



City of Bothell™

October 8, 2010

Jerome Cruz, Ecology Site Manager  
Washington State Department of Ecology  
Northwest Regional Office Toxic Cleanup Program  
3190 160<sup>th</sup> Avenue SE  
Bellevue, Washington 98008-5452

Attention: Jerome Cruz, Ph. D.

**Re: Progress Report for period ending September 2010**

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: October 8, 2010  
Reporting Period: July 1 - September 30, 2010

Dear Dr. Cruz,

City of Bothell (City or PLP) continues to make progress on work to be performed for the Bothell Landing site (Site), under the Agreed Order with Ecology as amended on June 9, 2010. During this period, much of the work was geared towards preparing for the upcoming construction season, during which the implementation of cleanup work is planned as an interim action.

Attached is a progress report which provides an update on the milestones achieved for the period ending September 30, 2010 for the Site. Please contact me if you have any questions.

Sincerely,  
Nduta Mbutia

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Public Works Departments  
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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:	<b>July 1 - September 30, 2010</b>
Date submitted:	October 8, 2010
Prepared by:	Nduta Mbutia, Project Engineer City of Bothell, Public Works Department 9654 NE 182 <sup>nd</sup> Street, Bothell, WA, 98011 Phone: 425.806.6829. Email: <a href="mailto:nduta.mbutia@ci.bothell.wa.us">nduta.mbutia@ci.bothell.wa.us</a>



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**Table of Contents**

Actions taken by PLP to comply with the Agreed Order .....	3
Summaries of sampling and testing reports and other data received by the PLP .....	3
Deviations from approved work plans .....	3
Contacts with outside entities, government agencies or tribal governments.....	3
Deviations, problems or anticipated problems in meeting the schedule or work plan objectives .....	4
Solutions developed, implemented or planned to address problems or delays .....	4
Changes in key personnel .....	4
Work planned for next reporting period .....	4
Budget Plan.....	4
Budget Projection.....	4
Attachments .....	4

## **Actions taken by PLP to comply with the Agreed Order (AO)**

Upon execution of Amendment No. 1 to the existing AO on June 9, 2010, the scope of work under the AO was expanded to include implementation of an interim cleanup action at the Landing site. The scope of the interim cleanup action specifically involves excavation and disposal of petroleum-contaminated soils from the site, followed by backfilling with oxygen release compound (ORC) and clean fill material in the remediation areas as identified in the Ecology-approved Interim Action work plan (IAWP).

A construction contract package was developed by the City's design and environmental consultants, depicting the planned remediation area for this site as well as for several adjacent parcels. The construction contract was advertised for bids under the umbrella of the Bothell Crossroads Phase II project, and was awarded to the low bid contractor on July 20, 2010. The scope of work under this contract is comprised of site preparation, soil remediation/cleanup and soil preloading work. This phase is scheduled for completion at the end of the year.

The contractor effectively began work on the construction contract on August 16, 2010 and implemented a construction work plan and schedule with construction activities beginning at the western project limit and progressing eastward. Construction work items for each site were then performed and tracked separately for each individual parcel. The City engaged its environmental consultant to monitor all the cleanup activities, perform confirmation sampling, assist with waste profiling, assist with tracking cleanup and backfill quantities, ensure compliance with the cleanup work plans and contract plans & specifications, and ensure compliance with state and federal regulations throughout the cleanup process.

The cleanup work on this site began on September 21 and was completed on October 1, 2010. An area of approximately 7,700 square feet was excavated to depths ranging from 6 to 14 feet. This resulted in the removal and disposal of 3,600 tons of contaminated soils, followed by the application of 2,500 lbs of ORC and the installation a visqueen barrier to isolate the clean fill from the inaccessible remediation areas. The inaccessible areas with contaminated soils are mainly beneath the still active highway/SR 522, which will become accessible during the next construction phase.

## **Summaries of sampling and testing reports and other data received by the PLP**

During this reporting period, all the environmental data collection occurred during the actual cleanup activities at the site, specifically, confirmation sampling in compliance with the IAWP. The process was mostly iterative, with samples being collected at various stages of the remediation work.

Initial test pits were dug within and around the planned remediation areas in order to delineate the excavation/s extents both vertically and laterally. Once excavation was underway, several rounds of confirmation sampling were conducted on the excavation floor and on the sidewalls until the final sampling results documented that compliance with the cleanup levels identified in the approved work plans (IAWP) had been attained.

As of the end of this reporting period, data evaluation, analysis and tabulation of all the data collected had began. These data will then be compiled into a cleanup summary report that will be provided to Ecology during a future 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 Ecology's Site Manager, Jerome Cruz as well as the U.S. Environmental Protection Agency, which is also funding a portion of the cleanup at the site.

Contact mainly involved providing progress updates on the cleanup work as well as project site visits. There was no contact with local representatives of the community, public interest groups, the press or tribal governments.

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

None

**Solutions developed, implemented or planned to address problems or delays**

None needed

**Changes in key personnel**

There was one change: project coordinator for the City was changed from Steven Morikawa to Nduta Mbuthia. This became effective in June, upon execution of the amendment to the AO.

**Work planned for next reporting period**

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

- Data analysis, evaluation and tabulation
- EIM data input
- Begin developing a draft cleanup summary report for the site
- Begin developing a contract bid package for the remainder of site cleanup under the road (during Crossroads Ph III)
- Ongoing grant and project administration, management and reporting

**Budget Plan**

Table Summarizing Grant Eligible Expenses by Task for Period Ending September 30, 2010

Project Task Number	Project Task Name	Original Budget for eligible costs	Current Budget for eligible costs (Revised on 11/17/2009)	Maximum Fund Amount	Fund Reimbursement Amount-to-date
1	Bothell Landing	\$388,000	\$373,000	\$186,500	\$ 84,320
2	Bothell Paint & Decorating	\$306,000	\$291,000	\$145,500	\$ 82,667
3	Bothell Riverside	\$306,000	\$291,000	\$145,500	\$ 96,828
4	Grant & Project Administration	\$ 40,000	\$ 85,000	\$ 42,500	\$ 38,172
		<b>\$1,040,000</b>	<b>\$1,040,000</b>	<b>\$ 520,000</b>	<b>\$ 301,987</b>

**Budget Projection**

A request for supplemental funds was submitted to Ecology’s Grant Manager on September 29, 2010. The additional funds are anticipated to cover the costs for cleanup work completed under the amended AO, one year of groundwater monitoring upon completion of the interim actions as well as for completing the Remedial Investigation/Feasibility study (RI/FS) for the site.

**Attachments**

Project photos



LANDING SITE: BEFORE (COMMERCIAL/STRIP MALL)



LANDING SITE: DURING DEMOLITION PHASE



DURING EXCAVATION (TOP) & DURING BACKFILL AND ORC + VISQUEEN BARRIER APPLICATION (BOTTOM)







