

2002 Annual Report Review

Permittee: PacifiCorp
Mine Name: Trail Mountain Mine
Permit Number: C/015/009
Date Report Received: April 9, 2003 in the Price Field Office

Assigned Reviewers:	Date Completed ▼
Peter Hess, Inspector / Engineer	5/7/2003
Jim Smith, Hydrologist	7/7/2003
Jerriann Ernsten	7/7/2003

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"/>	Information provided in the cover sheet appears to be complete and adequate.
AVS; Legal/ Financial Update	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Ownership and control information is provided as Appendix C. The submitted information coincides with OSM AVS information.
Mine Sequence Map	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	The Mine has been in temporary cessation status the entire year (2002). The annual report refers one to previous reports to view maps showing the extent of the underground workings. A 1"=2000' map (not P.E. certified) is included.
Water Monitoring Data	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Data are submitted electronically.
Precipitation & Climatological Data	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Non-Coal Waste report	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	All noncoal waste is disposed of at either the Emery County landfill or the Nielsen Construction Co. landfill. No report was submitted.

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SECTIONS TO REVIEW	SUBMITTED		FINDINGS
	YES	NO	
Subsidence Monitoring Data	<input checked="" type="checkbox"/>	<input type="checkbox"/>	The permittee annually submits an extensive subsidence report monitoring 25 different subsidence areas associated with the Trail Mtn., Cottonwood/Wilberg, Des-Bee-Dove, and Deer Creek Mines. Areas 23 and 24 are relevant to the Trail Mtn. Mine. Analysis of those sections has revealed the following; subsidence varies from 5-8 feet in area 23 where 8 feet of coal has been extracted. In area 24, nine feet of coal was extracted, with subsidence deflection varying from one to five feet, (See figure 23). The only visual affects of subsidence noted on the surface were a small group of fractures observed above the 4 th right panel in October of 2000. The permittee indicates that there has been no impacts to surface and /or ground water nor the current land use in the area due to mining.
Annual Impoundment Certification	<input checked="" type="checkbox"/>	<input type="checkbox"/>	The Trail Mountain Mine site sediment pond was inspected by the permittee on December 18, 2002. There were no hazardous conditions noted. The pond has 0.19 acre feet of sediment sstorage capacity remaining as of 12/18/2003. The inspection report was P.E. certified on January 8, 2003.
Annual Overburden, Spoil, Refuse, Floor, etc.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Coal mine waste from the Trail Mtn. Mine was disposed of at the Cottonwood/Wilberg waste rock site.
Vegetation Data	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<p>Required and submitted as indicated in Annual Report 2002 cover sheet.</p> <p>The Permittee provided qualitative vegetation monitoring (2002) of the following sites: grassland/shrub reference area, sediment pond, parking extension, and soil pile. Map TMs-1694-D show the surveyed areas and the results in table format.</p> <p>The disturbed sites were revegetated (interim) in years ranging from 1993-1996. Patrick Collins conducted surveys for all the sites from September 2nd through 9th, 2002. Results show that for the sediment pond, plants looked dormant or dead, possibly from drought. The north side of the survey area showed no desirable plant species and negliable or slight erosion. The condition of vegetation in the parking lot area was good. Soil pile was mostly covered with grasses, therefore, diversity was low.</p>
Revegetation Success Monitoring	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Required and submitted as indicated in Annual Report 2002 cover sheet. The Permittee provided qualitative vegetation monitoring (2002).

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	YES	NO	
Raptor Survey	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<p>Required and submitted as indicated in Annual Report 2002 cover sheet.</p> <p>The cover sheet refers the reader to Appendix B for the results of the raptor survey. Appendix B only contains the vegetation surveys for four Energy West mines.</p> <p>Appendix E contains the raptor surveys for Energy West. Results show that two Golden Eagle nests (#80 and 1210) were active. The surveyors observed two eggs in nest 80, and a hen in nest 1210. The results also show active nest for one Red-tailed hawk (#1207) and one prairie falcon (#939). Nests 80, 1207, and 1210 are located east of Mill fork canyon. The Division could not find reference for nest 939 on Map "2002 Raptors".</p>
Other Information	<input type="checkbox"/>	<input type="checkbox"/>	

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