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# TECHNICAL MEMORANDUM

Utah Coal Regulatory Program

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June 30, 2011

TO: Internal File

THRU: Priscilla Burton, Team Lead *PWB by SOS*

FROM: James Owen, Engineer *JO*

RE: Update Plate 5-2, Utah American Energy, Inc, Horse Canyon Mine, C/007/0013, Task #3859

## SUMMARY:

On April 19, 2011, the Division of Oil Gas & Mining received an application for an amendment to the Mining and Reclamation Plan (MRP) of Utah American Energy's Horse Canyon Mine. The amendment included an updated version of Plate 5-2. The new plate was created using updated aerial mapping and includes updated contours and temporary trailer locations.

During the review of this application, the following deficiency was identified:

- *R-645-301-526.111. The applicant must either move the planned location for the surface facility (#25 - Equipment & Supplies Storage Area) or re-define the area as disturbed.*

On June 13, 2011, the Division of Oil Gas & Mining received a response to the deficiencies listed above. This technical memorandum will address and identify findings and provide a technical review of the engineering information submitted with the application revision. This review is based on compliance with the permit application requirements as detailed in the Utah Coal Mining Rules sections R645-301-500 (engineering).

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**TECHNICAL ANALYSIS:**

**OPERATION PLAN**

**MINING OPERATIONS AND FACILITIES**

Regulatory Reference: 30 CFR 784.2, 784.11; R645-301-231, -301-526, -301-528.

**Analysis:**

During the previous review, the following deficiency was identified:

- *R-645-301-526.111. The applicant must either move the planned location for the surface facility (#25 - Equipment & Supplies Storage Area) or re-define the area as disturbed.*

The response (including submitted map) explains that the surface facility #25 was shown correctly on Plate 5-2, and that it represented a status within a second construction phase. The applicant states that in phase I the pads were only partially constructed and that they were scheduled to be completed in phase II. Facility #25 was shown as being undisturbed after Phase I completion. Once phase II is completed, the area where #25 was shown will be disturbed. To avoid any confusion, facility #25 was moved to an area which was disturbed during phase I.

The updated map details include a surface facility (#25 - Equipment & Supplies Storage Area) located within an area defined as disturbed area that is east of the ROM Coal stockpile.

**Findings:**

Contents and information provided are sufficient enough to meet the minimum requirements of this section of the Utah Coal Mining Rules.

**MAPS, PLANS, AND CROSS SECTIONS OF MINING OPERATIONS**

Regulatory Reference: 30 CFR Sec. 784.23; R645-301-512, -301-521, -301-542, -301-632, -301-731, -302-323.

**Analysis:**

The application consisted of an updated version of Plate 5-2. The new plate was created using updated aerial mapping and includes updated contours and temporary trailer locations. The map was properly certified by a registered professional engineer.

**Findings:**

Contents and information provided are sufficient enough to meet the minimum requirements of this section of the Utah Coal Mining Rules.

**RECOMMENDATIONS:**

The application is recommended for approval.