

TECHNICAL MEMORANDUM

Utah Coal Regulatory Program

July 28, 2006

TO: Internal File

THRU: Pamela Grubaugh-Littig, Permit Supervisor *pgl*

FROM: James D. Smith, Environmental Scientist, Team Lead *DS*

RE: North Rilda Volume 11, Task No. 2579, PacifiCorp, Deer Creek Mine, C0150018

SUMMARY:

Permittee's Action	Dated	DOGM's Action	Dated
Original submittal	07/13/2006	Assigned Task # 2579	
		Tech Memo	07/28/2006

This proposed amendment to Volume 11 results from an inspection of the facility by the Division. The inspector noted what seemed to be discrepancies between on-site sediment control practices in comparison to commitments in the MRP.

The amendment adds clarifying language to the Soils Section of Volume 11 regarding sediment control during construction. Changes include replacing the term diversion ditches/culverts with temporary sediment control. In the Hydrology Section, the amendment removes the commitment to build a temporary sedimentation basin prior to building the sedimentation pond near the Leroy Mine area: other sediment control practices will be used.

The proposed changes are minor, and neither the Master TA nor the CHIA determination need to be updated for this amendment.

TECHNICAL ANALYSIS:

OPERATION PLAN

TOPSOIL AND SUBSOIL

Analysis:

Changes are made in Sections R645-301-231.100, -231.400, and -234 in the Soils Section. Commitments which specified that ditches and culverts were to be installed around the perimeters of the topsoil and subsoil/construction fill piles have been revised so that other methods of temporary sediment control can be used. These controls are to be installed to divert runoff away from or around the piles and thereby reduce erosion due to runoff from adjacent areas.

Temporary sediment controls are also to be used to prevent loss of soil from the piles themselves. Statements that specify silt fence will be the treatment for runoff from the piles have been removed or modified. The treatment for this runoff will instead be a combination of irregular surface pocking, mulch, grubbed vegetation material, vegetation, and silt fencing (Volume 11, Section R645-301-234).

Findings:

Proposed changes to the Topsoil and Subsoil Section of the Operation Plan are sufficient to meet the requirements of the Coal Mining Rules.

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:

Sediment Control Measures

Changes are made in Sections R645-301-231.100, -231.400, and -234 in the Soils Section to replace specific commitments that ditches and culverts will be installed around the perimeters of the topsoil and subsoil/construction fill piles with more general commitments to use temporary sediment controls, including ditches and culverts, silt fences, and berms (Volume 11, Section R645-301-234). These controls are to be installed to divert runoff away from or around the piles and thereby reduce erosion due to runoff from adjacent areas. Runoff from these piles is to be treated with a combination of irregular surface pocking, mulch, grubbed vegetation material, vegetation, and silt fencing (Volume 11, Section R645-301-234).

Temporary sediment controls, including sedimentation basins, silt fences, and straw bales, are to be in place before any other construction activities occur, including timber and vegetation removal. The approved plan specifies construction of two temporary sedimentation

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basins, one at the lower end of the Minesite Facilities Area and the second at the site of the sedimentation pond (Volume 11, Hydrology Appendix B, Section 3.5).

In June, the Permittee began removal of coal waste buried down-slope from the reclaimed Leroy portals, in the area of the planned sedimentation pond. Part of this work was outside the permit area because of the wildlife mitigation committed to in Volume 11, Section R645-301-330. An inspection by the Division found the work was being done without the temporary sedimentation basin committed to in the MRP, although silt fence and straw bales were in place. Rather than write an NOV, it was agreed that the Permittee would amend the MRP to remove the specific commitment to build the temporary sedimentation basin in the sedimentation pond area.

This amendment removes the specific commitment for a temporary sedimentation basin at the sedimentation pond site, so that silt fences and straw bales can also be used as temporary sediment control measures at this location (Volume 11, Appendix B, Section 3.5).

Findings:

The proposed changes to Hydrologic Information section of the Operation Plan meet the requirements of the Coal Mining Rules.

RECOMMENDATIONS:

The recommendation is for approval of this amendment.