

TECHNICAL MEMORANDUM

Utah Coal Regulatory Program

July 26, 2007

OK

TO: Internal File

THRU: Pamela Grubaugh-Littig, Permit Supervisor *pgl*

FROM: Wayne H. Western, Lead *WHW*

RE: Gentry Mountain Subsidence Repair, Plateau Mining Corporation, Star Point Mine, C/007/0006, Task ID #2832, Outgoing File

SUMMARY:

On July 23, 2005, the Division received an email from the Permittee that outlined the plan for repairing subsidence cracks at the Star Point Mine. The subsidence cracks are located on Gentry Mountain and are approximately 100 feet long up to 1.5 feet wide and up to 6 feet deep. The Permittee proposed to use puf foam to fill the cracks within 2-3 feet of the surface, and then rock and other native material will fill the cracks and soil placed on top. The area will then be seeded with an approved seed mix.

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TECHNICAL ANALYSIS:

OPERATION PLAN

SUBSIDENCE CONTROL PLAN

Regulatory Reference: 30 CFR 784.20, 817.121, 817.122; R645-301-521, -301-525, -301-724.

Analysis:

Subsidence Control Plan

The Permittee met the requirements of this section. The Permittee proposed to seal the subsidence cracks located on Gentry Mountain with a combination of puf foam and native materials. The subsidence cracks are approximately 100 feet long up to 1.5 feet wide and up to 6 feet deep. The Permittee will use puf foam to fill the cracks to within 2 feet of the surface, then rock and other native material will fill the cracks and soil placed on top. The Permittee will then seed the area with an approved seed mix.

The Permittee choose to seal the cracks in this method because the area is remote and vehicles only come within a few hundred yards of the site. This method is similar to that used by the AML program to seal remote surface crack.

The subsidence mitigation plan is consistent with the approved plan and the regulations.

Findings:

The information provided in the proposed amendment is considered adequate to meet the requirements of this section.

RECOMMENDATIONS:

The Division should approve the amendment.