

# WATER QUALITY MEMORANDUM

Utah Coal Regulatory Program

*OK*

January 11, 2005

TO: Internal File

THRU: D. Wayne Hedberg, Permit Supervisor *DWH*

FROM: David Darby, Senior Reclamation Specialist III *DD*

RE: 2004, 3rd Quarter Water Monitoring, Hidden Splendor Resources, Inc., Horizon Mine, C/007/0020-WQ04-3, Task ID #1996

1. Was data submitted for all of the MRP required sites? YES [X] NO [ ]

*Identify sites not monitored and reason why, if known:*

**The Horizon Mining operation is currently mining coal. This report is based on data compiled in file; O:\007020.hzn\Water Quality\datacheck2004-1-3format.xls.**

Springs During the operational and reclamation phases the springs will be monitored once each calendar quarter when the spring are accessible. SP-1, SP-2, SP-4, SP-9 (Jewkes Sp.), 2-6-W (Homestead Sp.) And GV-70.

**All springs were monitored for the quarter and the data submitted.**

Streams Stations SS-3, SS-5, SS-7, SS-8, SS-10 and SS-11 will be monitored once each quarter (as access conditions permit).

**All streams were monitored for the quarter and the data submitted. No data was reported for bicarbonate and carbonate as required in the MRP, Table 7-5.**

Wells Water level data will be collected during the operational and reclamation phases from the HZ wells once each quarter when accessible.

**All wells were monitored for the quarter.**

UPDES Mine water is pumped directly into the stream channel under a UPDES permit. Horizon holds another UPDES permit for the sedimentation pond Horizon is required to conduct monthly monitoring of flows from mine discharge and sedimentation pond.

**UPDES sites were monitored monthly for the quarter and all required data submitted.**

**2. On what date does the MRP require a five-year resampling of baseline water data.**

See Technical Directive 004 for baseline resampling requirements. Consider the five-year baseline resubmittal when responding to question one above. Indicate if the MRP does not have such a requirement.

**Resampling due date      July 2007**

**3. Were all required parameters reported for each site?      YES [ ]      NO [X]**

*Comments, including identity of monitoring site:*

- Springs      All parameters were reported for springs, except carbonate and carbonate for SP-9.
- Streams      No data was reported for bicarbonate and carbonate as required in the MRP, Table 7-5.
- Wells      Water level should be inserted into the database for HZ 01-06-01.
- UPDES      All parameters were reported for UPDES sites. The operator is recording TDS data in the TDS slot on some months and in the TDS-DM\*DMR slot (July-September) during others. This issue will be discussed with the Operator. Otherwise all data is submitted.

**4. Were irregularities found in the data?      YES [X]      NO [ ]**

*Comments, including identity of monitoring site:*

**As mentioned in Sections 1 and 3.**

**5. Were DMR forms submitted for all required sites?**

- 1<sup>st</sup> month,      YES [X]      NO [ ]  
2<sup>nd</sup> month,      YES [X]      NO [ ]  
3<sup>rd</sup> month,      YES [X]      NO [ ]

*Identify sites and months not monitored:*

**6. Were all required DMR parameters reported?      YES [X]      NO [ ]**

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*Comments, including identity of monitoring site:*

**There was no discharge from the sedimentation pond, site 001 during the quarter.  
See comments in Section 3.**

7. Were irregularities found in the DMR data? YES [X] NO [ ]

*Comments, including identity of monitoring site:*

See comments in Section 3.

8. Based on your review, what further actions, if any, do you recommend?

**A copy of the data file will be e-mailed to the Mine Operator and DOGM Mine Inspector identifying any missing and irregular data. Both the Operator and Mine Inspector should check to see if missing data identified in Sections 1 and 3 are available to be entered into the database. If the data is available, the Mine Operator should submit it to the DOGM Inspector and Hydrologist, so it can be entered into the Coal Database. If the data is not available the Mine may be in violation of R645-301-731-200.**

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