



State of Utah
 DEPARTMENT OF NATURAL RESOURCES
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Technical Analysis and Findings

Utah Coal Regulatory Program

October 6, 2016

PID: C0070035
TaskID: 5274
Mine Name: SUNNYSIDE REFUSE & SLURRY
Title: ROAD ADJUSTMENTS

Operation Plan

Mining Operations and Facilities

Analysis:

The amendment meets all the State of Utah R645 requirements for Mining Operations and Facilities.

The amendment meets the requirements of R645-301-523 by addressing a description of the mining operation associated with the proposed changes to Primary Haul Roads E, B, T and other ancillary roads associated with the excess spoil disposal area #2 Phase 1. The amendment includes all the updated Drawings 5-2, 5-2C, 5-2D, 5-2H, 5-2K to show the discussed changes. Narrative of the roads was also updated in Appendix 5-7 Roads. The current operations required the extension of Road E along an existing old disturbed roadway. The extension of the Road E also encompasses a small section of Road B.

The amendment also contained some housekeeping items by removing Road T, which was previously approved to cross the refuse pile but was never constructed. The Permittee has now determined that the road will be removed from their planned operations. Several ancillary roads surrounding the Excess Spoil Disposal Area #2 Phase 1 were also reclaimed with the recent Disposal Area reclamation. These roads include portions of Road G and Road I.

cparker

Road Systems Classification

Analysis:

The amendment meets the State of Utah R645 requirements for Road Systems and Other Transportation Facilities.

The amendment meets the requirements of R645-301-527.100 by classify each road as primary or ancillary. The amendment includes all the updated Drawings 5-2, 5-2C, 5-2D, 5-2H, 5-2K to show changes to Primary Haul Roads E, B, T and other ancillary roads associated with the excess spoil disposal area #2 Phase 1 (G and I).

cparker

Road System Plans and Drawings

Analysis:

The amendment meets the State of Utah R645 requirements for Transportation Plans and Drawings.

The amendment meets the requirements of R645-301-534.100 by submitting plans and drawing for each road to be maintained within the permit area. The amendment includes proposed changes to Primary Haul Roads E, B, T and other ancillary roads associated with the excess spoil disposal area #2 Phase 1. The amendment includes all the updated Drawings 5-2, 5-2C, 5-2D, 5-2H, 5-2K to show the discussed changes. Narrative of the roads was also updated in Appendix 5-7 Roads.

cparker

Road System Performance Standards

Analysis:

The amendment meets the State of Utah R645 requirements for Performance Standards of roads within the permit area.

The amendment meets the requirements of R645-301-534.150 by submitting plans and drawing for each road to be maintained within the permit area to prevent and control erosion. The amendment includes all the updated Drawings 5-2, 5-2C, 5-2D, 5-2H, 5-2K to show the discussed changes that meet the R645-301-534.150 requirements of plan and profile details.

cparker

Road System Certification

Analysis:

The amendment meets the State of Utah R645 requirements for Primary Road Certification

The amendment meets the requirements of R645-301-521.170 by submitting plans and drawing for each road to be prepared by or under the direction of and certified by a qualified registered professional engineer. The amendment includes all the updated Drawings 5-2, 5-2C, 5-2D, 5-2H, 5-2K to show the discussed changes that meet the R645-301-534.170 requirements of plan and profile details. Narrative of the roads was also updated in Appendix 5-7 Roads.

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Hydrologic Sediment Control Measures

Analysis:

The amendment meets the State of Utah R645 requirements for Sediment Control Measures.

The Permittee has proposed changes to some of the access roads throughout the existing disturbed area, specifically roads E, G, I, and T. These changes are shown on plates series 5-2. The changes to these roads will not disrupt storm water reporting to sediment control ponds (AD).

kstorrar

Maps Facilities

Analysis:

The amendment meets the State of Utah R645 requirements Mining Facilities Maps.

The amendment meets the requirements of R645-301-521.120 through-521.125 which require maps to clearly show existing surface and subsurface facilities. Drawings 5-2, 5-2C, 5-2D, 5-2H, 5-2K were updated to reflect the additional length of Road G, reduced length of Road B, and removal of Roads T, I and sections of G.

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Reclamation Plan

Road System Reclamation

Analysis:

The amendment meets the State of Utah R645 requirements for Reclamation of Roads.

The requirements of R645-301-534 are met within the amendment as there is no change to the existing MRP reclamation of roads throughout the permitted area.

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Road System Retention

Analysis:

The amendment meets the State of Utah R645 requirements for Retention of Roadway Facilities.

The requirements of R645-301-534 and -552 are met within the amendment as there is no change to the existing MRP reclamation of roads that will be retained at the end of mining that exist throughout the permitted area.

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Maps Bonded Area

Analysis:

The amendment meets the State of Utah R645 requirements for Bonded Area.

The requirements of R645-301-800 are met within the amendment as all the suggestion road improvements are located within the current bonded area map. The length of road removed is greater than the length of road added within the amendment.

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Maps Reclamation Final Surface Configuration

Analysis:

The amendment meets the State of Utah R645 requirements for Final Surface Configuration Maps.

The requirements of R645-301-542 are met within the amendment as there is no change to the existing MRP plan of the estimated final surface configuration back to AOC.

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Bonding Determination of Amount

Analysis:

The amendment meets the State of Utah R645 requirements for Determination of Bond Amount.

The amendment meets the requirements of R645-301-830.140 as the Permittee did not need to submit detailed bond information in regards to the amendment as the length of road removed is greater than the length of road added within the amendment.

The requirements of R645-301-800 are met within the amendment as all the suggestion road improvements are located within the current bonded area map.

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