

April 13, 2006  
10077.009

Oregon Department of Environmental Quality  
Northwest Region  
2020 SW Fourth Avenue  
Suite 400  
Portland, Oregon 97201-4987

**VIA Email**

**Attention:** Anna Coates

**Subject: Progress Report – February 2006  
Remedial Investigation/Feasibility Study/Interim Removal Action Measures  
Astoria Area-Wide Petroleum Site  
Astoria, Oregon  
DEQ ECSI File #2277**

Dear Ms. Coates:

This letter presents the progress made by the PRP Group in February 2006 on the RI/FS and IRAM development at the Astoria Area-Wide Petroleum Site in Astoria, Oregon. This work is being conducted in response to DEQ Order No. ECSR-NWR-01-11.

**WORK COMPLETED IN FEBRUARY 2006**

High water levels and little or no free-phase hydrocarbon in new monitoring well MW-50 prevented us from performing a baildown test scheduled for February. The socks in all monitoring wells have not yet been replaced to allow evaluation of free product as water levels change. New monitoring wells and soil borings were surveyed and a potentiometric surface map will be prepared once the data are received. Cowlitz Clean Sweep (CCS) of Astoria, Oregon, performed monthly maintenance on the enhanced synthetic and floating absorbent boom system installed in Slip 2.

The pressure differential between the air space in the Port office building and the sub-slab was measured in February. The building appears to be under positive pressure during the periods of blower operation. Supporting data will be presented in a technical memorandum reporting sub-slab data, which is currently in production.

Site-specific risk-based concentrations (RBCs) for soil vapor migration to indoor air were developed using the methodology described in DEQ's Risk-Based Decision Making for the Remediation of Petroleum-Contaminated Sites guidance document.

A work plan for well reconstruction and abandonment was submitted to DEQ on February 2. Three monitoring wells in Industry Street were reconstructed to make them accessible after paving of the street. Three monitoring wells at the former Chevron/McCall bulk plant were abandoned.

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Sampling of ground water and free product in the wells at and near the Delphia Enterprises sites was completed as described in the DEQ-approved work plan addendum dated November 21, 2005.

Data collected as part of the Ecological Risk Assessment Work Plan were received in February. A recommendation of which sample of two should be used as a reference sample is being considered by the group and concurrence from DEQ was requested in March.

Work on the RI Report was continued and was the focus of most of the efforts in February.

The footprint of the proposed redevelopment at the former Mobil/Niemi bulk plant was provided by the developer in January. Detailed foundation plans are needed to design the vapor mitigation component of the IRAM.

Meetings of the PRP Group representatives were held on February 2 and February 10. A meeting between the PRP Group representatives and DEQ representatives was held on February 16.

#### **WORK PLANNED FOR MARCH AND APRIL 2006**

Active project work tasks include the following:

- Prepare and submit to DEQ documentation regarding the 2005 soil vapor sample data and parameters/methods to calculate site-specific soil vapor RBCs. Pending DEQ concurrence with risk assessment approach, install the fourth sub-slab monitoring point (SSP-02) and conduct an additional round of soil vapor sampling in the existing and newly-constructed sub-slab monitoring points per the June 13, 2005 work plan addendum.
  - Conducting a baildown test in MW-50;
  - A technical memorandum describing sub-slab sampling at the Port office building will be completed after evaluation of the second round of sub-slab sampling;
  - Maintenance and replacement of the absorbent boom system in Slip 2;
  - Initiation of the IRAM Work Plan for the redevelopment at the former Mobil/Niemi bulk plant property;
  - Preparation of documentation regarding the undocumented pipelines and structures found during the Bornstein Seafoods development;
  - Documentation of reconstruction of three wells in Industry Street (MW-17, MW-18, and MW-29) and abandonment of three wells (MW-46, MW-47, and MW-48) at the former Chevron/McCall bulk plant will be submitted to DEQ;
  - Preparation of the RI report;
  - Implementation of the work plan for human health risk assessment; and
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- Continued implementation of the work plan for ecological risk assessment.

#### **PROBLEMS ENCOUNTERED AND RESOLUTIONS**

There are no problems requiring resolution in the reporting period.

#### **CLOSING COMMENTS**

Please call me at (503)768-5121 if you have any questions or comments regarding this progress report.

Sincerely,  
*EnviroLogic Resources, Inc.*

*Thomas J. Calabrese*

Thomas J. Calabrese, RG, CWRE  
Principal/Hydrogeologist  
Project Manager

cc: Distribution list attached

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