



7/8/08

Brian Rakvica
Nevada Division Environmental Protection
2030 E. Flamingo Road, Suite 230
Las Vegas, NV 89119

Re: BRC Response to NDEP Request for Vertical Delineation of Contaminant Plumes and Hydraulic Gradients, dated May 19, 2008

Dear Mr. Rakvica:

Basic Remediation Company (BRC) has compiled and reviewed the available data for the BRC Eastside and Corrective Action Management Unit (CAMU) Area properties to characterize vertical hydraulic gradients. The following items have been compiled per your request:

- Figures showing the location of deep/shallow, intermediate/shallow, and deep/intermediate zone vertical gradient well pairs for the Eastside property (Figure 1, Figure 2, and Figure 3);
- A figure showing the location of vertical gradient well pairs for the CAMU Area (Figure 4);
- Historical groundwater elevation data and vertical gradient calculations (Table 1 and Table 2);
- Validated total dissolved solids (TDS) and electrical conductance (EC) data (Attachment A);
- Boring logs for the Eastside property (Attachment B); and
- Boring logs for the CAMU Area (Attachment C).

For the Eastside property, there are potentially eighteen deep/shallow well pairs, ten intermediate/shallow well pairs, and twelve deep/intermediate well pairs (Table 1). However, contemporaneous, stable, water level data are not yet available for all well pairs. Vertical gradients will be calculated with water levels from the new 2008 wells once the water levels have stabilized after well development. Based on prior experience, some of the deep well water levels did not stabilize for up to 24 months after development.

The selected vertical gradient well pairs at the Eastside Area are:

- Located close enough to each other for vertical gradient calculations;
- Screened in the shallow, intermediate, and deep water-bearing zones;
- Located around the property perimeter and within the property interior, including the Western Hook Area;
- Laterally and vertically distributed across the Eastside Area; and
- Measured for water levels contemporaneously.

For the CAMU Area, there are potentially eleven wells selected for vertical gradient calculations. Contemporaneous water-level data are not currently available for the TR-1/TR-2 well pair, however, BRC will attempt to collect these data in the future.

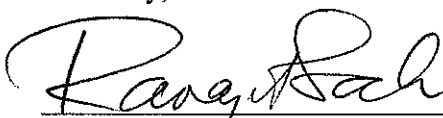
The selected vertical gradient well pairs at the CAMU Area are:

- Located close enough to each other for vertical gradient calculations;
- Screened in shallow and deeper water-bearing zones (although some wells are cross-screened in both the Quaternary alluvium (Qal) and the Tertiary Muddy Creek formation (TMC);
- Located around the southeastern and eastern perimeters, and west of the western CAMU Area boundary;
- Measured for water levels contemporaneously.

The deepest well screen at the CAMU Area (TR-1) is screened in the TMC from 280 to 310 feet below grade. Other wells installed at other sites adjacent to the CAMU are also located to the north and east of the CAMU that could be potentially useable for future additional vertical gradient calculations.

BRC appreciates the extension granted by NDEP for submittal of this information. If you have any questions, please call me at (626) 382-0001.

Sincerely,



Dr. Ranajit Sahu, C.E.M. (No. EM-1699, Exp. 10/07/2009)
BRC Project Manager

cc: Jim Najima, NDEP