



City of Bothell™

January 4, 2021

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

Re: Quarterly Progress Report

Reporting Period: October – December 2020

Site Names: **BOTHELL LANDING**
BOTHELL PAINT & DECORATING
BOTHELL FORMER HERTZ

Summary:

City of Bothell continues to implement the Cleanup Action Plans for the afore-mentioned sites as part of the Agreed Orders between the City and the Department of Ecology. Per the requirements of Section VII of the Agreed Orders “Work to be Performed”, the attached quarterly progress reports (QPRs) have been prepared for the three-month period preceding this submittal.

Kane Environmental continues to conduct the quarterly groundwater monitoring for all three sites.

Please contact me if you have any questions.

Sincerely,

Nduta Mbuthia

Nduta Mbuthia

Public Works Department
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Bothell, WA 98011
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Reporting Period: October – December 2020
 Date submitted (electronically): January 4, 2021
 Date mailed (certified w/return receipt): *(deferred due to COVID-19 Stay at Home Order)*
 Prepared by: Nduta Mbuthia, Project Coordinator
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- A. A list of on-site activities that have taken place during the reporting period;
- B. Detailed description of any deviations from required tasks not otherwise documented in project plans or amendment requests;
- C. Description of all deviations from Schedule (Exhibit D) during the current reporting period
- D. For any deviations in schedule, a plan for recovering lost time and maintaining compliance with the schedule
- E. All raw data (including laboratory analyses) received by PLP during the past reporting period and an identification of the source of the sample; and
- F. A list of deliverables for the upcoming reporting period if different from the schedule.

Site Name: **BOTHELL LANDING**
 Agreed Order No.:15746, Effective date June 11, 2018

- A. **A list of on-site activities that have taken place during this quarter**
 Groundwater compliance monitoring for the fall quarter was performed in October 2020.
- B. **Detailed description of any deviations from required tasks not otherwise documented in project plans or amendment requests**
 None
- C. **Description of all deviations from the Schedule (Exhibit D) during the current quarter and any planned deviations in the upcoming quarter**
 None.
- D. **For any deviations in schedule, a plan for recovering lost time and maintaining compliance with the schedule**
 None; GW compliance monitoring schedule below received Ecology site manager’s concurrence:-
Q1 – Winter 2019: March 5, 2019 – March 15, 2019
Q2 – Spring 2019: May 20, 2019 – June 3, 2019
Q3 – Summer 2019: July 15, 2019 - August 5, 2019
Q4 – Fall 2019: October 7, 2019 – October 25, 2019
Q5 – Winter 2020: January 6, 2020 – January 20, 2020
Q6 – Spring 2020: Week of April 6, 2020 through week of April 20, 2020
Q7 – Summer 2020: Week of July 6, 2020 through week of July 20, 2020
Q8 – Fall 2020: Week of October 5, 2020 through week of October 19, 2020
Q9 – Winter 2021: PENDING
- E. **All raw data (including laboratory analyses) received by Defendants during the past quarter and an identification of the source of the sample**
 Groundwater compliance monitoring was conducted per the CMP Table 3-1B (as modified below). Table of the sampling results is attached.

**Table 3-1B
Sampling Approach – Ground Water
SUBSEQUENT ROUNDS**

Sample type	Sampling location	Sampling Frequency / Rationale	Analytes
Arsenic			
Point of compliance	BLMW-11 BLMW-12 MW-1	Quarterly for two years, then modify based on results and consultation with Ecology*	Total Arsenic Dissolved Arsenic Total petroleum hydrocarbons, diesel and oil range TPH-D, TPH-O, Field parameters

* If compliance monitoring from the Site shows that the arsenic remains at elevated concentrations for eight quarters of monitoring, with no other detections of petroleum hydrocarbon contamination, this data can be used to demonstrate that the elevated concentrations represents a locally high natural background for arsenic. Based on this evidence, a request can be made to remove the institutional controls for ground water at the site and discontinue monitoring.

*Naphthalene,
Methylnaphthalene, &
2-Methylnaphthalene*

LANDING – To include in A. *A list of on-site activities that have taken place during this quarter*

During a meeting with Jerome Cruz, Ching Pi and John Kane, Naphthalene, 1-Methylnaphthalene, and 2-Methylnaphthalene will continued to be included in compliance groundwater monitoring for one well, BL-MW-12 only. Concentrations of these chemicals were above their respective MTCA cleanup standard.

- F. A list of deliverables for the upcoming quarter if different from the schedule.
 Same as the schedule

EXHIBIT D

**Bothell Landing Facility
 Schedule of Deliverables**

<u>Deliverables.</u>	<u>Due Date</u>
Draft Institutional Control (IC) Plan; Draft Environmental Covenant(s); and a Title Report	Within 120 days after the effective date of the Agreed Order
Final IC Plan and Final Environmental Covenant(s)	Within 30 days of receipt of Ecology comments on the Draft IC Plan and Draft Environmental Covenant(s).
Record Final Environmental Covenant(s) with King County Auditor	Within 5 days after Ecology's approval of the Final IC Plan or Ecology's signature as grantee of the Final Environmental Covenant(s), whichever occurs last.
Start ground water monitoring	Within 90 days after final CAP is approved
Combined TPH/Arsenic ground water monitoring	Quarterly for two years, then modify based on results and consultation with Ecology
Combined TPH/Arsenic ground water monitoring reports	90 days after 4 th quarter sampling
Progress reports	Every 3 months unless Ecology authorizes less frequent reporting

Site Name: BOTHELL PAINT & DECORATING
Agreed Order No.: 15748 (Effective date May 31, 2018)

A. A list of on-site activities that have taken place during this quarter

Groundwater compliance monitoring for the spring quarter was performed in October 2020; sampling results are attached.

B. Detailed description of any deviations from required tasks not otherwise documented in project plans or amendment requests

None

C. Description of all deviations from the Schedule (Exhibit D) during the current quarter and any planned deviations in the upcoming quarter

None

D. For any deviations in schedule, a plan for recovering lost time and maintaining compliance with the schedule

None; GW compliance monitoring schedule below received Ecology site manager's concurrence:-

Q1 – Winter 2019: March 5, 2019 – March 15, 2019

Q2 – Spring 2019: May 20, 2019 – June 3, 2019

Q3 – Summer 2019: July 15, 2019 - August 5, 2019

Q4 – Fall 2019: October 7, 2019 – October 25, 2019

Q5 – Winter 2020: January 6, 2020 – January 20, 2020

Q6 – Spring 2020: Week of April 6, 2020 through week of April 20, 2020

Q7 – Summer 2020: Week of July 6, 2020 through week of July 20, 2020

Q8 – Fall 2020: Week of October 5, 2020 through week of October 19, 2020

Q9 – Winter 2021: PENDING

E. All raw data (including laboratory analyses) received by Defendants during the past quarter and an identification of the source of the sample

Groundwater compliance monitoring was conducted per the CMP Table 3-1B below. Table of the sampling results is attached.

**Table 3-1B
Sampling Approach – Ground Water
SUBSEQUENT ROUNDS**

Sample type	Sampling location	Sampling Frequency / Rationale	Analytes
Petroleum hydrocarbons – Ground Water			
Point of Compliance	BPMW-6 BPMW-2R* BC-10	Quarterly for two years, then modify based on results and consultation with Ecology Duration: 5 years BC-10 will be monitored for two quarters to confirm compliance, if results exceed cleanup levels, monitoring will be the same as other wells.	Total petroleum hydrocarbons, diesel and oil range TPH-D, TPH-O, nitrate, manganese (soluble), sulfate, methane, alkalinity. Field parameters: dissolved oxygen, redox potential, pH, conductivity, temperature, ferrous iron
Petroleum hydrocarbons – Storm Water			
1 sample upgradient of Site, 2 samples on Site	See Figure 2	One time event	Total petroleum hydrocarbons, gasoline, diesel and oil range, BTEX TPH-G/BTEX, TPH-D, TPH-O, HVOCS
Arsenic – Ground Water			
Point of compliance	BPMW-1 BPMW-6 BC-10 BC-11	Same as petroleum hydrocarbon, but with additional quarterly monitoring for two years if TPH decreases to be in compliance** BC-10 will be monitored for two quarters to confirm compliance, if results exceed cleanup levels, monitoring will be the same as other wells.	Total Arsenic Dissolved Arsenic Field parameters

* BPMW-2R is a replacement well to be installed 30 to 35 feet northwest of BPMW-2, which was located in the middle of the newly constructed Horse Creek and therefore decommissioned.

- F. A list of deliverables for the upcoming quarter if different from the schedule.
Same as the schedule

EXHIBIT D

Bothell Paint & Decorating Facility Schedule of Deliverables

<u>Deliverables.</u>	<u>Due Date</u>
Draft Institutional Control (IC) Plan; Draft Environmental Covenant(s); and a Title Report	Within 120 days after the effective date of the Agreed Order
Final IC Plan and Final Environmental Covenant(s)	Within 30 days of receipt of Ecology comments on the Draft IC Plan and Draft Environmental Covenant(s).
Record Final Environmental Covenant(s) with King County Auditor	Within 5 days after Ecology's approval of the Final IC Plan or Ecology's signature as grantee of the Final Environmental Covenant(s), whichever occurs last.
Start ground water monitoring	Within 90 days after final CAP is approved
Combined TPH/MNA/Arsenic ground water monitoring	Quarterly for two years, then modify based on results and consultation with Ecology Duration: 5 years unless a different action is triggered by the decision tree shown in table 1 of the dCAP
Combined TPH/MNA/Arsenic ground water monitoring reports	90 days after 4 th quarter sampling Annually for a minimum of 5 years unless a different action is triggered by the decision tree shown in table 1 of the dCAP
Progress reports	Every 3 months unless Ecology authorizes less frequent reporting

Site Name:	BOTHELL HERTZ
Agreed Order No.:	15747 (Effective date May 31, 2018)

A. A list of on-site activities that have taken place during this quarter

Groundwater compliance monitoring for the spring quarter was performed in October 2020; sampling results are attached.

B. Detailed description of any deviations from required tasks not otherwise documented in project plans or amendment requests

None

C. Description of all deviations from the Schedule (Exhibit D) during the current quarter and any planned deviations in the upcoming quarter

None

G. For any deviations in schedule, a plan for recovering lost time and maintaining compliance with the schedule

None; GW compliance monitoring schedule below received Ecology site manager's concurrence:-

Q1 – Winter 2019: March 5, 2019 – March 15, 2019

Q2 – Spring 2019: May 20, 2019 – June 3, 2019

Q3 – Summer 2019: July 15, 2019 - August 5, 2019

Q4 – Fall 2019: October 7, 2019 – October 25, 2019

Q5 – Winter 2020: January 6, 2020 – January 20, 2020

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Q7 – Summer 2020: Week of July 6, 2020 through week of July 20, 2020

Q8 – Fall 2020: Week of October 5, 2020 through week of October 19, 2020

Q9 – Winter 2021: PENDING

D. All raw data (including laboratory analyses) received by Defendants during the past quarter and an identification of the source of the sample

Groundwater compliance monitoring was conducted per the CMP Table 3-1B below. Table of the sampling results is attached.

E. A list of deliverables for the upcoming quarter if different from the schedule.

Same as the schedule

**Table 3-1B
Sampling Approach – Ground Water
SUBSEQUENT ROUNDS**

Sample type	Sampling location	Sampling Frequency / Rationale	Analytes
Petroleum hydrocarbons – Ground Water			
Point of Compliance	HZMW-19 BLMW-8 BC-16	Quarterly for two years, then modify based on results and consultation with Ecology Duration: 5 years	Total petroleum hydrocarbons, diesel and oil range TPH-D, TPH-O, nitrate, manganese (soluble), sulfate, methane, alkalinity. Field parameters: dissolved oxygen, redox potential, pH, conductivity, temperature, ferrous iron
Arsenic – Ground Water			
Point of compliance	HZMW-1 HZMW-4 HZMW-12 HZMW-17 BC-16	Same as petroleum hydrocarbon, but with additional quarterly monitoring for two years if TPH decreases to be in compliance** BC-10 will be monitored for two quarters to confirm compliance, if results exceed cleanup levels, monitoring will be the same as other wells.	Total Arsenic Dissolved Arsenic Field parameters

EXHIBIT D

Bothell Former Hertz Facility Schedule of Deliverables

<u>Deliverables.</u>	<u>Due Date</u>
Draft Institutional Control (IC) Plan; Draft Environmental Covenant(s); and a Title Report	Within 120 days after the effective date of the Agreed Order
Final IC Plan and Final Environmental Covenant(s)	Within 30 days of receipt of Ecology comments on the Draft IC Plan and Draft Environmental Covenant(s).
Record Final Environmental Covenant(s) with King County Auditor	Within 5 days after Ecology's approval of the Final IC Plan or Ecology's signature as grantee of the Final Environmental Covenant(s), whichever occurs last.
Start ground water monitoring	Within 90 days after final CAP is approved
Combined TPH/MNA/Arsenic ground water monitoring	Quarterly for two years, then modify based on results and consultation with Ecology Duration: 5 years unless a different action is triggered by the decision tree shown in table 1 of the dCAP
Combined TPH/MNA/Arsenic ground water monitoring reports	90 days after 4 th quarter sampling Annually for a minimum of 5 years unless a different action is triggered by the decision tree shown in table 1 of the dCAP
Progress reports	Every 3 months unless Ecology authorizes less frequent reporting