

#4151

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TECHNICAL MEMORANDUM

Utah Coal Regulatory Program

July 25, 2012

TO: Internal File

THRU: Steve Christensen, Permit Supervisor *SCC*

FROM: April A. Abate, Environmental Scientist III *AAA 7/26/12*

RE: Addition of Ground Water Monitoring Well, Savage Services Corporation, Savage Coal Terminal, C/007/0022, Task ID #4151

SUMMARY:

On July 16, 2012, the Division of Oil, Gas, and Mining (the Division) received an amendment to add an additional groundwater monitoring well at the site. Based on one of the findings in the January 2012 mid-term permit review, there is no groundwater delineation representative for the eastern boundary of the property. With the absence of data from groundwater monitoring well S-1-GW, the Division requested a replacement well for S-1-GW. A drilling program initiated in June 2012 advanced two drill holes near the eastern boundary of the permit area. Both holes did not produce any groundwater. The Permittee opted to complete one of the holes as a groundwater monitoring well hoping that it may produce groundwater in the future.

Findings:

The Permittee provided the necessary updated text references in Chapter 7 pertaining to the new well. A new Plate 7-1 Water Monitoring Location map was also provided showing the location of new groundwater monitoring well S-3-GW.

RECOMMENDATIONS:

Approval is recommended.

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GENERAL CONTENTS

Text changes for Chapter 7 - of the Savage Mining and Reclamation Plan (MRP). Language addressing the newest well was submitted as a text change on page 5 of Appendix 7-3, the Probable Hydrologic Consequences appendix of the MRP. The Permittee also included a revised Plate 7-1 showing the location of the new groundwater monitoring well S-3-GW.

Findings:

The information submitted for this amendment meets the R645 Utah Coal Rules.

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:

The Permittee provided a certified copy of an updated Plate 7-1 map showing the location of new groundwater monitoring well S-3-GW.

Findings:

The information provided meets the Utah Coal rules.

Hydrologic Balance Protection

A mid-term permit review was conducted for the Savage Coal Terminal in January 2012. One of the findings of the mid-term review was that there is no groundwater delineation representative for the eastern boundary of the property. With the absence of data from groundwater monitoring well S-1-GW, the Division recommended installing a replacement well for S-1-GW. A drilling program initiated in June 2012 advancing two drill holes near the eastern boundary of the permit area. Both holes did not produce any groundwater. The Permittee opted to complete one of the holes as a groundwater monitoring well hoping that it may produce groundwater in the future.

The text narrative in the MRP has been updated to include new groundwater monitoring well S-3-GW and added to their water monitoring program table on page 92 of the MRP.

Findings:

The information provided by the Permittee meets the Utah Coal Rules R645.301-731.

RECOMMENDATIONS:

Approval is recommended.