



State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

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August 9, 1989

TO: Richard V. Smith, Permit Supervisor

FROM: Tom Munson, Reclamation Hydrologist *RVS for*

RE: Review of Proposed Amendment for Alternative Sediment Control Areas, Cyprus-Plateau Mining Company, Starpoint Mines, ACT/007/006-89H, Folder #2, Carbon County, Utah

Synopsis

On July 6, 1989, the Division received a request from Cyprus-Plateau Mining Company regarding Small Area Exemptions (SAE's). Six areas have been identified by the operator as qualifying as small area exemptions. These areas are designated as SAE's One through Six, and are shown on Map 71, Mine Permit Area. This memo reviews this request by the Cyprus-Plateau Mining Company.

Analysis

Table 95 included in this submittal identifies six areas and gives the sediment controls currently in place which are used to treat disturbed runoff. The ability of these structures to effectively treat runoff and meet applicable effluent standards has been field verified by Division Field Specialist Bill Malencik as documented in his memos of September 29, 1988 and July 22, 1989. All areas have been determined to qualify as Alternative Sediment Control Areas (ASCA's) not SAE's. The total disturbed area involved is 3.8 percent of the total disturbed area currently permitted at the Starpoint Mine.

Bill Malencik's memo of July 26, 1989 states that silt fence is needed to supplement the berms, in place, adjacent to the half-round culvert. At the time of his inspection, these berms had not been maintained and it was felt that silt fence would provide additional alternative sediment control treatment.

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When an inspection was performed on August 3, 1989, the berms were repaired and appeared to be very effective in trapping all runoff and preventing erosion. Therefore, it was recommended to the operator on site that this ASCA be approved as is and that maintenance of the berms was of utmost importance, regarding approval of this area as an ASCA.

Recommendations

Approval be granted when all six areas identified as ASCA's in the text and on the maps to correspond with current policy requirements. This can be accomplished by substituting the term ASCA for SAE in the text and on the maps. The operator also needs to refer to a maintenance plan in the PAP for all ASCA's. Failure to maintain sediment controls at any ASCA will result in enforcement action.

djh
AT5/26-27