

## 1999 Annual Report Review

Permittee: CO-OP Mining Company  
 Mine Name: Bear Canyon #1 and #2 Mines  
 Permit Number: ACT/015/025  
 Date Report Received: March 20, 2000-SLO/April 7, 2000-PEO  
 Assigned Reviewers: Peter Hess, Paul Baker, Robert Davidson, Sharon Falvey

*SM Jun*      *PKB*      *RAO*

*RAO for*

**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.

Section to Review	Submitted		Findings
	Yes	No	
Cover Sheet	<u>X</u>	—	Adequate.
AVS; Legal/ Financial Update	<u>X</u>	—	Included in Appendix C under Legal, Financial, Compliance and Related Information Annual Report of Officers.

Mine Sequence Map	<u>X</u> —	No mining in Hiawatha seam (#1 Mine) during 1999. Some pillar extraction in 3 <sup>rd</sup> West Blind Canyon seam, (#1 Mine) but mostly development of pillars. Most production came from pillar extraction in the Tank seam or #2 Mine. All maps are P.E. certified by Charles Reynolds.
Water Monitoring Data	<u>X</u> —	Data was submitted quarterly. No significant in mine water was reported to be intercepted during mining in the Tank Seam based on information provided in the report. Map 7-10A through 7-10C provide mine water survey information. Plate 7-10A is the Blind Canyon Seam not the Hiawatha Seam identified on the dip/strike symbol. In chapter 3, page 3-4, the plan commits to provide monthly total flow readings from the Blind Canyon Seam water meter pumped to the Tank Seam data is submitted quarterly.
Precipitation & Climatological Data	<u>X</u> —	Precipitation data for the mine was entered into the Quattro Pro spread-sheet N:\precip_p\coopdat.wb2
Non-Coal Waste report	— <u>X</u>	No information was provided regarding Non-coal Waste.
Subsidence Monitoring Data	<u>X</u> —	Data P. E. certified; no map to show location of monitoring points. All monitoring points relative to Bear Canyon Mine show less than one foot of heave or subsidence. No Plate 3-3 is included to show areas of visible movement, cracks or other visible effects determined by surface walk-over. Report is felt to be deficient.

Annual Impoundment Certification	—	<u>X</u>	Submitted as part of 4 <sup>th</sup> quarter water monitoring report; not included in annual report.
Annual Overburden, Spoil, Refuse, Floor, etc.	—	<u>X</u>	No designed refuse piles on site; no geological or geophysical data required by MRP.
Vegetation Data	—	<u>X</u>	Appendix 9-2 is supposed to contain tabulated results of aerial photography results but does not. Need to check to see if this information is available and if photography is being done.
Revegetation Success Monitoring	—	<u>X</u>	Not required.
Raptor Survey	—	<u>X</u>	Not required.
Other Information	—	—	