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WATER QUALITY MEMORANDUM

Utah Coal Regulatory Program

September 23, 2010

TO: Internal File

THRU: James D. Smith, Permit Supervisor *DS 27 Sept 2010*

FROM: April A. Abate, Environmental Scientist II *AAA 9-27-2010*

RE: 2010 First Quarter Water Monitoring, Nevada Electric Investment Corporation, Wellington Preparation Plant, C/007/0012, Task ID #3489

The Wellington Preparation Plant is currently in temporary cessation. No mining or coal processing activities currently take place there, nor is the site in active reclamation. Water-monitoring requirements are in Sections 7.23 and 7.31.2 through 7.31.22, and Tables 7.24-2 and 7.24-5 of the MRP.

1. On what date does the MRP require a five-year re-sampling of baseline water data.

Baseline parameters are collected in the year preceding permit renewal. The permit for the Wellington Preparation Plant was renewed on November 30, 2009.

2. Were data submitted for all of the MRP required sites?

Streams and Ponds

YES NO

The Permittee is required to analyze samples from streams at SW-1, SW-2A, SW-3, and SW-4 and from ponds at SW-5, SW-6, SW-7, and SW-8 for the parameters in Table 7.24-5, and to measure flow only at SW-2. In addition, samples from SW-4 and SW-5 are to also be analyzed for benzene, toluene, ethylbenzene, xylene, and naphthalene (BTEXN) and propylene glycol. Monitoring is done quarterly.

During the first quarter 2010, samples were collected from SW-1 and SW-2A. Flow only was measured from SW-2. None of the other monitoring locations reported flow.

Wells

YES NO

The Permittee is required to analyze samples quarterly from GW-1, GW-3, GW-4, GW-6, GW-7, GW-8, GW-9, GW-9B, GW-10, GW-12, GW-13, GW-14, GW-15A, GW-15B, GW-16, and GW-17 for the parameters in Table 7.24-2, and to measure depth only at GW-2.

Wells GW-3, GW-12, GW-13 and GW-17 were not sampled. GW-3 was reported as dry, GW-12 was reported as inundated with surface water and GW-13 and GW-17 were reported as not having enough water in it to monitor.

UPDES

YES NO

Six UPDES permitted outfalls at the Wellington Preparation Plant are monitored monthly: #UTG040010-003, 004, 005, 006, 007, and 008. None of the UPDES sites reported flow during the first quarter 2010.

3. Were all required parameters reported for each site?

Streams and Ponds

YES NO

Wells

YES NO

UPDES

YES NO

Not applicable.

4. Were any irregularities found in the data?

Streams and Ponds

YES NO

Wells

YES NO

Parameters that were flagged as being outside two standard deviations were the typical parameters associated with hard water and salt. In general, these were the groundwater samples that have historically shown indicators of poor groundwater quality. The groundwater quality in the area is considered poor given the abundant sedimentary rock and the high concentrations of total dissolved solids (TDS) found along this reach of the Price River.

GW-1: calcium, hardness, chloride

GW-15A: total cations, sodium and chloride

GW-15B: bicarbonate, sodium and chloride

GW-16: total cations, chloride, and hardness

UPDES

YES NO

Not Applicable. No discharges were reported from any of the UPDES monitoring locations.

5. Did the Permittee make a timely submittal of all data, including initially missing data, and satisfactorily explain irregular data? YES NO

6. Does the Mine Permittee need to submit more information to fulfill this quarter's monitoring requirements? YES NO

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

- None

8. Follow-up from last quarter, if necessary.

- None