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STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

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June 6, 1988

TO: John Whitehead, Permit Supervisor
FROM: Jim Fricke, Reclamation Hydrologist *JF*
RE: Incidental Boundary Change, Kaiser Coal Corporation,
Sunnyside Mine, ACT/007/007, Folder #2, Carbon County, Utah

Synopsis

The operator has submitted (May 23, 1988) an amendment for an Incidental Boundary Change and reclamation of the Coarse Refuse Toe Pond.

During abatement of NOV 88-26-9-1, the operator constructed a small (.04 acres) work pad outside of the permit area. The pad was used to allow backhoe access to a plugged culvert. Additionally, .03 acres of disturbed area (for a total of .07 acres) will be annexed into the bonded permit area.

Analysis

The operator must provide sediment control, during and after construction, for all proposed reclamation. The Coarse Refuse Toe Pond and work pad must be included in the MRP small area exemption discussion.

The operator must address requirements of UMC 782.15, Right-of-Entry and Operation Information. (See comments under UMC 782.15 in the Coarse Refuse Expansion ICR dated June 19, 1987.)

The operator must commit to reclaiming the Coarse Refuse Toe Pond as specified in the MRP.

Recommendations

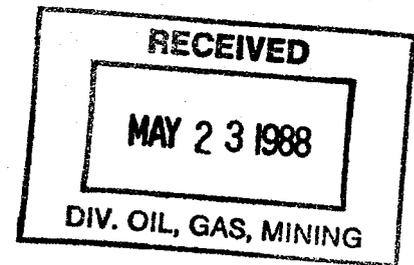
The Division should not approve the Incidental Boundary Change until the operator has responded to the above concerns.

as
cc: B. Stettler
0798R/41

Attachment

**KAISER
COAL**

KAISER COAL CORPORATION
Sunnyside Coal Mines
P.O. Box 10
Sunnyside, Utah 84539
Telephone (801) 888-4421



May 19, 1988

Mr. John J. Whitehead
Permit Supervision/
Reclamation Hydrologist
Division of Oil, Gas & Mining
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203

Dear Mr. Whitehead:

Per our telephone conversation of May 10, 1988, the purpose of this transmittal is to submit for your approval an incidental boundary change. The area in question is illustrated on the enclosed Drawing B4 0076. The area to be annexed to the disturbed area permit is less than .1 acres.

The need to annex this small parcel is to facilitate the abatement of NOV 88-26-9-1, issued on February 17, 1988. The issuance of the above NOV was due to a plugged culvert located at the base of the existing coarse refuse pile. The culvert's function is twofold:

1. A diversion structure to control runoff from a given area.
2. To pass effluence from the historical seep at the base of the coarse refuse pile.

The area around the inlet of the culvert is quite marshy and will not support heavy equipment needed to unplug the inlet of the culvert. Kaiser proposes, as a last-resort effort, to push dirt out into the marshy wash to form a solid pad, so the inlet of the culvert can be reached with a backhoe. All previous attempts to locate the plugged culvert failed.

The dirt used would be from the embankment which separates the old coarse refuse toe pond from the wash. This is also illustrated on the enclosed drawing. After the culvert is unplugged, the affected area in the wash will be cleaned out. Reclamation of the newly disturbed area and the old CRT pond will be scheduled for ~~interim~~ reclamation and completed by November, 1988.

For your review, the enclosing drawing of the area to be reclaimed shows the area prior to the disturbance and the projected reclamation work to be performed. In brief, the present embankment which separates the wash

Brent

Mr. John J. Whitehead
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from the old CRT Pond will be pushed southward against the existing hillside. The newly formed slope will not be greater than a 2:1 ratio. An approved method of reclaiming and the approved final reclamation seed mix will be employed such as discussed in Kaiser's MRP. If a more detailed plan is required, please advise.

As always, your timely response is appreciated.

Sincerely,



B. Grosely
Mine Engineer

BG:th

cc: Lowell Braxton
Bill Balaz
Carl Winters

Enclosure



June 2, 1988

TO: John Whitehead, Permit Supervisor
FROM: Brent Stettler, Reclamation Biologist *Brent*
RE: Abatement Plan for NOV 88-26-9-1, Kaiser Coal Corporation,
Sunnyside Mine, ACT/007/007, Folder #5, Carbon County, Utah

On May 17, 1988, Sunnyside Mine submitted a plan for abatement of NOV 88-26-9-1. The plan calls for the clearing of a culvert which had created a marshy wash below the coarse refuse toe pond (CRT pond). Vegetation is to be disturbed and earth moved in order to fill the wash and recontour slopes. Reclamation of new disturbance and the old CRT pond is scheduled to be completed by November 1988.

I was asked to review the plan from a reclamation perspective, noting the approved seed mix and reclamation methodology.

The plan implies that newly formed slopes may approach 2H : 1V. On slopes as steep as those proposed, the Division recommends that the seedbed be roughened to reduce erosion and improve water catchment for better plant establishment.

Seeding and mulching should be delayed until late fall. Reclamation success is best assured when planting immediately precedes the onset of winter.

The Sunnyside Reclamation Plan (MRP, Book I, Chapter III, page 57-61) commits to the use of a hydroseeder on steeper slopes. Seed will be applied in a water slurry. Mulch shall be applied and tacked in a separate step, according to methods described on page 61. On gently sloping or flat surfaces, a seed drill may be used.

The approved interim seed mix (Table III-49) must be used. Seed shall be hydroseeded at a rate of 22 lbs PLS/acre or drill-seeded at 15 lbs PLS/acre.

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