

0027



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

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April 14, 1998

TO: File

THRU: Joe Helfrich, Permit Supervisor *JH*

FROM: Sharon Falvey, Reclamation Hydrologist *SFE*

RE: Technical Analysis N98-41-2-1, Nevada Electric Investment Company, Wellington Preparation Plant, ACT/007/012-98C, Folder #2, Carbon County, Utah.

SYNOPSIS:

The information submitted on April 8, 1998 included maps and calculations to modify the previously approved drainage design in response to violation N98-41-2-1. In addition, the permittee submitted information from the slug tests performed on wells GW-15A, GW-15B and GW-16 as well as making changes to the section covering sedimentation ponds.

TECHNICAL ANALYSIS:

HYDROLOGIC INFORMATION

Regulatory Reference: R645-301-700.

The proposed amendment includes drawing T1-9597. A supplement to Watershed 7 and text changes for drainage at the Covol Wash Plant.

Changes were included on page 1b that reduce the number of sedimentation ponds at the site. **These were not identified as highlighted changes in the application.** If the permittee wishes to remove the other two ponds at the site, or change their title from sedimentation pond to an Alternate Sediment Control Measure, then this change should be included in the permit application form under a separate amendment.

The drainage from CVL-D5 needs to be redirected toward the refuse or, the sediment control measures for the area south east of the county road needs to include this drainage. The drainage from CVL-5 and the flotation pad area appears to drain to the existing county culvert under the road. This potential flow direction was verified in a discussion with Paul Baker. He indicated that evidence that some water has traveled from the pad area to the existing county culvert during inspections. The designs for drainage CVL-D3 needs to extend the full length down the waste pile to the slurry pond. The map needs to be certified.

Findings:

This amendment does not meet the minimum requirements of the regulations. The permittee must provide the following in accordance with the requirements of the regulations:

R645-301-120. Provide a clear and concise permit filed in the format required by the Division that meet the R645 regulations including:

- The drainage from CVL-D5 needs to be redirected toward the refuse or, the sediment control measures for the area south east of the county road needs to include this drainage.
- The designs for drainage CVL-D3 needs to extend the full length down the waste pile to the slurry pond.
- The map needs to be certified.

Recommendations:

It is recommended that this permit amendment be denied and returned in full to the permittee. It is recommended that management call and remind the permittee of our procedural requirements in reference to the issues presented in the technical analyses.

It is recommended that page 3a (well slug tests) and 1a (sediment pond changes) be separated from this amendment. Additional information including the data from the slug test and the analyses from the Aqtesolv model needs to be submitted with that amendment to meet the requirements of R645-301-130.