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

#2

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TO: Daron Haddock, Permit Supervisor *DARH*
FROM: Wayne H. Western, Reclamation Engineer *WHW*
DATE: May 20, 1994
RE: Alternate Borrow Sites, Hiawatha Mine, U.S. Fuel Co.,
ACT/007/011

R645-301-533.100

Synopsis of Proposal:

In Area F, no embankments will be constructed so this deficiency does not apply.

Analysis:

The depressions are all small and incised. Slope failure is unlikely. Should slope failure occur, the result would be insignificant.

Recommendation

Approve the proposal.

R645-301-533.330

Synopsis of Proposal:

The use of small depressions and silt fencing in Area F will not subject this area to the effects of sudden drawdown.

Analysis:

It is unlikely that the depressions would be subjected to sudden drawdown. Even if sudden drawdown did occur, there would be no significant damage to the environment or human safety.

Recommendation:

Approve the proposal.



R645-301-540 through 542.100

Synopsis of Proposal:

In Area F, the silt fencing will be removed when the vegetation has been established to the point that the fencing is no longer needed to control erosion. Or at the end of the 10-year reclamation period, established to the point where the fencing is no longer needed to control erosion. The silt fencing will be removed by hand, thus there will be no disturbance to the site. It is proposed that the small depressions remain permanently. The regulations allow the use of such permanent depressions in R645-301-552.100

Analysis:

The silt fences are minor structures that will be removed when vegetation has been established or at the end of the 10 year reclamation period. The Operator's commitment to remove the silt fence is sufficient.

The small depressions are permanent structures that will be eventually filled. No reclamation timetable is needed for the depressions.

Recommendations:

Approve the proposal.

R645-301-542.200

Synopsis of Proposal:

As requested, a cross-section that depicts the slopes of the alternative borrow area is included in Appendix VII-10.

Analysis:

The cross-sections show the slopes of the borrow areas. They appear to be adequate. No more information is needed at this time.

Recommendations:

Approve the proposal.

R645-301-542.800

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Synopsis of Proposal:

The use of permanent depressions, instead of sediment ponds, reduces the total reclamation cost. The Operator does not seek a bond reduction.

Analysis:

The current bond is sufficient to cover the reclamation costs for the alternative borrow site.

Recommendations:

Approve the proposal.