

#3937
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TECHNICAL MEMORANDUM

Utah Coal Regulatory Program

November 2, 2011

TO: Internal File

THRU: Steve Christensen, Permit Supervisor *SJC*

FROM: April Abate, Team Lead *aaa 11/3/2011*

RE: Relocation of Truck Dump and Culverts, Savage Services Corporation, Savage Coal Terminal, C007/0022 Task # 3937

SUMMARY:

On October 17, 2011, the Division of Oil, Gas and Mining (the Division) received a resubmitted amendment by Savage Services Corporation (the Permittee) to submit updates to Plates 5-2 and 7-2 to show more accurate contours of the current refuse pile located on the southeast corner of the site. Tables listing culvert design and refuse pile drainage design specifications were also requested as part of the prior deficiencies under Task #3892.

The amendment was returned deficient based on the need for the following additional information:

[R645-301.512.100 & 722.500]: Please update Figures 5-2 and 7-2 to adequately represent the existing surface configuration and topographic elevation of the refuse pile. Maps should depict the realigned diversion ditch CD-13 and a more accurate representation of the topographic elevation and contours of the refuse pile.

[R645-301-741]: Please update Table 7-26 to reflect that C-22 has been removed and make any necessary updates to the design specifications of CD-13 on the table based on the realignment of this ditch.

RECOMMENDATIONS:

All figures and tables requested have been resubmitted and are up-to-date. The amendment is recommended for approval.

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TECHNICAL ANALYSIS:

MAPS, PLANS, AND CROSS SECTIONS OF RESOURCE INFORMATION

Regulatory Reference: 30 CFR 783.24, 783.25; R645-301-323, -301-411, -301-521, -301-622, -301-722, -301-731.

Analysis:

Existing Surface Configuration Maps

The Permittee resubmitted an updated Facility Map (Figure 5-2) showing the relocated truck dump approximately 125 feet to the south/southwest of its previous location. The refuse pile that abuts the temporary truck dump to the south has been adjusted to show more up-to-date contours on the map.

Surface Water Resource Maps

The Permittee submitted an updated Hydrology Map (Figure 7-2) showing the updated drainage controls in the permit area. The topographic elevation and contours of the refuse pile has been significantly reduced to reflect more up-to-date changes.

Certification Requirements

Plates 5-2 and 7-2 were both certified by Dan W. Guy, a Registered Professional Engineer with the State of Utah #154168.

Findings:

[R645-301.512.100 & 722.500]: Figures 5-2 and 7-2 are both up-to-date and meet the Utah Coal Rules.

OPERATION PLAN

HYDROLOGIC INFORMATION

Regulatory Reference: 30 CFR Sec. 773.17, 774.13, 784.14, 784.16, 784.29, 817.41, 817.42, 817.43, 817.45, 817.49, 817.56, 817.57; R645-300-140, -300-141, -300-142, -300-143, -300-144, -300-145, -300-146, -300-147, -300-147, -300-148, -301-512, -301-514, -301-521, -301-531, -301-532, -301-533, -301-536, -301-542, -301-720, -301-731, -301-732, -301-733, -301-742, -301-743, -301-750, -301-761, -301-764.

Analysis:

Discharge Structures

Updated culvert design specifications have been submitted on an updated Table 7-25 and Table 26.

Findings:

[R645-301-741]: Table 25 and Table 7-26 are up-to-date and meet the Utah Coal Rules.

RECOMMENDATIONS:

The amendment is recommended for approval.