

1998 Annual Report Review

Permittee: Cyprus Plateau Mining CorporationMine Name: Willow CreekPermit Number: ACT/007/038Date Report Received May 14, 1999Assigned Reviewers: Paul Baker, Wayne Western, Sharon Falvey, Pete Hess

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 folder #6.

Assignments: Inspectors: Review cover sheet, AVS legal/financial, Mine sequence map
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 Yes	No	Findings
Cover sheet	<u>X</u>	—	Cover sheet adequate.
AVS; Legal/Financial Update	<u>X</u>	—	Submitted in Report. List of officers & directors appears adequate. Map not P.E. certified. During 1998, the following areas were developed/ retreated at the Willow Creek Mine; 1) Approximately 3100 feet of the D-1 longwall panel was extracted (1,175 foot face width) between July and November. The fire at the Mine occurred on November 25. 2) 7,100 feet of entry (2 entry) was developed by the d-1 Headgate section, including 1,175' of bleeders. 3) 7,400 feet of 2 entry development was conducted to establish the D-1 tailgate section. This included development of the set up face entrys for the longwall machinery. 4) 5800 feet of bleeder entrys were developed in the D-1 bleeders. 5) 6,700 feet of 2 entry development was driven by the D-2 panel headgate section. 6) 900 feet of ten entry development was driven in the Mains; this advanced the entrieds to the point that the D-3 headgate section could be turned off. 7) Map 2, Drawing No. C:\Ray\Willow\WC-98-Mining DWG is not P. E. Certified as is required by R645-301-512.110.
Mine Sequence Map	<u>X</u>	—	An MSHA map that showed the areas that were mined in 1998 was included.

Water Monitoring Data	<u>X</u> —	Water monitoring data is presently on file and was submitted with the annual report. A stream channel stability report and related information was provided in appendix E.
Precipitation & Climatological Data	— <u>X</u>	No precipitation data was reported.
Non-Coal Waste report	— <u>X</u>	No non-coal waste report was provided.
Subsidence monitoring data	<u>X</u> —	No major subsidence events occurred. Subsidence monitoring stations showed that subsidence was usually a few hundredths of a foot to a few tenths of a foot.
Annual Impoundment Certification	<u>X</u> —	All ponds were in proper working condition.
Annual Overburden, Spoil, Refuse, Floor, etc.	<u>X</u> —	The reports for the refuse piles were included. The Permittee reports that the refuse pile is safe and in proper working order.
Vegetation data	— <u>X</u>	No information required.
Revegetation Success monitoring	<u>X</u> —	There is a report about the vegetation on the relocated sections of Willow Creek. About 700 coyote willow cuttings were planted in the lower stretch of the relocated stream, and part of the northwest bank of the stream in this area was gouged and seeded in an attempt to reduce the amount of cheatgrass and increase desirable vegetation.
Raptor survey	— <u>X</u>	Revised information submitted in amendment with as-built maps.
Other information	<u>X</u> —	The annual report includes a report on fish populations of Willow Creek. Fish populations in the relocated segments of Willow Creek have recovered to approximately pre-disturbance levels.

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