W A T E R Q U A L I T Y
MEMORANDUM
Utah Coal Regulatory Program

September 29, 2021

TO: Internal File

THRU: Steve Christensen, Coal Program Manager

FROM: Kendra Hinton, Environmental Scientist

RE: 1st Quarter 2021 Water Monitoring, UtahAmerican Energy Inc., Lila Canyon Mine, C/007/0013, WQ21-1, Task ID #6359

This report was prepared from monitoring data queried from the UDOGM database. The data that support this report were collected and submitted to the database by UtahAmerican Energy Inc. (UEI).

Lila Canyon Mine

UEI received permit approval for the Lila Canyon Mine on May 18, 2007 with special conditions attached. The Conditions were clarified on August 3, 2007. Operational water monitoring is described in Section 731.200 and monitoring sites are listed in Table 7-3 of the Lila Canyon MRP. Table 7-4 and Table 7-5 list the monitoring parameters for surface water and groundwater, respectively, and Plate 7-4 shows the water monitoring sites. The list of parameters for baseline, operational and post-mining water monitoring are the same.

1. Were data submitted for all required sites?

Springs YES ☒ NO ☐

Operational monitoring for Lila Canyon includes quarterly monitoring at springs L-7-G, L-8-G, L-9-G, L-11-G, L-12-G, L-16-G and L-17-G.
No access due to winter conditions: L-7-G, L-8-G, L-9-G, L-11-G, L-12-G, L-16-G

Streams YES ☒ NO ☐

Surface water (stream) sites are monitored quarterly. Sites L-1-S, L-2-S, L-3-S, and L-19-S are identified for surface water monitoring for the Lila Canyon Mine.

Wells YES ☒ NO ☐

No access due to winter conditions: IPA-1, IPA-2

UPDES YES ☒ NO ☐

Discharges from the Lila Canyon Mine are authorized under UPDES Permit No. UT0026018. The Lila Canyon Mine UPDES permit identifies two discharges: 001 is discharge from the sediment pond and 002 is discharge from the underground mine. These discharges are being monitored as sites L-4-S and L-5-G, respectively. The UPDES permit specifies monitoring frequency and required parameters.

UPDES site 002 (L-5-G) discharged an average of 573 gpm this quarter.

2. **Were all required parameters reported for each site?**

Springs	YES ☒	NO ☐
Streams	YES ☒	NO ☐
Wells	YES ☒	NO ☐
UPDES	YES ☒	NO ☐

3. Were irregularities found in the data?

The following sites reported parameters more than two standard deviations from the mean:

Springs	YES ☐	NO ☒
Streams	YES ☐	NO ☒
Wells	YES ☐	NO ☒
UPDES	YES ☐	NO ☒

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

Re-sampling for baseline parameters is due preceding permit renewal. Analysis of baseline water samples is conducted according to the operational monitoring plan, therefore no additional parameters are required for baseline monitoring.

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

6. Follow-up from last quarter, if necessary.
NA