



GARY R. HERBERT
Governor
GREG BELL
Lieutenant Governor

State of Utah
DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

FINDINGS DOCUMENT
Utah Coal Regulatory Program

PID: C0410002
TaskID: 4398
Mine Name: SUFCO MINE
Title: ASPHALT PAVING OF UPPER YARD

Reclamation Plan

Bonding Determination

Meets Requirements

Analysis:

Appendix 5-9 of the MRP (Reclamation Bond Estimate) was modified to include the pavement project.

The currently approved reclamation cost (escalated) is \$2,625,000. The bond posted is \$2,874,000. The operator currently has \$249,000 (+8.66%) of available bond posted that is not dedicated to any specific reclamation activity.

With the inclusion of the pavement area, the escalated reclamation cost will be \$2,639,000. This is a \$14,000 increase. The bond posted will remain the same, so the operator will have \$235,000 (+8.18%) of excess bond posted.

Adjustments were made to the bond calculation spreadsheets. New line items and associated costs were added for culvert excavation, asphalt demolition, concrete demolition, removal, transportation, and disposal. The Division agrees with the operator's unit cost estimates for these reclamation activities.

jowen

Operation Plan

Hydro Diversion General

Meets Requirements

Analysis:

On August 26, 2013, the Division received an amendment to pave the Sufco mine surface facilities upper yard. The applicant submitted information in chapter 5 and chapter 7 of the MRP with a description of the area to be paved. The application also included two detail drawings in Appendix 5-11.

The area to be paved includes the installation of three segments of concrete ditches with drop drains. The drop drains direct surface runoff from the newly paved area into existing culverts that discharge into the sediment pond. A fourth drop drain

collects water into the lower yard and from there into the sediment pond.

The applicant states that there will not be additional runoff introduced into the designed drainage system with the paving project. Runoff calculations do not need to be updated for the designed sediment ponds.

adaniels

Hydro Diversion General

Meets Requirements

Analysis:

On August 26, 2013, the Division received an amendment to pave the Sufco mine surface facilities upper yard. The applicant submitted information in chapter 5 and chapter 7 of the MRP with a description of the area to be paved. The application also included two detail drawings in Appendix 5-11.

The area to be paved includes the installation of three segments of concrete ditches with drop drains. The drop drains direct surface runoff from the newly paved area into existing culverts that discharge into the sediment pond. A fourth drop drain collects water into the lower yard and from there into the sediment pond.

The applicant states that there will not be additional runoff introduced into the designed drainage system with the paving project. Runoff calculations do not need to be updated for the designed sediment ponds.

adaniels

Support Facilities

Meets Requirements

Analysis:

Appendix 5-11 was added to the included engineering appendices. Page 5-59 and 5-60 were modified to include a narrative description of the areas to be paved. This action will constitute no changes to the list of surface facilities, since the areas being paved are already being used as surface facilities.

The narrative also describes the concrete ditches and drop drains that will be used to control runoff from the paved areas. Runoff will report to the same sediment control structure as before.

The paving project for the upper mine yard was added to the reclamation bond.

jowen