



State of Utah
 DEPARTMENT OF NATURAL RESOURCES
 DIVISION OF OIL, GAS AND MINING

1594 West North Temple, Suite 1210
 PO Box 145801
 Salt Lake City, Utah 84114-5801
 (801) 538-5340 telephone
 (801) 359-3940 fax
 (801) 538-7223 TTY
 www.nr.utah.gov

Michael O. Leavitt
 Governor
 Robert L. Morgan
 Executive Director
 Lowell P. Braxton
 Division Director

November 5, 2002

TO: Internal File

FROM: Michael Suflita, Reclamation Hydrologist and Team Lead *msd*

RE: Water Monitoring Update, Co-Op Mining Co., Bear Canyon Mine, C/015/025-AM02G-1

SUMMARY:

On May 30, 2002 the Division received a proposed amendment to change the water-monitoring plan due to progression of the mining. On July 29, 2002 the Division sent the Operator a Technical Analysis with deficiencies. On August 29, 2002 the Division received a revised amendment. This document is an analysis of the latest submittal. There are no deficiencies.

TECHNICAL ANALYSIS:

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:

Ground-water monitoring

The proposed amendment has three changes to the groundwater-monitoring plan. In 1999, SBC-9 was abandoned due to retreat mining and was replaced by SBC-13. SBC-13 is now being removed from the mine plan due to the fact that retreat mining has resulted in the area becoming inaccessible. The second change is the addition of site SBC-9A. This site is now used since a borehole was drilled up to the old SBC-9 site.

TECHNICAL MEMO

The third, and last, change is the addition of SBC-11. This site was added since the mine encountered water seeping from the Bear Canyon Fault. Monitoring has already begun at the new sites.

When providing clean copies of this amendment, the Operator is asked to change the color of the symbols and text of the water monitoring points on Plate 7-10A, Mine Water Survey and Plate 7-10B, Mine Water Survey. The light gray color presently used results in difficulty in finding the monitoring sites. A darker color would work much better.

Findings:

Information provided in the proposed amendment is considered adequate to meet the requirements of this section

RECOMENDATIONS:

The amendment can be approved in its present form.