

MEMORANDUM

Project No.: 020030-001-04

May 5, 2006

To:

Mark Adams, Washington State Department of Ecology

RECEIVED

cc:

Alan Jacobson, A&B Jacobson LLC

MAY 1 5 2006

DEPT OF ECOLOGY

From:

Jeremy Porter, P.E., and Doug Hillman, LHG

Re:

April 2006 Groundwater Monitoring Results

2801 NW Market Street, Seattle, Washington

This memo summarizes groundwater monitoring for chlorinated solvents conducted on April 21, 2006, at the Market Street Site and the Jacobson Terminals Site located in Seattle, Washington. The purpose of this memo is to update the summary of site conditions presented in the VCP Status Memo (Aspect 2005), which is currently being reviewed by Ecology.

Groundwater monitoring was conducted in accordance with the long-term groundwater monitoring schedules for the above-referenced sites. In addition to the normal monitoring program, two additional groundwater samples were collected using a direct-push probe in an area between former well MW-21S and the Lake Washington Ship Canal. Well MW-21S was located on the City of Seattle property before being abandoned in October 1999 during construction of the Market Street Site treatment wall. Historical monitoring at MW-21S indicated cleanup level exceedences of perchloroethene (PCE), trichloroethene (TCE), cis-1,2-dichloroethene (cis-DCE), and vinyl chloride (VC). Groundwater modeling performed during design of the Market Street cleanup action indicated that these levels would attenuate to below site cleanup levels the Lake Washington Ship Canal.

Soil borings SP-61 and SP-62 were advanced between the former location of MW-21S and the Ship Canal, approximately 30 feet north (upgradient of the Ship Canal). An updated site and exploration plan is provided in Figure 1. A temporary screen was installed at a depth of 9 to 12 feet, at the same approximate elevation as the former MW-21S well screen interval. Grab samples were collected using low-flow purging and sampling techniques.

VOC concentrations at SP-61 and SP-62 were generally non-detect, with one detection of VC at a concentration of 0.9 ug/L, which is below the site cleanup level. Concentrations of PCE, TCE, cis-DCE, and VC for the April 2006 monitoring event are provided on Figure 2.

The sampling results confirm previous modeling predictions that chlorinated VOC occurrences in groundwater near former well MW-21S attenuate before reaching the Ship Canal.

Attachments: Figure 1 – Site and Exploration Plan

Figure 2 – Performance Monitoring Results April 2006

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