

TECHNICAL MEMORANDUM

Utah Coal Regulatory Program

January 9, 2006

TO: Internal File

THRU: Wayne Hedberg, Permit Supervisor

FROM: Priscilla W. Burton, Environmental Scientist III/Soils, Team Lead

RE: Topsoil Information, Degasification Wells G-9, Canyon Fuel Company, LLC., Dugout Canyon Mine, C/007/039, Task ID #2378

SUMMARY:

Attachment 2-1 of the Degas Well Volume of the MRP contains baseline survey information gathered from degasification well sites G-2 through G-13 (Site G-1 was not developed.). This information, received on November 29, 2005, details the baseline information for well site G-9. The soils were sampled in the fall of 2005 and analyzed by Inter-Mountain Laboratories, Inc. (Sheridan). As with previous degas wells, the Permittee sampled the topsoil at sites G-9 at the time of disturbance, to collect baseline soil chemistry information to be included in Attachment 2-1. The following parameters were sampled during soil salvage: texture (particle size analysis), pH, Electrical Conductivity, Sodium Adsorption Ratio, percent CaCO₃, plant available Nitrogen, and Phosphorus (Section 243). Potassium content was inadvertently omitted from this analysis. The Permittee has been notified to include the full N, P, K fertility suite in future analytical data. The available information is acceptable for inclusion in Attachment 2-1.

There is no change to the technical analysis for the permit as a result of this information.

RECOMMENDATIONS:

Adequate baseline information has been received for site G-9.

The information is recommended for inclusion in Attachment 2-1.