

2004 Annual Report Review

Permittee: CO-OP Mining Company
Mine Name: Bear Canyon Mines 1, 2, 3, and 4
Permit Number: C/015/025
Date Report Received: April 1, 2005
Date Completed _____

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Assigned Reviewers:

Peter Hess, Engineer / Inspector	8/11/2005 <i>PHH/Jan</i>
Joe Helfrich, Biologist	12/05/2005 <i>JH</i>
Jim Smith, hydrologist	11/01/2005 <i>JS 05/10/07</i>

Instructions: The assigned staff will review their respective portions of the Annual report and provide a written determination (findings) on how the mine has or has not met the permit requirements for reporting. If the report is deficient or remedial action is required to obtain compliance, this should be noted and the inspector notified. Once all reviewers have completed the report, they should initial it and a copy will be filed in the Mine Internal File.

Assignments:

Inspectors: Review each cover sheet, AVS Legal/Financial, Mine Sequence Maps.
Hydrologists: Review Water Monitoring Data, Precipitation and Climatological Data, Non-Coal Waste
Biologists: Review Vegetation/Revegetation Success Monitoring, Raptor Survey
Engineers: Review Subsidence Monitoring Data, Annual Impoundment Certification, Annual Overburden, Spoils, Refuse, Floor, etc.

SECTIONS TO REVIEW	SUBMITTED		FINDINGS
	YES	NO	
Cover Sheet	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Appears complete and adequate.
AVS; Legal/ Financial Update	<input checked="" type="checkbox"/>	<input type="checkbox"/>	All forms included in the 2004 Annual Report, including the one sent to the Utah Department of Commerce reference C.W. Mining Company, and not CO-OP Mining Company. The DOGM check of the OSM AVS system on May 26, 2005 references CO-OP Mining Company. The OSM list contained the names of Wendell Owen and Ruth L. Brown as company managers. These names were not included in the Utah Department of Commerce form which is dated June 2001.
Mine Sequence Map	<input checked="" type="checkbox"/>	<input type="checkbox"/>	The 2004 Annual Report contains Plate 3-3, SUBSIDENCE MAP, which reports the locations of the subsidence monitoring points for Mines 1,2,3, and 4. Plate 3-3 is P.E. certified. Plate 3-4A shows the extent of the Mine workings in the Blind Canyon seam for both the #1 Mine (sealed) and the #3 Mine which is being developed Federal lease U-38727. Plate 3-4B depicts the Mine workings for the #1 Mine in the Hiawatha seam. Plate 3-4C, Tank seam shows the extent of the Mine workings in the #4 Mine. All Plates are P.E. certified by Mr. Charles Reynolds, and are assumed to be correct as of January 10, 2005.
Water Monitoring Data	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Water monitoring data are submitted quarterly.

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SECTIONS TO REVIEW	SUBMITTED		FINDINGS
	YES	NO	
Precipitation & Climatological Data	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Precipitation data only.
Non-Coal Waste report	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No report is required. All noncoal waste is hauled to and disposed of in the Emery County land fill.
Subsidence Monitoring Data	<input checked="" type="checkbox"/>	<input type="checkbox"/>	The Permittee submitted subsidence monitoring data for 45 monitoring points (500 through 545). Data is provided for all four Mines at Bear Canyon. The maximum deflection reported (-15.752 feet) was at monitoring point #544, located in section 30 of the Wild horse Ridge area (Federal lease U-020668). Of the 45 sites being monitored, 34 reported heave. Reported settling varied from less than a foot to 2.3 feet, with the exception of the 15.75 feet reported above. The data was collected by Olympus Aerial Surveys, Inc. on October 16, 2004.
Annual Impoundment Certification	<input checked="" type="checkbox"/>	<input type="checkbox"/>	The Bear Canyon disturbed area utilizes 4 sediment ponds, and three catch basins to catch, retain and treat the runoff reporting to them. The annual pond inspections and P.E. certifications for ponds "A", "C" and "D" were conducted during the fourth quarter of 2004 on December 20. Messrs. Mark and Charles Reynolds shared the inspection duties, with Mr. Charles Reynolds providing the P.E. certification for all four annual certifications. Pond "B" was cleaned and P.E. certified by September 15, 2004. Relative to remaining sediment storage capacity, Pond "C" has approximately 57% available, as of December 20, 2004. All other ponds have adequate capacity remaining. There were no hazards or signs of instability reported for any of the ponds by the Permittee's qualified individuals.
Annual Overburden, Spoil, Refuse, Floor, etc.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	The Mine site ships all coal mine waste and mine development waste to the Hiawatha permit area for disposal. The MRP states on Page 3-58 (old format, dated 6/25/01) that all waste generated from the Wild Horse Ridge operation will be hauled to the Hiawatha permit area (C/007/011) and disposed of in Hiawatha slurry pond 5A. This includes material which tested as having acid and toxic potential, as well as all other material which is considered as not having the potential to generate acid and toxic materials. The Permittee's annual report did not contain any sample analyses showing either acid and toxic potential or otherwise.
Vegetation Data	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Not required
Revegetation Success Monitoring	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Not required
Raptor Survey	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Not required

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SECTIONS TO REVIEW	SUBMITTED		FINDINGS
	YES	NO	
Other Information	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

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