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

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November 16, 1999

TO: File

THRU: Pamela Grubaugh-Littig, Permit Supervisor pgl

THRU: Daron Haddock, Permit Supervisor DRH

FROM: Sharon Falvey, Reclamation Hydrologist SKF

RE: Permit Renewal, PacifiCorp, Trail Mountain Mine, ACT/015/009-RN99, Folder #2, Emery County, Utah

SYNOPSIS:

In a memo from Energy West Mining Company dated October 14, 1999 PacifiCorp requested the permit renewal consider the appropriateness of conditions in the current permit. I have reviewed the information presented by the applicant, at the request of Pamela Grubaugh-Littig, and I have included recommendations regarding the stipulations in the existing permit.

ANALYSES:

Stipulation #1

The operator requests permit stipulation #1 be removed on the basis that well TM-3 was developed in the Straight Canyon near DH-5. TM-3 was initially developed in the Star Point Aquifer, along the Straight Canyon Syncline west of the mine permit area, in September 1993. The operator met the requirements of stipulation #1.

Stipulation #2

The applicant indicates drilling horizontally ahead of the mining operations as mining moves toward the Straight Canyon Syncline is no longer applicable because the "3rd west mains will not be developed beyond the present location.

Initially well TM-3 was completed under pressure (artesian); however, the current water level is approximately 135 feet below the estimated collar elevation of 6750 feet. The water elevation in TM-3 has decreased since 1997. At well TM-3, the top of the Star Point/ Base of the Hiawatha is approximately 6150 ft. At the north west corner of the permit area, the Trail Mountain Hiawatha Seam Isopach Map shows the seam elevation at approximately 6400 to 6500 feet. The current water elevation at TM- 3 is 6597.00. Further mining toward the Syncline could result increased water discharge to the mine. Since 1997 monthly mine water discharge has increased from approximately 15 AF/month to 45 AF/month.

The existing plan does not contain information to substantiate the claim the operator makes in their letter. The letter indicates PacifiCorp does not intend to mine toward the Straight Canyon beyond the present location of the 3rd west mains, and full extraction mining will occur approximately 200 feet south of TMX-6, approximately 3000 feet away from the Roans Canyon Fault zone. On the bases that it is not the intention of PacifiCorp to mine toward the Straight Canyon syncline beyond the present location, drilling in advance of mining would not appear necessary.

Stipulation #3:

This condition was determined to be adequate by Pamela Grubaugh-Littig, Permit Supervisor as stated in the Division memo dated June 15, 1998.

Recommendation:

It is recommended that stipulations #1, and #3 be removed from the permit and that stipulation #2 be re-worded, as recommended by PacifiCorp, with the clarification that PacifiCorp does not intend to mine toward the Straight Canyon Syncline beyond the present location of the 3rd west mains, and full extraction mining will occur approximately 200 feet south of TMX-6, approximately 3000 feet away from the Roans Canyon Fault zone.

cc: Bill Malencik, PFO
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Winter Quarter 2000
CERTIFIED PUBLIC MANAGER PROGRAM
REGISTRATION FORM
(All information must be completed to ensure enrollment in the CPM Program)

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Name (As you would want it on a Certificate) **Social Security Number**

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Department **Division**

_____
Work Address **Phone**

Fund #	Agency #	Org #	Approp. Code	Object Code #	Activity	Reporting Category

Please indicate the government entity with whom you are employed.

☐ Federal ☐ State ☐ Local

Please indicate which course you are enrolling for and what day you prefer to attend. Factors such as class size may affect class availability. **Please note if ADA accommodations are required.**

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All sessions are a minimum of 12 weeks, 1 day each week, from 8:00 - 3:45.

Authorization Agreement:

In accordance with FLSA Rules and Regulations, study time, preparation time, test time and class participation is done during regular 8 hour work days. It is understood that this is a large commitment of time and effort and we are mutually committed to successfully completing the course work. Furthermore, it is anticipated that the skills acquired through participation in this course will be implemented and supported when the participant returns to the work environment.

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Supervisor's Signature **Participant's Signature**

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Supervisor's Name (Please print)
attention: CPM

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