



August 17, 2021

Archie Kollmorgen
Project Manager
Guy F. Atkinson Construction
707 S Grady Way #500
Renton, Washington 98057

Via email: archie.kollmorgen@atkn.com

Regarding: Proposal to Perform Environmental Support Services
 SR 509 – Poulsbo RV – Groundwater Monitoring
 PBS Proposal 40757.022, Phase 0018

Dear Mr. Kollmorgen:

PBS Engineering and Environmental Inc. (PBS) is pleased to submit this proposal to Guy F. Atkinson Construction (Atkinson) to provide environmental support services for the Poulsbo RV site located within the SR 509 Stage 1B project footprint at 23051 Military Road South in Kent, Washington (Project). PBS will implement the groundwater monitoring program laid out in the Remedial Action Work Plan¹, developed by PBS in cooperation with Atkinson and Washington State Department of Transportation (WSDOT) to meet the requirements of SR 509 project specification Section 2.8.4.7.1: Ecology Restrictive Covenant on Poulsbo RV.

This proposal outlines our project approach, scope of work, budget, and schedule for groundwater monitoring services based on our understanding of the project, information provided to us to date, and experience with similar projects.

PROJECT UNDERSTANDING AND APPROACH

The Remedial Action Work Plan (RAWP) for Poulsbo RV (Site) was prepared to meet the general requirements of the Cleanup Action Plan Checklist (Ecology, 2016a) which follows the Model Toxics Control Act (MTCA) cleanup regulations (Washington Administrative Code (WAC) Chapter 173-340). The RAWP describes the cleanup standards for the site, additional site characterization that will be undertaken, the methodology of the cleanup that will be used to achieve the cleanup standards, and the rationale for these decisions.

WSDOT requested that Atkinson submit a work plan for cleanup of the Site for Ecology's review and approval prior commencement of cleanup actions or other Site work. The RAWP is currently in the process of being reviewed by Ecology. Following a preliminary meeting with Ecology, PBS included groundwater characterization by periodic sampling of four existing groundwater wells on site as an element of the work plan. This proposal includes costs for PBS to implement that element of the plan.

¹ **Remedial Action Work Plan- Poulsbo RV** Puget Sound Gateway Program SR 509 Completion, Stage 1B Contract no. 9424
August 17, 2021, PBS Project 40757.022

SCOPE OF WORK

Groundwater Monitoring Events

This scope includes four quarterly monitoring events, followed by two semi-annual monitoring events. It assumes that Atkinson will arrange for the wells to be surveyed. Surveyors should open the monument on each well, remove the well casing cap (if present), and determine the location and elevation of the north side of the rim of the PVC well casing in WA N state plane (US feet) coordinates.

For each event, PBS will gauge depth to water in each monitoring well. Groundwater samples will be obtained using low-flow sampling techniques designed to capture formation water and minimize loss of volatiles. Water quality parameters (pH, temperature, dissolved oxygen, redox potential and conductivity) will be periodically measured throughout the process. Samples will be collected directly into laboratory-supplied containers. One sample from each well, plus one additional duplicate sample, will be submitted to the project laboratory for analysis of the following parameters:

- Total Petroleum Hydrocarbons (TPH) as Diesel by Method NWTPH-Dx (duplicate sample excluded)
- Total Petroleum Hydrocarbons (TPH) as Gasoline by Method NWTPH-Gx
- Benzene, Toluene, Ethylbenzene, and Xylenes (BTEX) by EPA Method 8021B
- PAHs (MW-3 only)
- MTCA-5 Metals (MW-3 only)

Following each groundwater monitoring event, PBS will submit a letter report summarizing the work and tabulating results. Results will also be formatted for, and uploaded to, Ecology's EIM database. The fee proposal below also includes projected time to be devoted to project meetings and communication with the regulator and other stakeholders.

FEE PROPOSAL BREAKDOWN

Senior Hydrogeologist	\$450
Project Hydrogeologist	\$1,920
Staff Geologist/Scientist (Field and EIM Data Management)	\$1,330
CAD/GIS Technician	\$200
Administrative Support	\$95
Laboratory Analysis	\$1,050
<u>Reimbursable Expenses (Mileage, equipment)</u>	<u>\$450</u>
GME Event Subtotal....	\$5,495

TOTAL (Six GME Events)\$32,970

The fees and the terms under which these services are provided will be in accordance with PBS's contract with Atkinson dated January 26, 2021. The contract and this proposal constitute the entire agreement (Agreement) between the parties and may not be changed without prior written consent of the parties.

The pricing and other information contained in this proposal document are proprietary and shall not be duplicated, used, or disclosed, in whole or in part, to other parties without the permission of PBS.

SCHEDULE

PBS is available to begin work on this project immediately upon receipt of a signed copy of this Agreement.

ASSUMPTIONS

- This proposal presents a scope of work and associated costs implementation of the groundwater monitoring scope of the Remedial Action Work Plan document. Scope of work and costs associated with other site investigations, performance monitoring and/or oversight of cleanup actions will be presented in a future proposal and are not included herein.

APPROVAL

Please indicate acceptance of this Agreement by returning a signed copy of this Agreement or a purchase order incorporating the terms and conditions of this Agreement.

Please feel free to contact me at 206.233.9639 or mike.bagley@pbsusa.com with any questions or comments.

Sincerely,

ACCEPTED BY:
Client Company

Mike Bagley, LHG
Project Geologist
PBS Engineering and Environmental Inc.

Signature of Authorized Representative

Name (Please Print)

Title

Date

cc: Tom Mergy, Principal LHG
Kevin Hood, CPESC