



June 12, 2020

STEPHEN NIELSEN  
LANDUS COOPERATIVE  
2321 N LOOP DR SUITE 220  
AMES IA 50010

RE: Liquid Nitrogen Spill Remediation, Boxholm, Iowa  
Iowa DNR Contaminated Site #2575

Dear Mr. Nielsen,

In 2019, the Iowa Department of Natural Resources (DNR) Central Office, Contaminated Sites Section accepted transfer for oversight of the on-going remedial actions in response to a nitrogen fertilizer spill at your Boxholm, Iowa facility. The site is listed as Iowa DNR Contaminated Site #2575.

On June 11, 2020, DNR was informed that the previous contact at Landus (Art Currier) was no longer with the company. One June 12, Landus contacted DNR requesting an extension to a previously required Site Monitoring Report for the Boxholm location.

On November 21, 2019, Landus agreed to complete the following actions:

By June 1, 2020, Landus Cooperative will provide an investigation report to the Contaminated Sites Section similar to a Tier 2 SCR. That report will include:

- Data table and graphs showing historical results and including the information to be collected from the upcoming sampling event in December 2019 and also in March 2020 which will reflect the semiannual sampling recommended in the proposed Sampling Plan
- An assessment of contaminant mass within the groundwater plume
- An assessment of the amount of nitrogen that has been removed as a result of remediation efforts
- An assessment of the plume boundaries
- A determination of groundwater flow direction
- As assessment of receptors
- A determination if the current number and location of monitoring wells are sufficient
- A sampling plan to be implemented in 2020 this plan will include semiannual sampling to be conducted in March and September of each year with a report to be proved to the Contaminated Sites Section no later than October 31 of the calendar year where sampling occurred.
- Please make sure that the plume boundaries are defined to an appropriate Iowa MCL/target level.
- Please attempt to determine whether or not there is an operating private well at the residence east of the Landus property.

It remains necessary to complete the above noted site investigation report, and to continue efforts to remediate the subsurface at the site. *Discussion with Landus resulted in an amended due date of July 1, 2020 in light of the complications involved with Covid-19.*

**Within 30 days of receipt of this letter, provide notice that a qualified environmental professional has been retained to complete the work, and provide a new suggested due date.** Failure to do so may result in referral for legal action.

If you have any questions or if we may be of further assistance please contact me at [matthew.graesch@dnr.iowa.gov](mailto:matthew.graesch@dnr.iowa.gov) or by phone at (515) 725-8331.

Thank you for your cooperation with this site.

Sincerely,

Matthew Graesch  
Environmental Specialist  
Contaminated Sites Section

CC: Iowa DNR Field Office 5

Mike Smith, Acting IDNR Contaminated Sites Supervisor