

NewTech

Engineering & Environmental

Engineering Department
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March 3, 2023

Ms. Jessica Ragsdale
Iowa DNR Environmental Specialist
1101 Commercial Ct Ste 10
Manchester, Iowa 52057

Telephone: 563-920-3490

Re: New Century Van Horne Diesel Release – Spill Number 013023-JMR-1156
Proposed Soil and Groundwater Investigation Scope of Work
806 1st Avenue
Van Horne, Benton County, Iowa 52346

Dear Ms. Ragsdale:

In response to the above referenced spill and a request from Ms. Ragsdale to present a plan to stop and remediate the discharge of diesel the below sampling plan is presented. This sampling plan will look at both impacts along the spill pathway to determine if soil needs to be removed along with groundwater above and below the spill pathway to determine extent of possible impacts. This plan will also determine if any further free product is located along the spill pathway. Any free product discovered will be removed:

- Underground utility locates have been completed for prior excavation activities but a new locate may need to be completed 48 hours prior to commencing the sampling event.
- Field activities will include the use of a Geoprobe 1822DT and a hand auger which will be deconned prior to the beginning of the work and between each sampling location. We are proposing 37 sampling locations with a range of 40-50 soil samples and 14 groundwater samples. (see attached map) Soil samples will be collected continuously throughout the depth of the soil borings to document lithology, color, VOC concentration utilizing a MiniRae PID, and field observation of impacts. Soil and groundwater samples will be analyzed for OA-2. Depth of borings will be determined by location of boring along with depth to groundwater. Depths should range from 10 to 20 feet below ground surface.
- Soil samples will be collected from the most appropriate depth interval near surface, greatest PID reading and/or the interface with groundwater as determined by the environmental professional and will be transferred to laboratory-prepared containers from Eurofins TestAmerica and stored/shipped on ice in lab provided coolers.
- The report will include documentation of field activities, photo log, site map showing pertinent site features and sample locations, topo, soil boring logs, analytical laboratory results, tables and data evaluation/presentation of findings along with recommendations.

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If you should have any question or comments regarding this scope of work, please contact me at (309) 557-6228.

Sincerely,

NewTech Engineering and Environmental, LLC.

Cc
Troy Koehler
Jason Blatner
Jay Christie
Jeff Lynch
Karmy Kays

