



November 11, 2021

Tim Ree
GHD
1801 Old Highway 8
NW Suite 114
St Paul, MN 55112

Subject: Scope of Work and Request for Cost Estimate, Penta Wood Products Superfund Site, Siren Wisconsin

Dear Mr. Ree:

The purpose of the scope of work (SOW) is to continue the remediation system shutdown pilot study at the Penta Wood Products Superfund Site located in Siren, Wisconsin as required by the USEPA approved Remediation System Shutdown Pilot Study Work Plan (GHD, November 12, 2015). The contract will be for a one-year period during January 1 through December 31, 2022 and is intended to cover all known and expected costs. Please provide costs for the SOW as discussed in the tasks below.

Task 1 – Site safety plan preparation

Complete an annual review of the Site-Specific Health and Safety Plan and update accordingly based on the planned work during 2022.

Task 2 – Housekeeping and grounds keeping

Continue general housekeeping and grounds keeping at the Site including:

- Mowing (one time every 3 weeks during May through September, assume eight events)
- Brush and tree removal to maintain integrity of security fencing
- Snowplowing (assume four events)
- Annual fire extinguisher inspection

Task 3 – Semiannual groundwater/LNAPL level monitoring

Conduct groundwater/LNAPL level monitoring at all Site wells on a semiannual basis in April and October 2022. In addition, conduct continuing obligations and well inspections during the monitoring events.

Task 4 – Semiannual groundwater well sampling

Conduct groundwater sampling at twenty-six (26) Site monitoring and extraction wells on a semiannual basis in April and October 2022. Collect quality assurance and quality control (QA/QC) samples during each event. Submit all samples for the following laboratory analyses:

- Pentachlorophenol (PCP)
- Naphthalene

- Benzene, toluene, ethylbenzene, and xylenes (BTEX)
- Dissolved and total metals (arsenic, copper, iron, manganese, and zinc)
- Natural attenuation parameters (alkalinity, hardness, nitrate, sulfate, total organic carbon, dissolved methane, and chloride)

Prior to sampling, purge each well and monitor field parameters (temperature, conductivity, pH, dissolved oxygen, oxidation reduction potential, turbidity, total iron, and total sulfide). Purchase one replacement submersible pump for well purging and sampling.

Task 5 – Semiannual residential well sampling

Conduct residential well sampling at six (6) residential properties surrounding the Site on a semiannual basis in April and October 2022. Also, conduct sampling at the shop well at the Wu property. Prepare notification letters and sample result letters and send to the property owners. Collect quality assurance and quality control (QA/QC) samples during each event. Submit all samples for the following laboratory analyses:

- Pentachlorophenol (PCP)
- Naphthalene
- Benzene, toluene, ethylbenzene, and xylenes (BTEX)

Prior to sampling, purge each well and monitor field parameters (temperature, conductivity, and pH).

Task 6 – Semiannual reporting

Prepare semiannual reports documenting all Site work and submit to USEPA during July 2022 and January 2023. Include summary tables and figures and an evaluation of the monitoring and sampling data with recommendations in the reports. In addition, participate in semiannual progress calls with WDNR and USEPA.

Task 7 – Monthly reporting

Prepare monthly status updates with each invoice. Include a brief description of work that was completed and an update on project budget. Periodically provide updates to the WDNR project manager through phone calls and emails.

Task 8 – Regulatory communications

Participate in unscheduled calls and meetings with WDNR and USEPA as WDNR determines necessary.

Task 9 – Additional work

Develop cost estimates and work plans and initiate additional potential work that may arise during the completion of this scope of work, as WDNR determines necessary. Additional work could include:

- Updating the Operation and Maintenance Plan and Quality Assurance Project Plan
- Planning for soil management, stormwater management, and erosion control
- Providing support for obtaining USEPA funding for wetland excavation and surface debris mitigation
- Responding to questions and/or providing data and information to support USEPA's final decision for future remedial actions

GHD would provide a budget and a specific scope of work for WDNR's review and approval prior to beginning any additional work.

If you have any questions or concerns regarding the content of this letter, please contact me at 715 661-0125.

Sincerely,

A handwritten signature in black ink, appearing to read "Philip E. Richard". The signature is fluid and cursive, with the first name "Philip" being more prominent than the last name "Richard".

Philip E. Richard
Hydrogeologist
Bureau for Remediation & Redevelopment

C: Shelley Fox– WDNR, Madison (via email)