GROUNDWATER Cr(VI) CONCENTRATIONS IN MONITORING WELLS:

NOTES:
1. Chromium results are shown for Site-wide Groundwater Monitoring Program and domestic wells sampled in the Fourth Quarter (October through December) 2017 monitoring period. For wells sampled multiple times during the reporting period, the most recent results are shown.
2. The concentration contours are based on Fourth Quarter 2017 chromium results for the groundwater monitoring and extraction wells that are completed in the shallow zone and deep zone of the Upper Aquifer as noted on Figures 5-1 and 5-2. Results for domestic wells (brown-colored labels) were not used for chromium plume contouring, except for those in the northern disputed plume areas, pursuant to the Lahonton Regional Water Quality Control Board's Cleanup and Abatement Order dated November 4, 2015 (Water Board 2015).
3. Pursuant to the Lahonton Regional Water Quality Control Board's Cleanup and Abatement Order dated November 4, 2015 (Water Board 2015), groundwater monitoring wells are not used for chromium contouring if they are located in the areas southwest of the Lockhart Fault and on or east of Dixie Road. Monitoring wells sampled southwest of Lockhart Fault and east of Dixie Road were sampled in support of United States Geological Survey background chromium investigations.
4. Chromium plume contours in the general area south of Highway 58, were developed using a larger set of monitoring data which is presented in the the Fourth Quarter 2017 Monitoring Report for the In Situ Reactive Zone and Northwest Freshwater Injection Projects (Arcadis 2018). Select wells from that program are shown here for reference.
5. Chromium contours were changed on the eastern side of the plume during the Third Quarter of 2016. These changes were made based on discussions with the Water Board, requirements in the Order and professional judgement. These changes to the plume contours on the eastern side of the plume reflect a revised interpretation of monitoring data and do not indicate plume expansion.

WORKS CITED:


See Legend Figure for Feature Descriptions

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See Legend Figure for Feature Descriptions
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SEE FOOTNOTE 3

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