4 of the amendment submittal. The approximate density of Asphalt (Harmoneysandgravel.com) is 1.35 tons/CY, therefore, 35 tons of asphalt is equivalent to 47.25 CY. If a more accurate density was used to arrive at 57.5 a source must be provided.

Additionally, there is no cost for demolition, transportation, and disposal of the asphalt (2014 RS Mean Ref # 0241 13.17 5050,0241 16.71 4200, & 3123 23.20 sized haul truck). This cost should be applied to the surface area of asphalt demolition

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