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

Michael O. Leavitt
Governor
Kathleen Clarke
Executive Director
Lowell P. Braxton
Division Director

1594 West North Temple, Suite 1210
PO Box 145801
Salt Lake City, Utah 84114-5801
801-538-5340
801-359-3940 (Fax)
801-538-7223 (TDD)

April 10, 2001

TO: In ~~██████████~~

THRU: Susan M. White, Team Lead *SMW*

FROM: David W. Darby, Reclamation Specialist III *DWD*

RE: Permit Amendment, Silo Demolition, Plateau Mining Corporation, Star Point Mine, ~~001006~~ AM01B

SUMMARY:

This review evaluates the hydrologic impacts that Plateau Mining Corporation will cause as a result of demolishing the unit train loadout silo.

TECHNICAL ANALYSIS:

RECLAMATION PLAN

Analysis:

General

Plateau Mining Corporation will amend BLM right-of-way U-52409 approximately 0.98 acres to allow demolition and burial of the loadout silo. No ground-water issues will be involved, only surface water and sediment controls will be required.

Surface-water monitoring

Addition of the surface area will not influence perennial or intermittent stream, springs or standing water bodies. No perennial or intermittent surface flow exists adjacent to the proposed ROW and disturbed area addition. The area receiving the demolished silo is currently an alternate sediment control area. Flows are expected only in the most intense rainstorms. No monitoring sites will be established below the disturbed area.

TECHNICAL MEMO

Water quality standards and effluent limitations

Silt fences will be used to contain disturbed area runoff until sufficient vegetation growth is established to control and contain erosion.

Diversions

No diversions are associated with the proposed change.

Siltation structures

Silt fences will be installed below the disturbed area to contain any sediment washing from the site.

Other treatment facilities

During reclamation the disturbed area will be regarded to contour, as shown in Figure 12, then roughened and reseeded.

Casing and sealing of wells

No wells exist in the disturbed area.

Findings:

The applicant has submitted sufficient information to address this section.

MAPS, PLANS, AND CROSS SECTIONS OF RECLAMATION OPERATIONS

Regulatory Reference: 30 CFR Sec. 784.23; R645-301-323, -301-512, -301-521, -301-542, -301-632, -301-731.

Analysis:

Affected area boundary maps

This map is shown in Plate F-12.

Reclamation backfilling and grading maps

A description of the demolition and regarding is discussed in the submittal. Contours showing final surface topography are shown in Plate F-12.

Reclamation facilities maps

See Plate F-12.

Findings:

The applicant has supplied sufficient information to describe the hydrologic post mining impacts to the proposed disturbed area from demolishing the silo. The action proposed by the operator will not cause extensive impacts to the hydrologic system.

RECOMMENDATION:

It is recommended that the hydrologic section of this application be approved and incorporated into the MRP.