

June 27, 2003

TO: Internal File

FROM: James D. Smith, Environmental Scientist and Team Lead

RE: Discharge Permit, CO-OP Mining Company, Bear Canyon Mine, C/015/025-AM03D

SUMMARY:

A new UPDES permit has been issued to C. W. Mining Company – Bear Canyon Mine. The new permit was effective May 1, 2003 and expires April 30, 2008. The significant change from the previous permit is the addition of Section I. F. - Storm Water Requirements: paragraph 3 of this section relates these Storm Water Requirements to SMCRA. It does not appear that these Storm Water Requirements require any action by the Division at this time.

TECHNICAL MEMO

TECHNICAL ANALYSIS:

ENVIRONMENTAL RESOURCE INFORMATION

Regulatory Reference: Pub. L 95-87 Sections 507(b), 508(a), and 516(b); 30 CFR 783., et. al.

HYDROLOGIC RESOURCE INFORMATION

Regulatory Reference: 30 CFR Sec. 701.5, 784.14; R645-100-200, -301-724.

Analysis:

Sampling and Analysis

A new UPDES permit has been issued to the Bear Canyon Mine. The permit was effective May 1, 2003 and expires April 30, 2008. During the second and fourth year of this permit, analyses for Total Recoverable Aluminum, Total Recoverable Iron, and Total Suspended Solids are required to meet the new UPDES Storm Water Requirements: these additional analyses are beyond any specific requirements of the Coal Mining Rules.

Baseline Information

No baseline information is required for the new UPDES parameters.

Findings:

Information provided in the proposed amendment is adequate to meet the Hydrologic Resources information requirements of the Coal Mining 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:

Surface Water Monitoring

The MRP already contains a commitment to submit all discharge reports to the Division with the quarterly water-monitoring report. Other than the copy of the UPDES permit in Appendix 7-B, details of the UPDES monitoring are not included in the MRP, so this change to the UPDES permit does not require a change to the monitoring plan in the MRP.

Water-Quality Standards And Effluent Limitations

A new UPDES permit has been issued to the Bear Canyon Mine. The permit was effective May 1, 2003 and expires April 30, 2008. During the second and fourth year of this permit, analyses for Total Recoverable Aluminum, Total Recoverable Iron, and Total Suspended Solids are required to meet the new UPDES Storm Water Requirements: these additional analyses are beyond any specific requirements of the Coal Mining Rules.

Findings:

Information provided in the proposed amendment is adequate to meet the Hydrologic Information requirements of the Coal Mining Rules.

RECOMMENDATIONS:

The proposed amendment should be approved for insertion into the Mine Plan.