

TECHNICAL MEMORANDUM

Utah Coal Regulatory Program

March 28, 2008

TO: Internal File

THRU: James D. Smith, Permit Supervisor *DS 04/21/08*

FROM: Dave Darby, Team Lead, Environmental Scientist III *[Signature]*

RE: Paved Area, Company Name, Hidden Splendor Resources, Inc., Horizon Mine, C007/0020, Task ID #2922

SUMMARY:

On February 7, 2008, the Division received plans from Hidden Splendor resources for the paved access road and parking areas. In telephone and email correspondence with the Division, the Permittee stated that they had paved the areas before submitting the amendment. The Permittee had the work done, because the contractor was in the area and having the contractor come back after the Division approved the amendment would have increased the cost. The Division was unaware of the work until after the fact.

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TECHNICAL ANALYSIS:**OPERATION PLAN****HYDROLOGIC INFORMATION**

Regulatory Reference: 30 CFR Sec. 773.17, 774.13, 784.14, 784.16, 784.29, 817.41, 817.42, 817.43, 817.45, 817.49, 817.56, 817.57; R645-300-140, -300-141, -300-142, -300-143, -300-144, -300-145, -300-146, -300-147, -300-147, -300-148, -301-512, -301-514, -301-521, -301-531, -301-532, -301-533, -301-536, -301-542, -301-720, -301-731, -301-732, -301-733, -301-742, -301-743, -301-750, -301-761, -301-764.

Analysis:**General**

The Permittee submitted plans showing the paved road area and described the improvements. Runoff from the paved area is similar to the unpaved road since the road has been compacted and flow directions are the same. It is expected that the paving of the road will improve water quality, since there will be less sediment created from vehicle disturbance. Runoff from the road and parking area flow to ditches that intern flow to the sedimentation.

Surface Water Monitoring

Runoff from the paved area will flow into ditches. The ditches transport flows to the sedimentation pond. The Permittee monitors the runoff collected in the sedimentation pond under the UPDES permit requirements.

Acid- and Toxic-Forming Materials and Underground Development Waste

No acid or toxic forming material will be generated.

Discharges Into An Underground Mine

There will be no discharge into underground mines.

Gravity Discharges From Underground Mines

Gravity discharge from the mine flows directly to the creek under a UPDES permit. There will be no mixing of runoff from the paved road with mine water discharge.

Water-Quality Standards And Effluent Limitations

Water quality standards and effluent should be the same or improved since less sediment will be transported to the sedimentation pond.

Diversions: Miscellaneous Flows

Diversions are designed to transmit the flow from a 2 yr. 24 hr. precipitation event required by the regulations.

Stream Buffer Zones

No buffer zones have been encroached on.

Findings:

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

RECOMMENDATIONS:

It is recommended that the Hydrologic section of the amendment be approved.