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STATE OF UTAH
DIVISION OF OIL, GAS AND MINING

PERMITTEE

Blake Webster
Cottonwood/Wilberg Mine
PacifiCorp Electric Operations
One Utah Center, Suite 2100
210 South Main
Salt Lake City, Utah 84140-0021

ORDER & FINDINGS
of
PERMIT DEFICIENCY

PERMIT NUMBER ACT/015/019
DIVISION ORDER # DO-91B

PURSUANT to R614-303-212, the DIVISION ORDERS the PERMITTEE, PacifiCorp Electric Operations, to make the permit changes enumerated in the findings of permit deficiency in order to be in compliance with the State Coal Program. These findings of permit deficiency are to be remedied in accordance with R614-303-220.

Findings of Permit Deficiency

The following items are considered permit deficiencies:

1. Positive drainage on the top of the refuse pile, i.e. crown the top of the refuse pile.
2. Controlled drainage off the refuse pile
3. Establish a lower and upper diversion.
4. Reconsider other alternative for sediment material storage.
5. Evaluate the stability of the refuse pile where it interfaces with sediment pond.
6. Evaluate the size and functions of the terraces in relation to drainage.

Regulation Citation

- (1) Coal Mine Waste
746.120 Coal mine waste will be placed in a controlled manner to minimize adverse effects of leachate and surface water runoff on surface and ground water quality and quantity.

(2) Refuse Pile
746.212

Uncontrolled surface drainage may not be diverted over the outslope of the refuse pile. Runoff from areas above the refuse pile and runoff from the surface of the refuse pile will be diverted into stabilized diversion channels designed to meet the requirements of R614-301-742.300 to safely pass the runoff from a 100-year, 6-hour precipitation event. Runoff diverted from undisturbed areas need not be commingled with runoff from the surface of the refuse pile.

746.221

Slope protection will be provided to minimize surface erosion at the site. All disturbed areas, including diversion channels that are not riprapped or otherwise protected, will be revegetated upon completion of construction.

746.222

No permanent impoundments will be allowed on the completed refuse pile. Small depressions may be allowed by the Division if they are needed to retain moisture, minimize erosion, create and enhance wildlife habitat, or assist revegetation, and if they are not incompatible with stability of the refuse pile.

746.330

Drainage control. Runoff from areas above the disposal facility or runoff from the surface of the facility that may cause instability or erosion of the impounding structure will be diverted into stabilized diversion channels designed to meet the requirements of R614-301-742.300 and designed to safely pass the runoff from a 100-year, 6-hour design precipitation event.

(3) Backfilling and Grading

553.251

The final configuration for the refuse pile will be suitable for the approved postmining land use. Terraces may be constructed on the outslope of the refuse pile if required for stability, control of erosion, conservation of soil moisture, or facilitation of the approved postmining land use. The grade of the outslope between terrace benches will not be steeper than 2h:1v (50 percent).

- (4) Sediment Pond, Disposition of Cleanout Material
742.220 Sedimentation Ponds.

Permit Deficiency

- (A) The plan does not fully and/or clearly meet the requirements of the Utah Coal Mining Regulations cited herein on Pages 1 and 2, items (1), (2), and (3).
- (B) The approved temporary sediment storage area needs to be re-evaluated to determine if another site is available that would better enhance operations and be more compatible with the Utah Coal Mining Environmental Requirements.

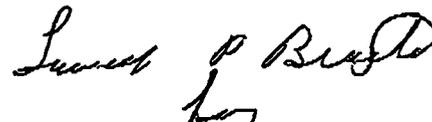
Information required to be submitted

- I. Submit revised plans to fully meet the requirements of the Utah Coal Mining Regulations and as specified herein on Page 1 and 2, items (1), (2), (3) and (4), and further described in the permit deficiencies, items (A) and (B).
- II. After plan approval by the Division, implement plans on the ground on a time table as specified in the plan approval.

Order

It is hereby ordered that PacifiCorp Electric Operations make the requisite permit changes in accordance with R614-303-220 and submit a complete application for permit change, addressing the findings of permit deficiency by no later than December 31, 1991.

Ordered this 25 day of December, 1991, by the Division of Oil, Gas, and Mining.



Dianne R. Nielson, Director
Division of Oil, Gas and Mining