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# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
Executive Director

### Division of Oil, Gas and Mining

JOHN R. BAZA  
Division Director

August 13, 2014

Kenneth S. Fleck, Manager of Geology and Environmental Affairs  
Energy West Mining Company  
P.O. Box 310  
Huntington, Utah 84528

Subject: Reduce Hydrologic Monitoring Sites, PacifiCorp, Deer Creek Mine C/015/0018  
Task ID #4603

Dear Mr. Fleck:

The Division of Oil, Gas and Mining (the Division) has completed its review of the proposed reduction in hydrologic water monitoring sites. The Division has identified deficiencies that must be addressed prior to final approval. The deficiencies are listed as an attachment to this letter.

The reduction in required water monitoring sites has been approved. However; upon review of the respective Mining and Reclamation Plans (MRPs) for the Cottonwood/Wilberg, Deer Creek and Trail Mountain Mine sites (relative to the hydrologic water monitoring plans), the Division finds that some clarification is needed. The Division will work with your staff to develop a reasonable approach to clearly and concisely present the water monitoring requirements for these facilities. Please resubmit the amendment by September 30, 2014.

If you have any questions, please feel free to contact Daron Haddock (801) 538-5325 or myself (801) 538-5350.

Sincerely,

Steve Christensen  
Permit Supervisor

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## Technical Analysis and Findings

### Utah Coal Regulatory Program

**PID:** C0150018  
**TaskID:** 4603  
**Mine Name:** DEER CREEK MINE  
**Title:** REDUCE HYDROLOGIC MONITORING SITES

### General Contents

#### Permit Application Format and Contents

##### *Deficiencies Details:*

The amendment does not meet the Permit Application Format and Contents requirements of the State of Utah R645 rules.

Upon review of the hydrologic water monitoring information in each of the respective MRP's (Cottonwood/Wilberg, Trail Mountain and Deer Creek), there are references to volumes, appendices, and plates relative to hydrologic monitoring that are no longer accurate and up to date. The Permittee must revise each of the approved Mining and Reclamation Plans (MRPs) for the Cottonwood/Wilberg, Trail Mountain and Deer Creek Mines to clearly and concisely reflect the current requirements for water monitoring at these sites. The revisions must reflect the approved reduction in water monitoring requirements both in the narrative/text sections and the plates/maps that identify the locations of the water monitoring sites. In addition, references to information (appendices/plates/tables etc) that are no longer up to date must be removed and/or clarified. Each of the MRP's for the aforementioned sites must contain the following:

- 1) Stand-alone water monitoring map for each mine site that identifies each of the applicable hydrologic monitoring sites (i.e. springs, streams, monitoring wells UPDES outfalls).
- 2) A table(s) that clearly identifies each of the required hydrologic monitoring sites (i.e. stream, springs, wells and UPDES outfalls), their required water quality parameters and the frequency with which the corresponding data is obtained.
- 3) Revisions to the text/narrative sections that are no longer current. Remove and/or clarify out of date portions the MRP's so as to clearly and concisely identify where the up-to-date water monitoring program requirements are located in each of the respective MRP's.
- 4) Remove any reference to the Des Bee Dove Mine. As the mine site has successfully been granted Phase III bond release, any reference to the Des Bee Dove site is no longer appropriate.

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