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WATER QUALITY MEMORANDUM

Utah Coal Regulatory Program

September 13, 2012

TO: Internal File

THRU: Steve Christensen, Permit Supervisor *SC*

FROM: April A. Abate, Environmental Scientist III *AAA 9/18/2012*

RE: 2012 First Quarter Water Monitoring, Nevada Electric Investment Corporation, Wellington Preparation Plant, C/007/0012, Task ID #4035

The Wellington Preparation Plant is currently in temporary cessation. No mining or coal processing activities currently take place there. 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 next scheduled permit renewal for the Wellington Preparation Plant is November 30, 2014.

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 2012, samples were collected from SW-1 and SW-2A. Flow only was measured from SW-2. None of the other monitoring locations reported flow. None of the pond samples reported any water during this monitoring period.

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.

GW-3 was reported as dry.

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 2012.

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

The following table summarizes the parameters that were outside of at least two standard deviations for this quarter:

Well	Parameter	Concentration in mg/L	Std Deviation	Mean mg/L
GW-9B	D-Mg	504.37	2.06	674.9
GW-15	Cond (FLD)	6710	3.25	3836.7
	D-Mg	349.69	4.11	190.16
	D-Na	921.6	4.17	389.95
	Cl	195	4.64	87.82
	SO4	3170	2.64	2099.63
	T-Alk	838	7.06	515.71
	T-Hardness	2529	2.24	1889.63
	L-SpCond	6540	3.71	4183.78
	TDS	6024	3.18	3812.51
	Bcrb CaCO3	838	5.61	513.17

GW-15B	T-Alk	546	3.53	479.82
	Bcrb CaCO3	546	3.45	474.17
GW-17	SO4	52	2.22	351.21

The parameters outside of at least two standard deviations in the groundwater monitoring wells listed in the table above were the same parameters that were outside of two standard deviations during the previous quarter.

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. Follow-up from last quarter, if necessary.

None

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

The Permittee is in the process of developing an up-to-date Probable Hydrologic Consequence (PHC) document for the Wellington Mining and Reclamation Plan. During the midterm review, a PHC document was required as part of the submittal due on November 20, 2012.