



City of Bothell

July 15, 2011

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Lydia Lindwall
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Re: Progress Report for period ending June 2011

Site Name: **BOTHELL LANDING**
Site Address: 18120, 18132, and 18126 Bothell Way NE, Bothell 98011, 10001 Woodinville Dr.,
Bothell 98011
Parcel Numbers: 3945720-0015 and 945720-0020
Facility/Site No.: 73975762
Agreed Order No.: DE 6294

Date submitted: July 15, 2011
Reporting Period: April 1 - June 30, 2011

Summary:

The City of Bothell (City/PLP) continues to make progress on work at the Bothell Landing site (Landing), which is under Agreed Order DE 6294 as amended on June 9, 2010. In accordance with the requirements of the Agreed Order schedule of deliverables, the attached progress report has been prepared for the three-month period preceding this submittal to satisfy the terms of the Order.

For this reporting period much of the work has focused on planning efforts for the remedial investigation that is required for completion of the RI/FS task in the Order. The attached progress report provides an update on the work completed for the period ending June 30, 2011.

Please contact me if you have any questions.

Sincerely,

Nduta Mbuthia

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PROGRESS REPORT

Prepared for
DEPARTMENT OF ECOLOGY

SITE: BOTHELL LANDING

Agreed Order No.:	DE 6294
PLP Name:	City of Bothell
Facility/Site No.:	73975762
Effective Date:	February 3, 2009
Amendment No. 1:	June 9, 2010
Reporting Period:	April 1 - June 30, 2011
Date submitted:	July 15, 2011
Prepared by:	Nduta Mbutia, Project Engineer City of Bothell, Public Works Department 9654 NE 182 nd Street, Bothell, WA, 98011 Phone: 425.806.6829 Email: nduta.mbutia@ci.bothell.wa.us



City of Bothell™

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Actions taken by PLP/City to comply with the Agreed Order (AO)

Early planning activities for the remedial investigation (RI) scope of work began during this period - this RI supersedes the previous Ecology-approved RI that was conducted in 2009. City staff and consultant participated in a phone conference with Ecology on April 21st to walk through Ecology's March 17th red-lined comments to the draft work plan document. During the last reporting period, the City submitted a draft Remedial Investigation/Feasibility study (RI/FS) work plan for Bothell Landing Site (HWA, March 7, 2011) including a Sampling & Analysis Plan (SAP) and a Health & Safety Plan (HSP). Ecology and the City had subsequently attended a meeting in Bothell on March 29th to discuss the work plan.

Following the April 21st meeting, the City began working on a revision to the first draft of the RI/FS work plan. The main revisions involved addressing Ecology comments relating to an expansion of the original scope to encompass an area-wide groundwater investigation under the Landing AO. Ecology had also requested for the development of an area-wide monitoring well network. The revised document was submitted to Ecology on June 16th and included a new graphic showing a proposed monitoring well network layout consisting of 36 current/existing wells supplemented with 14 new/proposed wells.

City staff and consultant then met with Ecology's site manager for a regularly scheduled monthly meeting on June 23rd, during which Ecology provided the City with a graphic that had revisions to the proposed monitoring well network. This revision showed 9 new wells in addition to those originally proposed. As of the end of this reporting period, the City is reviewing the proposed revisions and will provide a revised monitoring well network figure which, upon receiving concurrence, will be incorporated into the Final RI/FS work plan for Landing.

Regarding completion of the interim action cleanup work that was slated for the 2011/2012 construction season, the City sent Ecology a notification of delay letter dated May 12, 2011 that described the circumstances behind the unforeseen schedule impacts. Ecology sent a response letter dated June 2, which was later superseded by another dated June 28, 2011. As of the end of this reporting period, the City is working on responding to comments provided on the letter.

In the last week of June the City also coordinated field investigation activities with the King County Brownfields Program (KCBP) who, using their consultant (CDM), conducted sampling activities in the area down-gradient of the former drycleaner, Ultra/Raincheck Cleaners. Previous investigations conducted by CDM in 2008/2009 surmised that the solvent plume originating from Ultra/Raincheck had down-gradient impacts on several properties. This 2011 effort will further assist with delineation of the solvent plume extents, and is described in the Landing RI/FS work plan as the phase 1 activity. The work was performed under the oversight of the U.S. Environmental Protection Agency (EPA), which is funding the effort through a Brownfields assessment grant; and is the approval authority for the Quality Assurance and Project Plan (QAPP) developed by CDM. A copy of the QAPP, which defines the study objectives and the sampling locations, was provided to Ecology on June 29th.

Summaries of sampling and testing results and other data received by the PLP

During this period there was no new sampling or testing data received by the City. However, as described above, the investigative work performed by KCBP/CDM will yield new data that will be provided to Ecology in the next quarterly reporting period.

Deviations from the approved work plans

None

Contacts with outside entities, government agencies or tribal governments

During this reporting period there was contact with EPA's Site Officer (EPA is funding a portion of the Landing cleanup as well as KCBP's assessment work); and contact with KCBP's project coordinator as

described above. Ecology's site manager also initiated contact with both of these agency contacts and the City was involved in some of the ensuing communications.

Deviations, problems or anticipated problems in meeting the schedule or work plan objectives

There was the unanticipated hurdle to overcome on the Crossroads Phase III construction project, which resulted in an impact to the cleanup schedule. The interim cleanup action at Landing was to be completed during the 2011/2012 season. However, it is anticipated that the permitting issues impeding work on this project will be resolved in time to allow for the project to resume at the end of this year.

Solutions developed, implemented or planned to address problems or delays

Discussions are currently underway with the agencies involved in the permitting process (see above).

Changes in key personnel

None

Work planned for next reporting period

During the next reporting period, the following activities are anticipated:

- Address Ecology's third round of comments to the draft RI/FS work plan and finalize the document; submit Final RI/FS work plan
- Ongoing grant and project administration, management and reporting

Budget Plan

Table Summarizing Grant Eligible Expenses by Task for Period Ending June 30, 2011

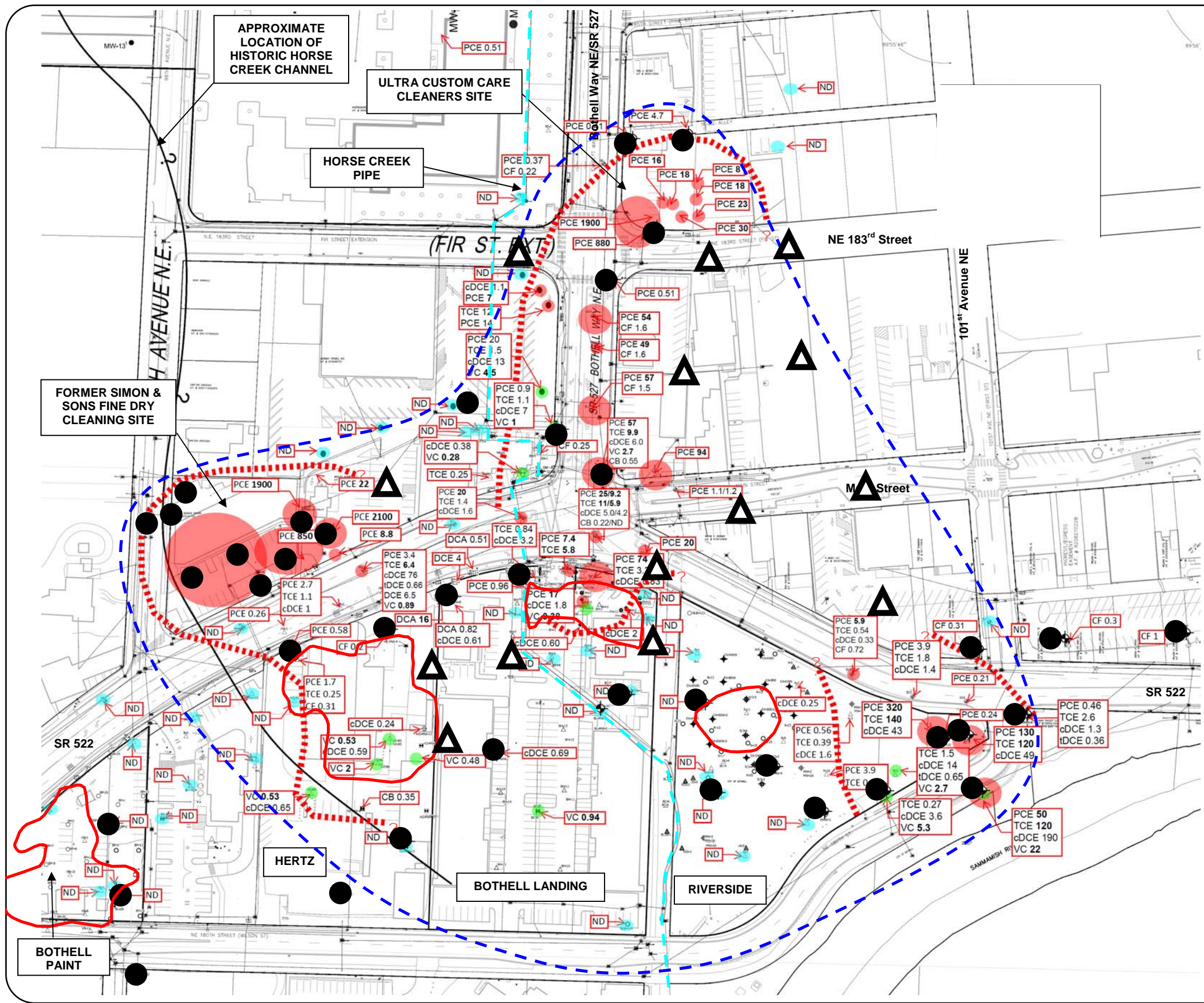
Task No.	Project Task Name	Original Budget (10/6/10)	Rev. Budget (amended 11/3/2010)	Current Budget (amended 5/31/2011)	Maximum Reimbursable Amount	Amount Reimbursed by Grant (thru 4/29)
1	Bothell Landing	\$212,000	\$1,800,000	\$1,600,000	\$800,000	\$212,740
2	Bothell Paint & Decorating	\$520,000	\$1,710,000	\$1,200,000	\$600,000	\$286,629
3	Bothell Riverside	\$212,000	\$1,230,000	\$1,100,000	\$550,000	\$137,238
4	Bothell Hertz	\$212,000	\$1,230,000	\$1,400,000	\$700,000	\$276,958
5	Grant & Project Administration	\$ 96,000	\$ 180,000	\$ 357,452	\$178,726	\$ 61,811
		\$1,040,000	\$4,920,000	\$5,657,452	\$2,828,726	\$975,376

Budget Projection

During this reporting period, City staff coordinated with Ecology's grant manager on a budget revision to fund work in the upcoming biennium (2011-2013). The original grant agreement (G0900245) for \$2,460,000 was closed out and replaced on May 31st, with a new grant agreement (G1100263) of \$2,828,726 in carryover funds. In addition to funding the interim cleanup action work remaining on Landing and one other MTCA site, this revised budget is now also able to accommodate the changes to the scope of the Bothell Landing RI work, which was expanded to incorporate an area-wide groundwater study. This expanded scope of work will go towards the completion of the RI/FS for Landing and two other MTCA sites.

Attachments

- 1) Map showing solvent groundwater impacts based on data currently in hand (HWA)
- 2) Exploration map extracted from QAPP (CDM, 2011)



LEGEND

- PCE > 50 ug/L
- Any Chlorinated VOC > MTCA A
- Existing monitoring well
- ▲ Future monitoring well (typical)
- All Chlorinated VOCs ND
- Approximate Extent of HVOCP plume
- 2010 TPH Cleanup areas
- Approximate Extent of RI Study Area

ABBREVIATIONS

PCE	Tetrachloroethene
TCE	Trichloroethene
DCE	Dichloroethene
cDCE	(cis) 1,2-Dichloroethene
tDCE	(trans) 1,2-Dichloroethene
DCA	Dichloroethane
VC	Vinyl Chloride
CF	Chloroform
CB	Chlorobenzene
VOC	Volatile Organic Compound
ND	Not Detected At Laboratory's Reporting Limit
ug/L	Micrograms per Liter

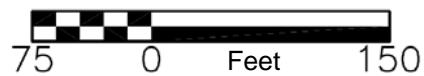
NOTES

- Sample and chlorinated VOC plume boundary locations are approximate.
- Concentration values in **bold** exceed MTCA Method A groundwater cleanup level.

MTCA METHOD A GROUND WATER CLEANUP LEVELS (ug/L)

PCE	5.0
TCE	5.0
DCE	Not Established
cDCE	Not Established
tDCE	Not Established
DCA	Not Established
VC	0.2
CF	Not Established
CB	Not Established





POTENTIAL EXPLORATION LOCATIONS

**BOTHELL LANDING SITE
REMEDIAL INVESTIGATION WORK PLAN
BOTHELL, WASHINGTON**

FIGURE NO.

10

PROJECT NO.

2007-098-929



HWA GEOSCIENCES INC.