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**To:** [Koepke, Cynthia L - DNR](#)  
**Cc:** [Kollasch, Tony](#); [Krause, Jacob](#); [Rennebohm, Jackie](#)  
**Subject:** Bob's Citgo 03-54-000193 Work Plan  
**Date:** Wednesday, October 13, 2021 2:59:47 PM  
**Attachments:** [Soil Contamination & Proposed Boring Locations.pdf](#)

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Cindy,

Following is workplan for additional site investigation activities at the former Bob's Citgo and Badgerland Coop leaking underground storage tank (LUST). The scope of work is intended to address your comments in a letter to Mr. Robert Richardson dated September 10, 2021.

The field work is scheduled for October 18 & 19, 2021.

We propose the installation of up to seven soil borings, sampling soils, locating on-site subsurface utilities, hydraulic conductivity testing, data evaluation, and a letter report.

The attached figure shows the proposed boring locations, and the extent of soil contamination as previously documented and estimated. The figure shows locations for five borings. An additional two borings may be installed as "step out" borings if needed. Up to seven borings may be installed.

## Soil Sampling and Other Field Activities

SCS will:

- Coordinate off-site access with the owner of Jim's Tire & Automotive.
- Install up to six soil borings up to a maximum of depth of 25 feet below ground surface (bgs) depending on site location and potential sources of contamination, and one boring near MW2 to 50 feet bgs, or refusal if very dense or stoney soil is encountered. The purpose of the boring at MW2 is primarily to obtain stratigraphic information to help interpret the site hydrogeology.
- Log and classifying soil following the Unified Soil Classification System (USCS) and screen soils at approximately 2.5-foot intervals using a photoionization detector (PID).
- Analyze up to two soil samples per boring for petroleum volatile organic compounds (PVOCs) and naphthalene.
- Abandon soil borings consistent with NR 141 Wisconsin Administrative Code.
- Map on-site utilities for possible preferred pathways for contaminant migration and preferential recharge to the MW2 area.
- Conduct single well response (slug) tests at up to four selected wells (likely MW1, MW2, MW3 and MW10) and analyze the data to evaluate hydraulic conductivity.

- Shallow soil cuttings with no indication of petroleum contamination, i.e. petroleum odors, staining, and elevated PID readings, will be thin spread on-site or disposed in the on-site trash receptacles.
- Deeper soil cuttings with indications of petroleum contamination will be contained in 5-gallon buckets and left on-site for disposal pending analytical results.

## Reporting

We will submit a brief letter update that documents the field investigation activities and presents the investigation results. The report will include the following:

- Description of sampling activities and laboratory analysis.
- Tabulated results of laboratory chemical analysis along with the historical soil data.
- Boring logs for the new borings and a compilation of existing boring logs for site wells and borings.
- Compilation of boring and wells logs from adjacent sites including private wells.
- Site location map.
- Site figure with soil boring and monitoring well locations.
- Revised extent of contaminated soil map.
- Two geologic cross-sections.
- Recommendations for additional investigation, as appropriate.

Please contact me if you have any questions or comments concerning our proposed site investigation activities.

Thank you,  
Betty

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