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Doc # 28026

STATE OF IOWA

TERRY E. BRANSTAD, GOVERNOR  
KIM REYNOLDS, LT. GOVERNOR

DEPARTMENT OF NATURAL RESOURCES  
CHUCK GIPP, DIRECTOR

February 5, 2013

MARK LINCOLN  
LINCOLN FARM AND HOME SERVICE  
515 SHARP STREET, BOX 210  
GLENWOOD, IOWA 51534

Subject: Lincoln Farm & Home Service, Lot 5 Railroad Addition, Blk 1, Henderson, Iowa

Dear Mr. Lincoln:

Thank you for the submittal of the Groundwater Sampling Report dated December 5, 2012, for the site referenced above. As noted in the report, monitoring well MW-1 has not been able to be located/sampled for some time so a replacement monitoring well (MW-1R) was installed on June 18, 2012. The replacement monitoring well was installed to approximately 20 feet deep. The Department met with you and your consultant on June 21, 2012 to collect split samples as part of the 2012 groundwater sampling event which included the collection of groundwater samples from monitoring wells MW-1R, MW-2, MW-3, and MW-4 for analysis of BTEX (benzene, toluene, ethylbenzene, and xylenes), methyl tert-butyl ether (MTBE), and total extractable hydrocarbons (TEH).

Benzene was detected in monitoring wells MW-1R, MW-3, and MW-4 at concentrations of 128 ug/L, 45 ug/L, and 1,950 ug/L respectively which exceed the applicable groundwater standards. In addition, MTBE was detected in MW-3 at a concentration of 20 ug/L which is just below the applicable groundwater standard of 21 ug/L. The groundwater plume appears to be stable and decreasing with the exception of benzene in MW-4 which increased significantly in 2011 and remains elevated.

The Department recognizes that the site has been monitored periodically for the last 20 years; however, due to the elevated concentrations of benzene observed in MW-4 during the 2011 and 2012 sampling events and the fact that the site is on the edge of the 5 year source water protection area for a shallow (29 feet deep) municipal well, an additional year of monitoring is required. All existing monitoring wells should be sampled during the 2<sup>nd</sup> quarter of 2013; therefore, we look forward to receiving the Site Monitoring Report **no later than July 31, 2013**. Feel free to contact me if there are any questions, comments, or concerns at 515-281-4420.

Sincerely,

A handwritten signature in black ink that reads "Tami S. Quam".

Tami S. Quam  
Environmental Specialist Senior  
Contaminated Sites Section  
Iowa Department of Natural Resources

Cc: Cal Lundberg, Supervisor, Contaminated Sites Section, Iowa Department of Natural Resources  
Ken McFadden, McFadden Environmental, Inc., 722 SW Kennybrook Drive, Grimes, Iowa 50111-2130  
Field Office 4, 1401 Sunnyside Lane, Atlantic, Iowa 50022

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