

2015/018 Incoming



#3869

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15 North Main Street
Huntington, Utah 84528

July 27, 2011

Utah Coal Program
Utah Division of Oil, Gas, and Mining
1594 West North Temple, Suite 1210
P.O. Box 145801
Salt Lake City, Utah 84114-5801

Subj: Clean Copy Submittal for Task ID #3869, PacifiCorp, Deer Creek Mine, C/015/0018, Emery County, Utah

PacifiCorp, by and through its wholly-owned subsidiary, Energy West Mining Company "Energy West" as mine operator, hereby submits the clean copies to the above approved amendment to update the Deer Creek Mine Mining and Reclamation Plan.

Actions to finalize this amendment include removing and/or replacing the noted pages. As noted above, all clean copy pages are included with this submittal. After stamping "Approved" on the clean copy pages, the Division needs to complete the following:

❖ Volume 1: Replace Page 2-174

Eight (8) complete clean copies of this amendment are submitted for Division certification. A C2 form is included for organization of removal or replacement of items into the Deer Creek MRP. If you have any questions concerning this amendment, please contact myself at 435-687-4712 or Dennis Oakley at 435-687-4825.

Sincerely,

A handwritten signature in blue ink that reads "Kenneth S. Fleck".

Kenneth Fleck
Geology and Environmental Affairs Manager

Cc: file

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JUL 28 2011
DIV. OF OIL, GAS & MINING

VEGETATION MONITORING PLAN - DEER CREEK MINE R645-301-321

The purpose of this monitoring plan is to define and establish a system to locate, measure, and quantify the progressive or regressive impacts on vegetation at the Deer Creek mine. The monitoring system will utilize techniques which will provide a continuing record of change over time and an analytical method for location and measurement of a sufficient number of points located on surface areas. The monitoring shall be an extension of the baseline data as outlined in the Deer Creek PAP Volume 1.

Aerial photography taken annually up to present (2009) has been used for delineation of vegetative types, documentation of changes in vegetation and detection and monitoring of stressed vegetation. There has been no detected stress or any other impacts to vegetation using aerial photography.

Because stress to vegetation within the permit area is so much more subject to the natural forces in nature, (fire, insect infestation, drought, etc.) aerial photography will no longer be used.

Reference area qualitative and quantitative monitoring at the Deer Creek Mine has been conducted at least on five year intervals in the past. Qualitative and quantitative monitoring was last conducted in 2007 and will continue on five year intervals through mine through reclamation and bond release.

The vegetation monitoring information for reference areas and reclamation sites will be evaluated and submitted in an annual report following the year in which monitoring is conducted.

SOILS INFORMATION R645-301-200

Portal and support facility areas for the Deer Creek Mine are cut into steep, nearly perpendicular rock cliffs. The areas are