

WATER QUALITY MEMORANDUM

Utah Coal Regulatory Program

May 1, 2007

TO: Internal File

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

FROM: James D. Smith, Environmental Scientist - Hydrology *DS 05/07/07*

RE: 2007 First Quarter Water Monitoring, Nevada Electric Investment Corporation, Wellington Preparation Plant, C/007/0012

The Wellington Preparation Plant is currently idle. 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 will be collected in the year preceding permit renewal. The next renewal submittal is due 08/10/09 and the next renewal is due 12/10/09, so five-year resampling should be done in 2008.

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

There is no spring or in-mine monitoring at this site.

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 to be done quarterly.

SW-3, SW-4, and all the ponds were dry during the first quarter 2007.

Wells YES NO

The Permittee is required to analyze samples 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. In addition, samples from GW-4 and GW-6 are to also be analyzed for BTEXN and propylene glycol. Monitoring is to be done quarterly.

UPDES YES NO

Six UPDES permitted outfalls at the Wellington Preparation Plant are monitored monthly: #UTG040010-003, 004, 005, 006, 007, and 008. There was no reported flow at any of the UPDES sites during the first quarter 2007.

3. Were all required parameters reported for each site?

Streams and Ponds YES NO

SW-3, SW-4, and all the ponds were dry during the first quarter 2007.

Wells YES NO

At GW-3, static water level was measured but inflow was not sufficient to allow purging and sampling.

UPDES YES NO

4. Were any irregularities found in the data?

Listed parameters were more than two standard deviations from the mean. An asterisk (*) indicates this is not a parameter specifically required by the MRP.

Streams and Ponds YES NO

Wells YES NO

Parameter	Wells
Lab - specific conductivity	GW-1, GW-13, GW-15B

Field - specific conductivity	GW-12, GW-15B
Bicarbonate as CaCO ₃	GW-9, GW-13
Total cations*	GW-15A, GW-15B
Total anions*	GW-9B, GW-15B
Dissolved Ca	GW-1, GW-9B, GW-15A, GW-15B
Dissolved Mg	GW-9B, GW-12, GW-15A, GW-15B
Total hardness	GW-12, GW-15A, GW-15B
TDS	GW-15A, GW-15B, GW-9B
Field pH	GW-13
Dissolved Na	GW-13, GW-15B, GW-9B
Sulfate	GW-15B
Cl	GW-12, GW-15B
Total Fe	GW-1, GW-15B, GW-16
Total Mn	GW-15B
Dissolved Fe	GW-9B
K	GW-1

UPDES

YES NO

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.

Benzene, ethylbenzene, toluene, xylene, naphthalene, and propylene glycol were reported for GW-4, GW-5, SW-4, and SW-5.