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

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August 24, 2000

TO: Internal File

FROM: Michael Suflita, Sr. Reclamation Specialist & Team Lead *MS*

RE: Connelville Development Tract (Interim), Canyon Fuel Company, LLC, Skyline Mine, ACT/007/005-IB00C

SUMMARY:

On August 17, 2000 the Division receive a submittal to add 28 acres to the permit area. This Tech Memo is a response to that submittal. There are no deficiencies and the amendment can be approved.

TECHNICAL ANALYSIS

HYDROLOGIC RESOURCE INFORMATION

Regulatory Reference: 30 CFR Sec. 701.5, 784.14; R645-100-200, -301-724.

Analysis:

Development mining has shown the Connelville Fault is farther east than previously thought. As a result the development mining will cross the township line and go off the south boundary of the Permit Area much sooner than expected. This submittal is only for development mining and construction of a longwall set-up room and, importantly, no subsidence is anticipated.

Sampling and Analysis

Sampling and analysis of surface and ground water samples is according to the same methods and parameters as has been approved in the base MRP.

TECHNICAL MEMO

Ground-water Information

The submittal designates two new spring monitoring points. These are designated 2-413 and 3-290. Point 2-413 is located adjacent to the new area and provides needed monitoring at the south end of the permit area. While 2-413 is adequate, there's a more suitable spring for monitoring further down James Canyon. Although approved for this submittal, the UP&L Tract will probably require this better monitoring point. Point 3-290 is located across the canyon from James Creek and serves as a comparison to point 2-413 as well as establishing baseline should that area be mined under in the future. In addition, well W2-1 (98-2-1) is added to the monitoring program. This is located near the new area also. Baseline data for these three monitoring points was submitted as part of Appendix A-1, Hydrology. They have been monitored according to the same time schedule and parameters as the original MRP. They provide adequate baseline data for this amendment.

Surface-water Information

This submittal does not have any additional stream monitoring. For these conditions of no subsidence, this is adequate. Added stream monitoring will be added to the UP&L tract and that will be appropriate.

Probable Hydrologic Consequences Determination

The Probable Hydrologic Consequences will not be affected by this proposal.

Findings:

The submittal meets minimum regulatory requirements.

OPERATION PLAN

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.

Analysis:

Ground-water Monitoring

The submittal designates two new spring monitoring points. These are designated 2-413 and 3-290. Point 2-413 is located adjacent to the new area and provides needed monitoring at the south end of the permit area. While 2-413 is adequate, there's a more suitable spring for monitoring further down James Canyon. Although approved for this submittal, the UP&L Tract will probably require this better monitoring point. Point 3-290 is located across the canyon from James Creek and serves as a comparison to point 2-413 as well as establishing baseline should that area be mined under in the future. In addition, well W2-1 (98-2-1) is added to the monitoring program. This is located near the new area also. Baseline data for these three monitoring points was submitted as part of Appendix A-1, Hydrology. They are to be monitored according to the same time schedule and parameters as the original MRP.

Surface-water Monitoring

This submittal does not have any additional stream monitoring. For these conditions of no subsidence, this is adequate. Added stream monitoring will be added to the UP&L tract and that will be appropriate.

Findings:

The submittal meets minimum regulatory requirements.

RECLAMATION PLAN

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:

The 28 acre area added to the permit area will not be subsided and will not require any reclamation.

TECHNICAL MEMO

Casing and Sealing of Wells

Well W2-1 will be sealed as described in the Mining and Reclamation Plan.

Findings:

The submittal meets minimum regulatory requirements.

RECOMMENDATION

The submittal can be approved.

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