



State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

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January 21, 2000

TO: Internal File

FROM: Sharon Falvey, Senior Reclamation Specialist and Lead

RE: Willow Creek As-Built, Stream Channel Relocation, Plateau Mining Corporation, *SKF*
Willow Creek Mine, ACT/007/038-AM99H

SUMMARY:

Cyprus Plateau Mining Corporation (CPMC) submitted an amendment to obtain approval for changes made during the mine construction at the Willow Creek Mine. The changes were included in four volumes submitted to the Division on April 30, 1999 and in revised pages submitted on August 3, 1999 and on October 29, 1999. The October 29, 1999 submittal also included minor changes to disturbed area drainage at DD-40 B and DD-40A. Information including the Willow Creek construction details were submitted on November 4, 1999.

TECHNICAL ANALYSIS:

OPERATION PLAN

HYDROLOGIC INFORMATION

Regulatory Reference: 30 CFR Sec. 773.17, 774.13, 784.14, 784.16, 784.29, 817.41, 817.42, 817.43, 817.45, 817.49, 817.56, 817.57; R645-300-140, -300-141, -300-142, -300-143, -300-144, -300-145, -300-146, -300-147, -300-147, -300-148, -301-512, -301-514, -301-521, -301-531, -301-532, -301-533, -301-536, -301-542, -301-720, -301-731, -301-732, -301-733, -301-742, -301-743, -301-750, -301-761, -301-764.

Analysis:

Stream buffer zones.

The approved plan proposed the 100 foot stream buffer zone along Willow Creek would be maintained through the facilities area except in a 200 foot segment at the main access

road bridge crossing, and along a 800 foot length of Willow Creek reconstruction. The final construction resulted in reduced buffer zones of 600 feet along two 300 foot linear stretches, in addition to, the 900 linear feet of Willow Creek reconstruction. The existing segments disturbed within the 100 foot buffer zone and a couple cross sections are presented in Figure 7 and 5 in Exhibit 14 - Willow Creek Realignment Plan on and on Map 18. Longitudinal "as-built" information is provided on Sheets 1 and 2 in Exhibit 14, but there is no reference to a cross section location map and the map is not certified.

Additional information provided includes photo documentation, correspondence from interested agencies, and a summary including construction element that changed from the proposed design.

Findings:

This amendment needs to include the following in accordance with the requirements of:

R645-301-521.140, Longitudinal "as-built" information provided on Sheets 1 and 2 in Exhibit 14, - Willow Creek Realignment Plan needs to include a cross-reference to the map showing the locations of the segments included in the profile (One should be able to locate P-1 on Willow creek from a topographic map).

R645-301-512, Maps in Exhibit 14, - Willow Creek Realignment Plan needs to be certified.

R645-301-120, Page number do not coalesce with pages in the existing plan. The pages may coalesce with the previously approved As-built information. This information must coalesce with the approved as-built application.

RECOMMENDATION:

The applicant should be requested to supply the requisite number of copies without redline-strikeout which can be directly incorporated into the plan by the project lead. The applicant should be informed the approved stamped copy will be returned to them with an approval letter after a submittal, complete for incorporation, is verified.

The applicant could be allowed to submit this information with the as-built information, not yet provided, if the outstanding deficiencies are verified prior to incorporation into the permit.