



May 18, 2020

CON 12-15  
DOC# 37327

TARA PAUL  
ESTHERVILLE LINCOLN CENTRAL SCHOOL DISTRICT  
1814 7<sup>TH</sup> AVE S  
ESTHERVILLE IA 51334

RE: Site Assessment Review for Estherville Lincoln Central School, 301 N 6<sup>th</sup> St., Estherville, Iowa

Dear Ms. Paul,

On March 9, 2020 the Iowa Department of Natural Resources Contaminated Sites Section (Iowa DNR) received a Site Assessment Report for the Estherville Middle School located at 301 North 6<sup>th</sup> St in Estherville. The report has been reviewed under the authority of Iowa Administrative Code (IAC) IAC 567-133, *Rules for Determining Cleanup Actions and Responsible Parties*. The site assessment included installing three monitoring wells (MW-1, MW-2, and MW-4) and collecting four soil samples from those borings. The samples were analyzed using Iowa Method OA-1 and OA-2 for petroleum hydrocarbons.

The main chemical of concern at this site is Total Extractable Hydrocarbons as Diesel (TEH-D). Groundwater and soil concentrations for all other OA-1 and OA-2 chemicals (benzene, toluene, ethylbenzene, xylene and TEH as Waste Oil) were below Tier 1 standards. The maximum onsite groundwater concentration for TEH-D was 97,400 µg/L at BH-1 (a sample collected during tank removal). This concentration brought into concern the groundwater ingestion, groundwater to waterline, and groundwater to surface water pathways. However, no active wells, waterlines, or surface waters were identified within applicable distances to the site. The maximum onsite soil concentration for TEH-D was 6,730 mg/kg at MW-4. This exceeds the standard for soil leaching to groundwater. However, the groundwater ingestion pathway has been addressed with an institutional control in the form of an acceptable well ordinance for the City of Estherville.

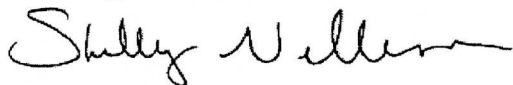
Your certified groundwater professional has recommended the site be reclassified to No Action Required because either the data does not exceed applicable Tier 1 target levels or the pathways by which a chemical of concern may reach an actual or potential receptor are incomplete. Upon review of the report and file information, the DNR is accepting the recommendation and is requiring no further assessment at this time.

The Iowa Administrative Code Chapter 567-39 requires monitoring wells and soil borings that access groundwater at a site be plugged. An Abandoned Water Well Plugging Record (DNR Form 542-1226) should be completed for each monitoring well and soil boring. Contact the designated county agent prior to plugging the abandoned monitoring wells and soil borings. Questions pertaining to procedures for plugging monitoring wells and soil borings should be directed to the Water Supply Section at 515-725-0282 or the designated county agent.

You may retain monitoring wells at the site for future use. However, if you choose to retain these monitoring wells you must submit a letter to the DNR identifying the monitoring wells to be retained, the reason for retaining the monitoring wells, and written plan for monitoring well maintenance and security. The monitoring wells must be fitted with lockable protective devices and clearly labeled.

Once the well plugging records are received, our records will be updated to indicate this site is closed. If you have any questions or concerns please call me at (515)725-8372 or email me at [shelly.nellesen@dnr.iowa.gov](mailto:shelly.nellesen@dnr.iowa.gov).

Sincerely,

A handwritten signature in black ink, appearing to read "Shelly Nellesen", with a stylized, flowing script.

Shelly Nellesen  
Environmental Specialist  
Contaminated Sites Section  
Iowa Department of Natural Resources

Cc: Iowa DNR Field Office #3  
Megan Down, Impact 7G, 9550 Hickman Rd, Suite 105, Clive, IA 50325  
Mike Smith, Iowa DNR Contaminated Sites Acting Supervisor