

0015



State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

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August 22, 1991

TO: Pamela Grubaugh-Littig, Permit Supervisor

FROM: Jess Kelley, Reclamation Engineer *JK*

RE: Operator Submittal of Material for Fulfillment of Five-Year Renewal Permit Conditions, PacifiCorp Electric Operations, Des-Bee-Dove Mine, ACT/015/017, Folder 33, Emery County, Utah

SYNOPSIS

On May 31, 1991, the Division renewed this permit for another 5-year period. Attached to this permit, however, were a number of conditions, eight (8) of which fell under the R614-301-500 engineering rules.

On August 15, 1991, the permittee submitted to the Division maps and revised text to fulfill the conditions according to the terms of the approved permit. This memorandum constitutes this writer's analysis and approval of those parts of the permittee's submittal which deal with the 8 engineering conditions.

ANALYSIS

Condition 1:

This condition required that the permittee commit to conducting quarterly inspections of the sediment pond, in accordance with R614-301-514.300.

The permittee has fulfilled this condition by committing to conduct quarterly sediment pond inspections. This commitment is found on revised page 3-20.

Page 2
Memo/Jess Kelley
ACT/015/017
August 22, 1991

Condition 2:

This condition required that the permittee commit to having the sediment pond inspections required under Condition 1 certified by a professional engineer, as required by R614-301-514.312. The permittee was also required by this condition to send a copy of each inspection report to the Division.

The permittee has fulfilled this condition by committing, on revised page 3-20, to having each quarterly sediment pond inspection report certified by a qualified registered, professional engineer and to sending a copy of each report to the Division.

Condition 3:

The permittee was required by this condition to have the sediment pond certified annually by a professional engineer and to include a copy of this certification in the Annual Report, in accordance with R614-301-514.311 (as rewritten September 26, 1990.)

The permittee has fulfilled this condition by committing, on revised page 3-20, to having the sediment pond certified annually by a qualified registered, professional engineer and to including a copy of this certification in the Annual Report.

NOTE: Conditions 4 through 8 were agreed to in a May 29, 1991 meeting by the writer and Pamela Grubaugh-Littig, representing the Division, and J. Blake Webster, Val Payne, and Jerry Pollock, representing the permittee.

Condition 4:

This condition required that Map 3-10 "Existing Reclamation Map", sheet 2, be modified to accurately show the anticipated final surface configuration of the present earthen fill structures. Map 4-1 previously showed that the various earthen structures would be completely removed during final reclamation. The permittee's intent, however, is to modify the structures but not completely remove them.

The permittee has fulfilled this condition by correcting the final reclamation topography as shown on Map 4-1, sheet 2.

Page 3
Memo/Jess Kelley
ACT/015/017
August 22, 1991

Condition 6:

This condition required that Map 4-1 "Final Reclamation Map", sheet 5, be modified to correspond to Map 3-10. That is, the map is to show which areas are to receive and which are to contribute fill material during final reclamation.

The permittee has fulfilled this condition by appropriate modifications to Map 4-1, sheet 5. As on Map 3-10, those areas which are to receive fill material are shown by a polka dot pattern while those from which fill material will be removed are crosshatched.

Condition 7:

This condition required that the permittee add accurate cross sections of the bathhouse/warehouse pad to Map 4-1 "Final Reclamation Map", sheet 4. These added cross sections were to demonstrate that there is sufficient material available to backfill the bathhouse/warehouse pad as planned in final reclamation.

The permittee has fulfilled this condition by including sufficient cross sections of the bathhouse/warehouse pad on Map 4-1, sheet 4. These cross sections are also located on Map 4-1, sheet 2. A planimeter check of these cross sections made by this writer verifies that they demonstrate the presence of adequate material for the anticipated final reclamation earthwork.

Condition 8:

This condition required that the earthwork quantities, summarized on page 4-6 and elsewhere in the plan, be corrected to accord with the new cross sections added under Condition 7.

The permittee has fulfilled this condition by appropriate modifications to page 4-6. The changes have also been incorporated into the reclamation cost estimate on pages 4-102, 4-103, 4-111, 4-115, and 4-125, but the resulting change in reclamation cost is minuscule and, therefore, no change in the bond amount is necessary. A planimeter check of the recalculated volumes made by the writer shows them to be accurate, well-founded, and in accord with the modified maps.

Page 4
Memo/Jess Kelley
ACT/015/017
August 22, 1991

RECOMMENDATION

The operator has fulfilled the eight (8) conditions that fall under R614-301-500 very well. It is recommended that the maps and text submitted in pursuance of the eight (8) conditions be approved and included as part of the Mining and Reclamation Plan (MRP).

mbm
cc: J. Blake Webster
Val Payne
Henry Sauer, DOGM
Document: AT015017.DBD