

#4131

OK

WATER QUALITY MEMORANDUM

Utah Coal Regulatory Program

November 29, 2012

TO: Internal File

THRU: Steve Christensen, Permit Supervisor *S/CC*

FROM: April A. Abate, Environmental Scientist III *AAW*
12.4.2012

RE: 2012 Second Quarter Water Monitoring, Nevada Electric Investment Corporation, Wellington Preparation Plant, C/007/0012, Task ID #4131

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 second 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. GW-13 was not sampled due to not enough groundwater in the well to collect a sample.

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 second 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-1	Cl	106	2.05	75.76
GW-15A	T-Alk	722	2.08	534.96
GW-15B	T-Alk	542	2.5	483.81
	Bcrb	542	2.18	481.27
GW-9B	D-Mg	507.71	2.02	674.89

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. If the midterm amendment is approved, then a new water monitoring protocol is expected to be adopted by first quarter 2013.

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