



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

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TO: Internal File

FROM: Wm. J. Malencik, Reclamation Specialist, Project Team Lead *Sm*

RE: River Gas Corporation Access Road, Plateau Mining Corporation, Star Point Mine, ACT/007/006-AM00A

SUMMARY:

River Gas contacted Star Point about the need to upgrade an existing road. A meeting was held on June 29, 1999. At that meeting, there were certain conclusions agreed to subject to a review by the group and DOGM. No comments were received. Therefore, the milestone positions covered in the memo are as follows:

- 1) The existing road meets Star Point's needs. Under the circumstances, they don't need any changes to the existing road. The need for a road change is solely generated by River Gas.
- 2) The existing road does not meet River Gas' needs and River Gas has agreed to realign the existing road and submit the amendment through Star Point.
- 3) A stream alteration plan has been prepared by River Gas and it has been submitted to the State Engineer's office for processing.
- 4) This existing road is a cooperative venture between River Gas and Star Point mine. All private land owners that the road provides access is also aware of these arrangements.
- 5) Jean Semborski stated this road will be added to the county road system.
- 6) Under the circumstances, the action by Star Point Mine is to delete the "road" in question from the MRP. They will be responsible for the road that comes off the realigned road to sediment pond #4.

TECHNICAL MEMO

The administrative findings applicable to this amendment include a completeness review of soils, hydrology, maps and plans, mining operations and facilities, reclamation, and it does not require a public notice. Analysis and findings are included for only those items that are applicable to this amendment.

ENVIRONMENTAL RESOURCE INFORMATION

Regulatory Reference: Pub. L 95-87 Sections 507(b), 508(a), and 516(b); 30 CFR Sec. 783., et. al.

PERMIT AREA

Regulatory Requirements: 30 CFR Sec. 783.12; R645-301-521.

Analysis:

The amendment includes two small areas. One realigned portion of Road "F" lying in the disturbed area and another portion lying in the undisturbed area. Please refer to map 521-121C.

Findings:

This is a pre-SMCRA road that was constructed and comes off of county road 290 and exits near Price, Utah. The road is listed as Road "F" and should have never been included in the approved MRP. Several years ago when the mine revised the MRP, Road "F" was erroneously listed. Nevertheless, Road "F," as shown on page 500-70 remains. However, Star Point's initial action is to delete the road.

My recommendation is the road to the sediment pond is included as an ancillary road. Road "F" accesses private lands and the amendment road fulfills River Gas' need. The road is a non-SMCRA road and should never have been included in the MRP. The road to sediment pond #4 comes off this road. It is not involved in this amendment and this road is the responsibility of the Star Point mine.

OPERATION PLAN

MINING OPERATIONS AND FACILITIES

Regulatory Reference: 30 CFR Sec. 784.2, 784.11; R645-301-231, -301-526, -301-528.

TECHNICAL MEMO

Analysis:

Facilities and Structures

- 1) Remove concrete ford and replace with a designed 72" culvert. The sediment pond drainage will be reclaimed below where an 18" culvert will divert the flow into the main channel.
- 2) Remove sediment traps 18 and 19. The road ditch with a sloping road bed to the ditch will provide the sediment control for sediment trap #19. Gravel for stabilization and sediment control will be utilized in the ditch. On sediment trap #18, this is not needed. The area is vegetated and currently reports to sediment pond #7.

Findings:

The amendment meets the requirements of the applicable Utah Coal Rules.

TOPSOIL AND SUBSOIL

Regulatory Reference: 30 CFR Sec. 817.22; R645-301-230.

Analysis:

The River Gas application to realign the road as previously mentioned involves a disturbed area and an undisturbed area. The soils if determined by the Division is worthy of harvesting, it will be harvested and utilized on the reclaimed road. On the undisturbed portion, the soils are in place since the area is classified as undisturbed.

Findings:

The amendment meets the requirements of the foregoing Utah Coal Rules.

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.

TECHNICAL MEMO

Analysis:

Diversions

On sheet 2 of 3 of the proposed road alignment, it shows the main culvert. This culvert will replace the stream ford. The culvert as shown on sheet 1 of 2 is a 72" culvert. It is also included in the stream alteration plan that is being processed by the State Engineer's Office. This culvert will remain per understandings with Star Point and River Gas.

A second culvert 18" in diameter will divert the runoff from sediment pond #4. This is also shown on sheet 1 of 2. The remaining ditch below this culvert will be reclaimed.

Findings:

The runoff calculations and the ditch and culvert sizing meet the requirements of the foregoing Utah Coal Rules.

MAPS, PLANS, AND CROSS SECTIONS OF MINING OPERATIONS

Regulatory Reference: 30 CFR Sec. 784.23; R645-301-512, -301-521, -301-542, -301-632, -301-731, -302-323.

Analysis:

Affected Area Maps

SURFACE FACILITIES MAP - Map 521.121C
RECLAMATION & WATERSHEDS & DIVERSIONS MAP - Map 761C
SURFACE WATER AND SEDIMENTATION CONTROL FACILITIES - Map 731-720b
SURFACE WATER AND SEDIMENTATION CONTROL FACILITIES - Map 731-720e
PROPOSED ACCESS ROAD ALIGNMENT - Sheet 1 of 3
PROPOSED ACCESS ROAD ALIGNMENT - Sheet 2 of 3
PROPOSED ACCESS ROAD ALIGNMENT - Sheet 3 of 3

The seven maps described above contain the required information.

Findings:

The maps have been reviewed and all maps meet the Utah Coal Rules.

TECHNICAL MEMO

RECLAMATION PLAN

ROAD SYSTEMS AND OTHER TRANSPORTATION FACILITIES

Regulatory Reference: 30 CFR Sec. 701.5, 784.24, 817.150, 817.151; R645-100-200, -301-513, -301-521, -301-527, -301-534, -301-537, -301-732.

Analysis:

The Star Point reclamation plan does not call for the road to be reclaimed. It is intended to remain and provide historical access. Please refer to the topsoil portion for topsoil requirements. The unused road will be ripped, both the disturbed and the undisturbed. The existing unused road will be regraded and roughened. Seeding with the current mix as specified in the Star Point plan or other arrangements approved by the Division. The seed mix must be a permanent seed mix.

Findings:

The amendment meets the requirements of the Utah Coal Rules.

HYDROLOGIC INFORMATION

Regulatory Reference: 30 CFR Sec. 784.14, 784.29, 817.41, 817.42, 817.43, 817.45, 817.49, 817.56, 817.57; R645-301-512, -301-513, -301-514, -301-515, -301-532, -301-533, -301-542, -301-723, -301-724, -301-725, -301-726, -301-728, -301-729, -301-731, -301-733, -301-742, -301-743, -301-750, -301-751, -301-760, -301-761.

Analysis:

Sediment Control Measures

The reclamation plan has been prepared with the understanding that the concrete ford and the two sediment traps will be reclaimed.

A designed 72" culvert will replace the concrete ford. Another 18" culvert will direct runoff to the main channel and the ditch below will be reclaimed.

In lieu of sediment trap #19, gravel in the ditch will provide the sediment control. On sediment trap #18, the drainage currently reports to an existing sediment pond (#7) and is not needed.

TECHNICAL MEMO

Findings:

The amendment meets the requirements of the Utah Coal Rules.

RECOMMENDATIONS:

My recommendations are as follows:

- 1) The current MRP classifies Road "F" as an ancillary and Star Point's first action is to remove the road from their MRP. The road to the sediment pond that comes off the realigned road is the mine's responsibility.
- 2) The current Road "F" meets Star Point's needs.
- 3) The current Road "F" does not meet River Gas' projected needs.
- 4) Since the proposal made in June of 1999 has been closely followed, in the instant amendment, no comments was received from any parties. I recommend the amendment be approved.