0039

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

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DIVISION OF OIL GAS & MINING
FIELD VISIT FORM
TECHNICAL

Date : May 21, 1996

Time: 8:30 am to 12 noon

Mine: Willow Creek

File Number: ACT/007/038, **Folder #2**

DOGM Staff: Robert Davidson and Pete Hess

Other Attendees: Ben Grimes and Pat Johnston

Purpose:
Site inspection for soil salvage compliance in new disturbance areas. Site visit concerning a recent filed Division Order on soil's resource, operation and reclamation activities in School House Canyon and Castle Gate conveyor belt expansion area soil salvage.

Observations:
New disturbance of undisturbed soils on ROM pile pad area - cutbank not documented by field soils person. Need area of disturbance and approximate volume of soil not accounted for. Pat will document area and volume and correlate to amount of soil removed for reclaiming riparian-new stream realignment channel. Went over other undisturbed areas in Willow Creek Facilities area that are slated for disturbance. Pat will document disturbance areas, surface area and volumes of soils affected, along with salvaged volumes and reasons for amounts salvaged or not salvaged. Also will document upper propane tank storage pad area where the previously undisturbed soils were not salvaged to the topsoil pile and were used for the pad fill and out slope. Written documentation of why soils were left will include that the soils were extremely rocky and best left in the protected area of the storage pad rather than mixed with the coal contaminate topsoil salvaged and stored in the topsoil pile. The pad will basically receive little impact, the out slope and cutbank vegetated to control erosion providing life to the disturbed soil, and the surface pad covered with gravel to lessen compaction and disturbance. The pad and out slope disturbed soils will then be used at reclamation time to reclaim the pad area.

Visited Schoolhouse Canyon with Ben to look at undisturbed soils in canyon area. Soils on south facing slopes are disturbed and not salvageable because of very steep banks and canal

located up slope running full length of the south facing slope. North facing slopes have undisturbed soils that could be salvaged. Depth and quality of material need to be surveyed. Techniques of salvage were brain stormed between Robert Davidson, Pete Hess, and Ben Grimes. These include using a backhoe to pull soils down and then loading the soils for transport to storage area. Possible problems include slope steepness and stability, contamination by refuse during loading, and rock amounts and size. Ben recognized the added benefit of adding soils to the deficit condition in the Castle Gate reclamation plan. We also discussed possibilities of using the soils directly to reclaim the out slope of the refuse pile during operation. Ben mentioned that CPMC has been considering moving the toe sediment pond out further and taking the toe of the refuse pile out further to lessen the out slope steepness which would aid reclamation efforts. The removed soils from Schoolhouse Canyon could then be used to reclaim the new out slope during operation.

Recommendations/Conclusions:

1. Pat will document new disturbance areas in undisturbed soils, volumes, surface area, and soil salvage results based on field conditions.

2. Ben Grimes will receive D.O. on Schoolhouse Canyon. Will get together to further define objective for topsoil salvage plans at Castle Gate.

Signature: _____ **on** May 22, 1996
Robert A. Davidson, Reclamation Specialist II (Soils)

State of Utah
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF WATER RIGHTS

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RECEIVED
MAY 29 1996
DIV. OF OIL, GAS & MINING

May 24, 1996

Cyprus Plateau Mining Corporation
Attn: Mr. Ben Grimes
P.O. Box PMC
Price, Utah 84501

Re: Willow Creek Permit Application Package, Willow Creek Mine,
Cyprus Plateau Mining Corporation
PRO/007/038 Carbon County, Utah

ACT #3

Dear Mr. Grimes:

In regards to this Division's review of the above-referenced mine plan dated November 15, 1995, it would appear that our concerns have adequately been addressed in the Willow Creek Mine Technical Adequacy Response December, 1995, with personal communications and other submittals. The only issue remaining is in regards to your water diversion location on the Price River. I would be happy to meet with you at your convenience to resolve this matter.

As always, your cooperation is appreciated. If you have any questions, please feel free to contact me at your convenience.

Sincerely,

Mark P. Page
Regional Engineer

cc: Pam Grubaugh-Littig - Division of Oil, Gas & Mining

MPP/mjk