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State of Utah

DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

Norman H. Bangerter
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April 26, 1991

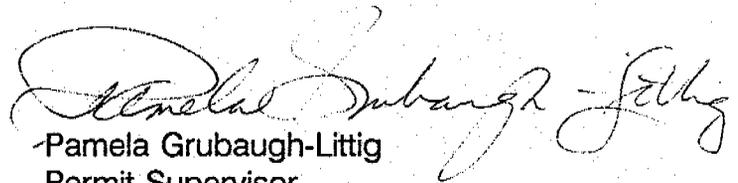
Mr. Blake Webster
PacifiCorp Electric Operations
Fuel Resources
P.O. Box 26128
Salt Lake City, Utah 84126-0128

Dear Mr. Webster:

Re: Surface Facilities Map, PacifiCorp Electric Operations, Cottonwood/Wilberg Mine, ACT/015/019, Folder #2, Emery County, Utah

Enclosed please find a memo outlining changes to update the maps for the Cottonwood/Wilberg Mine. Please submit the updated maps by May 31, 1991.

Sincerely,


-Pamela Grubaugh-Littig
Permit Supervisor

jbe

cc: Bill Malencik
Jesse Kelley

AT015019.4



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Copy Case, Tom

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April 9, 1991

TO: Pam Grubaugh-Littig, Permit Supervisor
FROM: Wm. J. Malencik, Reclamation Specialists *WJM*
RE: Cottonwood/Wilberg Surface Facilities Map (SFM)

SYNOPSIS

This is a follow-up to your request to field review and validate the aforementioned map. The map is dated 2/26/91.

On April 3, 1991 the undersigned accompanied by Guy Davis field reviewed the map and changes made by the permittee. Additional needed changes are shown herein under recommendations. In general the permittee did a good job in updating the map. In addition shall provide you feedback on other items relating to maps that were discussed without coming to any conclusions.

Findings and Recommendations:

1. Undisturbed ditch adjacent to Deer Creek ventilation portals was not shown even though the legend on the map shows surface drainage, both disturbed and undisturbed. However, this drainage is shown on the hydrology map.

Recommendation: In the interest of consistency, even though not required by regulation, the drainage in question be shown on (SFM).

2. A non-existent drop drain was deleted from the (SFM) and this map properly reflects conditions on the ground. The drop drain is on the upper storage yard and north and adjacent to the storage and diesel shop.

Recommendation: Delete the non-existent drop drain from the hydrology map. The hydrology map shows four drop drains instead of three. The drainage details on the hydrology and SFM should be consistent.

3. Area adjacent to the sub-station utilized for storage was not labeled as a storage yard.

Recommendation: Since other storage areas are designated on the (SFM) and in the interest of consistency the area in question should be labeled as a "Storage Yard".

4. Certification stamp is outdated.

Recommendation: Certification be updated to reflect the revisions made 2/26/91 and those noted therein.

Discussion:

Other discussions took place without any required changes. These centered on the following items:

- (1) For the purpose of permitting, inspection and enforcement, the permittee is required to have specific certified maps (R614-301-512). Details on what is required on the (SFM) are defined in UMC R614-301-512.120. Should the permittee add additional details to the (SFM) this is permissible. However, consistency must be maintained in order for the map to be accurate and have utility. For example, if the permittee depicts drainages on the (SFM) then is it mandatory that are drainage be shown on the hydrology map and vice versa? This might make map revisions more difficult; however, this is under the control of the permittee in terms that he is only required to show required details on each certified map. If he elects to show more detail then in my opinion he is responsible to maintain consistency and accuracy.
- (2) As a suggestion for automated map organization it would appear to me that:
 - (1) Only required items would be shown on each sepia, plate, or disk.
 - (2) Other items not required on certified maps would be shown on a separate sepia, plate, or disk and
 - (3) through automated techniques a composite map from various sources could be put together. This would eliminate need to change by hand each map that shows redundant information. Further, only required information would be shown on the certified maps.

In general the most valuable map at the present time at most mines is the (SFM) because it is a composite map. Believe by working together such a map can be maintained for the sake of field utility and still be accurate.