



State  
of  
Colorado

Chesson - DNR, Robert <[robert.chesson@state.co.us](mailto:robert.chesson@state.co.us)>

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## Re: HSR-Austin 16-26, HSR-Elliot 15-26 - Monitoring Well Reduction Request

1 message

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**Chesson - DNR, Robert** <[robert.chesson@state.co.us](mailto:robert.chesson@state.co.us)>

Tue, Dec 11, 2012 at 12:18 PM

To: Justin Solomon <[jsolomon@ltenv.com](mailto:jsolomon@ltenv.com)>

Cc: Paul Schneider <[Paul.Schneider@anadarko.com](mailto:Paul.Schneider@anadarko.com)>

**Justin - I have reviewed the recent remediation status report for the Colorado Oil and Gas Conservation Commission (COGCC) remediation number 4219. Based on the information provided, the COGCC staff approves the reduction in the monitoring network to incorporate monitoring wells MW04R2, MW05R2, and MW02 as POC wells for this location based on the reasons supplied.**

**Should you have any questions, please call me at (303) 894-2100 ext.5112.**

**Respectfully,**

**Robert H. Chesson, C.P.G., P.G.**

**Environmental Protection Specialist**

**Robert H. Chesson, PG, CPG**

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On Wed, Oct 31, 2012 at 9:24 AM, Justin Solomon <[jsolomon@ltenv.com](mailto:jsolomon@ltenv.com)> wrote:

Hello Bob,

I'm writing on behalf of Kerr-McGee to request a reduction in the number of monitoring wells included in the monitoring program at the subject groundwater remediation site. For the past two years, LTE has installed temporary monitoring wells (TMW02 through TMW06) in the farmer's field to the northwest of the lease. Each year, the temporary wells were installed in the Fall, following the harvest, and removed in April, prior to

planting. The temporary wells were originally installed to provide POC down-gradient of MW04R2, which is a permanent on-site well that had historical detections of benzene above the Colorado Groundwater Quality Standard (CGWQS). The well locations are depicted on the attached figure.

In an effort to eliminate the need for these temp wells and limit disruptions to the landowner's farming operations, Kerr-McGee contracted LTE to complete a BOS 200 injection program at the site in December 2011. The injection areas are also depicted on the attached figure. Through a combination of natural attenuation and the injection program, BTEX concentrations in MW04R2 have been below the CGWQS for eight consecutive quarterly monitoring events and below the laboratory reporting limit of 1.0 ug/L during the two most recent sampling events. There has been one detection of benzene (36 ug/L) above the CGWQS in the temp wells that occurred in TMW04 in April 2010. However, there have been no exceedances in any of the temp wells since that time and BTEX concentrations in all the temp wells for the two most recent (post-injection) quarters have been below the laboratory reporting limit of 1.0 ug/L. The groundwater results are summarized in the attached table.

Based on these groundwater results, Kerr-McGee would like to utilize MW04R2, MW05R2, and MW02 as POC wells for this location and forgo the installation of the temporary monitoring wells this Fall. In the event BTEX concentrations return to MW0452, MW05R2, and/or MW02 at concentrations exceeding the CGWQS, Kerr-McGee will re-install the temp wells, as needed, to re-establish POC at this location. Please let us know if this course of action is acceptable to the Commission.

Thanks,

Justin

*Justin Solomon*

Project Environmental Scientist



COMPLIANCE / ENGINEERING / REMEDIATION

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