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State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

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Governor

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355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
801-538-5340

January 10, 1992

To all Operators

Dear Operator:

Re: Submittal of Annual Report for 1991, Company Name, Mine Name, Permit Number,
Folder #2, County, Utah ^{ACT 1051017}

Enclosed please find the annual report information sheet and 1991 monitoring report to be submitted for the above noted mine(s). I have enclosed what I believe is a current list of outstanding permit stipulations, conditions, and Division Orders for your operation. Please review this list to ensure timely resolution of outstanding issues.

Please submit all of the information by March 31, 1992.

If you have any questions, please call me.

Sincerely,

A handwritten signature in cursive script, appearing to read 'L. Braxton'.

Lowell P. Braxton
Associate Director, Mining

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Enclosures

cc: D. Haddock
P. Grubaugh-Littig

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ATTACHMENT A

CONDITION R614-301-233-(1) (HS) done

Within 45 days of permit renewal, the permittee must submit analyses of the five major fills within the mine area to include sampling procedures outlined on pages 4-100 through 4-102 and provide documentation of the depth of the soil mantle atop the coal waste within the tipple area.

Additionally, for the haul road between stations 165+00 through 243+18, the permittee must identify a borrow site and provide necessary information for the development and reclamation of the site or conduct field site trials to demonstrate the suitability of the Des-Bee-Dove Haul Road fill material as a plant growth medium for final reclamation.

CONDITION R614-301-514.300-(1) (JK) done

Within 45 days of permit renewal, the permittee must provide, for inclusion in the Operation Plan, a commitment to do the following:

- 1) Inspection of the sediment pond quarterly, either by a professional engineer or else by a specialist experienced in the construction of impoundments (514.310);
- 2) Certification of the quarterly report promptly after each inspection by a qualified, registered, professional engineer and to send a copy of the report to the Division (514.312); and
- 3) Annual certification of the sediment pond by a qualified, registered, professional engineer and inclusion of the certification in the Annual Report.

CONDITION R614-301-542.300-(1) (JK) done

Within 45 days of permit renewal, the permittee must revise and submit the following text and maps for inclusion in the PAP:

- 1) Map 3-10 (Existing Earthen Structures) must be modified to show, by shading, those areas which are used in estimating volumes of material which will contribute to the backfilling of highwalls, portal faceups, and the bathhouse/warehouse cut. This map must also show, by

crosshatching, highwalls, portal faceups, and other areas which will receive fill material.

- 2) Map 4-1 (Final Reclamation Map), sheet 2, must be modified to accurately show the anticipated final surface configuration of the present earthen fill structures.
- 3) Map 4-1 (Final Reclamation Map), sheet 5, must be modified to correspond to Map 3-10, i.e., it must show those areas that will receive and those that will contribute fill material with the same shading and crosshatch scheme used on Map 3-10.
- 4) Accurate cross-sections of the bathhouse/warehouse pad must be added to Map 4-1 (Final Reclamation Map), sheet 4. These cross sections must demonstrate that there is sufficient material available at the edge of the bathhouse/warehouse pad to completely backfill the pad, when that material is combined with the material that will be contributed by the other fill structures.
- 5) Earthwork quantities summarized on page 4-6 must be modified to verify the recalculated volume estimates as a result of the map and cross section changes.

CONDITION R614-301-728-(1) (TM)

more info due 1/31/92

Within 45 days of permit renewal, the permittee must submit a detailed plan for inclusion in the PAP, as to how the following information from the proposed test plots will be achieved, based on the following requirements:

- | | |
|----------------|---|
| <u>728.331</u> | Predicted sediment yield from the reclaimed haul road area; |
| <u>728.332</u> | Acidity, total suspended and dissolved solids and other important water quality parameters of local impact from the impact of coal mining and reclamation operations; and |
| <u>728.335</u> | Characterizations required by the Division for the test plots which must include: |

- 1) Application methodology assessment for hydromulch (i.e., treatment method-soil prewetted prior to application to allow for better absorption of stabilizers) and other treatments, implying different methods of application must be tried and evaluated;
- 2) Soil bed preparation (roughness of seedbed) in relation to erosion control; and
- 3) Runoff collection on test plots to determine water quality (i.e., TDS and TSS).

CONDITION R614-301-731-(1) (TM) *more info due 1/31/92*

Within 45 days of permit renewal, the permittee must submit technically adequate plans, for inclusion in the PAP, for sediment control (BTCA) on all areas not being treated by the sediment pond during reclamation. The PAP must include all sediment control measures and siltation measures with design criteria, cross-sections and maps as required by rule R614-301-742.110, Sediment Control Measures.

CONDITION R614-301-731.121-(1) (TM) *more info due 1/31/92*

Within 45 days of permit renewal, the permittee must submit a detailed BTCA plan as an appendix to the PAP which specifically addresses the following issues (this is required in addition to the current plan, to use contour furrows and berms as shown on Plate 4-1, sheet 3 of 5):

- 1) A plan for providing sediment control during construction and following construction of all stream crossings and culvert removal sites where permanent diversions will be installed;
- 2) A revised and upgraded plan for the contour furrows and berms as shown on Plate 4-1, sheet 3 of 5 to address the runoff storage capacity of these BTCA measures in relation to the 10-year, 24-hour storm runoff volume. This will verify the treatments' effectiveness in providing treatment for all areas not draining to the sediment pond. This must be included in a BTCA Appendix showing all areas treated with BTCA measures other than sediment ponds; and

- 3) The assessment of the runoff water quality must be included as a design criteria for the test plot study. The data must be interpreted and included as part of the BTCA appendix upon submittal following test plot implementation. The plan must identify the surface water quality and quantity parameters to be monitored, sampling frequency and site location.

CONDITION R614-301-731.700-(1) (TM) *more info due 1/31/92*

Within 45 days of permit renewal, the permittee must submit certified cross-sections of the sediment pond and certify maps HM-1 and HM-5 per the requirements identified in R614-301-731.730, R614-301-731.740 and R614-301-731.750.

CONDITION R614-301-742.220-(1) (TM) *more info due 1/31/92*

Within 45 days of permit renewal, the permittee must provide drawings (Appendix VIII) that provide consistent information regarding the sediment pond. Three as-built drawings in Appendix VII provide three different pond bottom elevations. Page 3-54 of the PAP states five feet of clearance between a full sediment load elevation and the decant elevation. None of this information is in agreement (drawing #01-52-1-015 was revised on February 24, 1989 and October 1, 1984, to show as-built plans).

In addition to accurate as-built drawings and cross-sections being provided, the following information must also be submitted:

- 1) Sediment levels and clean-out elevations marked on all cross-sections (cross-sections are not marked as-built and certified);
- 2) Decant and clean-out procedures and a sediment testing and storage plan per Division guidelines;
- 3) A discussion of how sediment levels are determined to meet the 60% clean-out elevation determination; and
- 4) Calculations to prove that the open channel spillway is of nonerodible construction and capable of maintaining sustain flows. Riprap sizing calculations for the spillway must be included in Appendix VIII.

CONDITION R614-301-742.300-(1) (TM)

Within 45 days of permit renewal, all hydrologic calculations for existing hydrologic structures at the Des-Bee-Dove Mine site must be submitted for inclusion in the PAP.

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