

2000 Annual Report Review

Permittee: PacifiCorp
Mine Name: Cottonwood/Wilberg Mines
Permit Number: C/015/019
Date Report Received: April 11, 2001 @ PFO

Assigned Reviewers: Peter Hess, Engineer / Inspector *Pete per pgl*
Jim Smith Hydrology *JDS*
Paul Baker, Biology *PAB*

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 to be adequate and complete.
AVS; Legal/ Financial Update	<input checked="" type="checkbox"/>	<input type="checkbox"/>	List of PacifiCorp officers listed as part of Appendix C. Information is correct through 12/31/2000.
Mine Sequence Map	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Map has been included, although no underground extraction has occurred at these Mines since September 1995. Mainline conveyors were used to transport Trail Mountain product through East Mountain to the Cottonwood truck loading facilities, thence to the Hunter Power Plant.
Water Monitoring Data	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Water Monitoring data submitted quarterly. Numerous "parameter warnings" in 3rd and 4th quarter data indicate poor sample collection and handling techniques, poor lab technique, or both. The Permittee needs to collect and handle samples and monitor lab work with greater diligence.
Precipitation & Climatological Data	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Precipitation and temperature data for water year 2000 for Hunter Plant, Huntington Plant, Electric Lake, and East Mountain
Non-Coal Waste report	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Not required. Trail Mtn and Deer Creek in Appendix E, but not Cottonwood - Wilberg..

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	YES	NO	
Subsidence Monitoring Data	<input checked="" type="checkbox"/>	<input type="checkbox"/>	As noted above, there has not been active mining in the Cottonwood/Wilberg Mines since 9/95. The permittee's annual subsidence report consists of a 137 page analysis and map certified by Rodger C. Fry, registered professional geologist. Of the 25 subsidence areas studied, 4 are relative to the Cottonwood/Wilberg Mines. Mining in Area 14 was initiated in 1982; mining in Area 17 was completed in March of 1992. The maximum amount of subsidence deflection measured in any of the 4 areas was 7 feet. Areas 14, 15, 16, and 17 have all achieved their maximum subsidence, as more than 90% of subsidence occurs within the first year of the completion of extraction. The permittee reports that there are no springs within the 4 areas, therefore the impact to the hydrologic regime within the four areas will be minimal. The July 11, 2000 aerial subsidence survey showed no significant change in subsidence from the previous monitoring years.
Annual Impoundment Certification	<input checked="" type="checkbox"/>	<input type="checkbox"/>	All ponds inspected on December 29, 2000 by John Christensen, P.E., and Rick Cullum. North and South ponds were cleaned during the 4 th Qtr. No hazardous conditions reported. All ponds contain adequate sediment storage capacity. Annual P.E. certification on January 3, 2001.
Annual Overburden, Spoil, Refuse, Floor, etc.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Not required. No coal mine waste has been generated from the Cottonwood Mine since September of 1995.
Vegetation Data	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Revegetation Success Monitoring	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Several areas monitored. The subsoil stockpile and parts of the refuse berms should be checked to see if they need remediation work before they develop erosion problems.
Raptor Survey	<input checked="" type="checkbox"/>	<input type="checkbox"/>	There are three recorded nests near the mine portals, but only two were found. One was active with two eyases. These sites should continue to be monitored if there is a chance of activity adversely affecting them.
Other Information	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

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