

2004 Annual Report Review

JK

Permittee: Canyon Fuel Company, LLC
Mine Name: SUFCO Mine
Permit Number: C/041/002
Date Report Received: March 31, 2005 @ OGM Price Field Office

Assigned Reviewers:		Date Completed
Steve Fluke, Hydrology	<i>SF</i>	August 25, 2005
Peter Hess, Engineer / Inspector	<i>PHH by an</i>	August 15, 2005
Joe Helfrich, Biology	<i>JH</i>	December 5, 2005

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 type="checkbox"/>	<input checked="" type="checkbox"/>	On file with the Division; included as part of the MRP in General Chapter 1.
Mine Sequence Map	<input checked="" type="checkbox"/>	<input type="checkbox"/>	The Permittee submitted LMU Mining Progress Map 2004-2005 to meet this requirement. Areas where development and secondary extraction occurred are depicted by faded purple. This includes development of the 5 Left 2 Pines East headgate (11,200 feet, three entry), the 6 Left 2 Pines East headgate (8,700 feet, three entry), 1 Right Pines East, (750 feet, 3-5 entries), and 5,500 feet of three entry development in 4 Left 2 Pines East. The secondary extraction process recovered 12,300 feet of longwall panel from the 3 Left Pines East panel, and 2,700 feet from the 4 Left Pines east panel. The Mine produced 7,541,576 tons from Federal lease UTU-76195. This map is P.E. and P.G. certified by Mr. John Byers, Mgr. of Tech Services for the Permittee @ SUFCO, and Mr. Mark Bunnell.
Water Monitoring Data	<input checked="" type="checkbox"/>	<input type="checkbox"/>	All required water monitoring data for 2004 was submitted electronically to the Division database in a timely manner. A hydrologic monitoring summary report of the East Fork of Box Canyon for 2003 and 2004, prepared by Petersen Hydrologic, was included with the annual report.

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SECTIONS TO REVIEW	SUBMITTED		FINDINGS
	YES	NO	
Precipitation & Climatological Data	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Precipitation and climatological data was submitted for the SUFCO mine site and the East Fork weather stations.
Non-Coal Waste report	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Not required. No equipment was abandoned underground during 2004 mining.
Subsidence Monitoring Data	<input checked="" type="checkbox"/>	<input type="checkbox"/>	The 2004 annual subsidence report for the SUFCO Mine permit area includes an analysis of thirteen areas which are monitored for ground movement, and a Map 1, Mine Subsidence Map. The analysis was prepared by Mr. John M. Black, Chief Surveyor for the Permittee. Of the 13 areas being monitored, nine are considered dormant. Area 12 is the area in which both primary and secondary extraction is actively occurring. Area 12, as shown on Map 1 shows ground settlement ranging from five to seven feet in the center of the 3 longwall panels depicted. Map 1 is P.E. certified by Mr. John D. Byers, Utah registered professional engineer.
Annual Impoundment Certification	<input type="checkbox"/>	<input checked="" type="checkbox"/>	On file at the Division / SLO. Reviewed during Division quarterly inspections.
Annual Overburden, Spoil, Refuse, Floor, etc.	<input type="checkbox"/>	<input checked="" type="checkbox"/>	On file at the Division / SLO. Reviewed during Division quarterly inspections. Refuse analysis is forwarded to soils scientist following regular complete inspections.
Vegetation Data	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Included in Appendix B of the annual report are vegetation monitoring data for the Pines Tract. The data and report were compiled to determine if mine planned subsidence would have any impacts on the Link Trail Columbine. Ten photo points were chosen in various locations in Box Canyon and the East fork of Box Canyon. According to the report, data associated with the photos, describing the plants and their condition, there were no impacts from mining. Drought and grazing appeared to have an affect on the vigor of some of the plants photographed.
Revegetation Success Monitoring	<input checked="" type="checkbox"/>	<input type="checkbox"/>	As noted in the previous section.
Raptor Survey	<input checked="" type="checkbox"/>	<input type="checkbox"/>	The 2004 raptor survey is on file in the Division's confidential section of the library.
Other Information	<input type="checkbox"/>	<input type="checkbox"/>	

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