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February 3, 1998

TO: File

THRU: Daron Haddock, Permit Supervisor
Joe Helfrich, Permit Supervisor

FROM: Sharon Falvey, Senior Reclamation Hydrologist SKF

RE: Wellington Operation Plan Borrow Area, 1/28/98, and 1/20/98, Nevada Electric Investment Company, Wellington Preparation Plant, ACT/007/012 97-G#3, Folder #2, Carbon County, Utah

SUMMARY:

This amendment was submitted to provide the topsoil borrow for best and worst case reclamation scenarios.

TECHNICAL ANALYSIS:
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:

Drainage

The plan provides a reclamation plan for final configuration on drawing E9-3342, Sections 3.41 and Section 7.28. This figure in conjunction with cross section drawings 2.41; A-1 and A-2; B-1 and B-2; C-1; and D-1; show the proposed worst case scenario. The configuration for borrow areas E show the existing land surface will be lowered by 6.5 ft. The existing channel flow line for the Siaperas Ditch will be lowered 2.3 feet from 5375.7 to 5373.3 on the east and will retain the existing flow line elevation at the west end. The channel gradient will be changed for area D. The final flow line increases the gradient to 2% between the base elevation and the

existing natural drainage. Channel designs for depth of flow and velocity must be submitted for the changes in channel gradient and channel side slope for the Siaperas ditch and the Permanent Diversion. If necessary riprap or other stabilizing design feature should be provided. A design for the transition from the natural channel 0.4% to the steepened gradient needs to be submitted.

Sediment Control Measures

No discussions or provisions for sediment control measures were provided for borrow areas E or area D for the worst case scenario provided on drawing E9-3342, and described in Sections 2.41 and Section 7.28.

Findings:

The permittee must provide the following for incorporation into the plan:

R645-301-742.200. Provided sediment control measures for borrow areas E and D.

R645-301-742.300. Provide diversion designs for the channel slope and channel configuration proposed with for the Siaperas Ditch and the Permanent Diversion Ditch. Provide a design for the transition from the natural channel 0.4% to the steepened gradient in area D.

Recommendation:

It is recommended the above items be provided prior to approval of this amendment.

cc: Paul Baker
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