

July 14, 2020

Mr. Max Knop
K.P. Kauffman Company, Inc.
World Trade Center
1675 Broadway, Suite 2800
Denver, CO 80202-4825

Re: Scope of Work for Site Investigation, Robert G Berge #2 Spill, Fort Lupton, Weld County, CO

Dear Mr. Knop:

Apex Consulting Services, Inc. (APEX) is pleased to submit this scope of work for conducting a Site Investigation at Robert G Berge #2 Spill west of Fort Lupton, Weld County, CO (SITE). On June 15, 2020, a leak from a flowline was discovered. The leak was repaired and soil in the vicinity of the leak was excavated and disposed. The scope of this proposal is based on our experience with similar work and your correspondence with the Colorado Oil and Gas Conservation Commission (COGCC).

SCOPE OF WORK

Notifications

Upon receipt of authorization to proceed, APEX will arrange to have the utilities located by the Utility Notification Center of Colorado (UNCC) and the tank battery operator. APEX will not be responsible for damage to utilities that cannot be located by UNCC or the tank battery operator. APEX will notify and if necessary, obtain permits for traffic control in Tipple Parkway.

Probing & Temporary Well Installation

APEX will utilize Drill Pro of Thornton, Colorado for drilling/probing services. In an effort to determine the extent of contamination, approximately 10 to 12 probe borings will be installed to depths of approximately 10-20 feet. One of the borings will be completed as a temporary monitoring well. The borings will be completed to the north, south, east and west of the previous excavation. An irrigation ditch is located immediately east of the previous excavation. At least one boring will be completed to the east of the ditch. The soils encountered in each monitoring well boring will be logged by a geologist in the field using USCS soil descriptions and field screening results. Each core will be screened for the presence of contamination utilizing visual and odor indications, and by screening for volatile organic compounds (VOC's) with a photoionization detector (PID). A least one soil sample will be collected from the unsaturated zone in each boring. Also, a groundwater sample will be completed from the temporary monitoring well. The samples will be stored on ice in a cooler and delivered to Summit Scientific of Golden, Colorado under chain-of-custody documentation. The soil samples will be analyzed for benzene, toluene, ethylbenzene and total xylenes (BTEX) and total petroleum hydrocarbons (TPH - C6-C35). The groundwater sample will be analyzed for BTEX.

Ditch and Groundwater Sampling

APEX will sample the private water well located approximately 850' northwest of the spill location (DWR Permit 230133). APEX will also collect water samples from the ditch (at the spill, and at least 200 feet upstream and downstream of the spill). The samples will be analyzed for BTEX, total dissolved solids, sulfates and chlorides.

SCHEDULE

APEX will schedule the work upon approval of the Scope of Work by the COGCC and approval by K.P. Kauffman Company, Inc.

REPORT

APEX will prepare a letter report detailing the work performed. The report will include temporary monitoring well/soil boring completion logs; PID readings from the cores and/or soils; sampling procedures: results of the laboratory analysis: tables: boring/well/sample location maps and our conclusions and recommendations for additional work.

If you have any questions or comments, please call.

Sincerely,

APEX CONSULTING SERVICES, INC.

A handwritten signature in blue ink that reads 'Michael Hattel'.

Michael D. Hattel, P.G., P.E.S.
Principal

MDH:mh

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