



City of Bothell™

January 3, 2019

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 #3

Reporting Period: Oct 1 – Dec 31, 2018

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.

As noted in the previous QPR, Kane Environmental conducted the first quarter of compliance monitoring and with the Ecology’s site manager’s concurrence, will continue conducting the quarterly groundwater monitoring for all three sites going forward. Work on the environmental covenants is still underway and is currently being coordinated by the respective legal staff at Ecology and City.

Please contact me if you have any questions.

Sincerely,

Nduta Mbuthia

Nduta Mbuthia

Reporting Period: Oct 1 – Dec 31, 2018
Date submitted (electronically): January 3, 2019
Date mailed (certified w/return receipt): January 2019
Prepared by: Nduta Mbuthia, Project Coordinator
City of Bothell, Public Works Department
Phone: 425.806.6829
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CONTENTS

- 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 Oder No.:15746, Effective date June 11, 2018
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A. A list of on-site activities that have taken place during this quarter

The following on-site activity has occurred this quarter: Groundwater compliance monitoring planning efforts are underway to perform winter quarter sampling activities in January 2019. Sampling results from the previous quarter were tabulated and updated with additional information (see attached).

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

There have been no deviations this quarter

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

There has been a deviation from the schedule this quarter with regard to finalizing the Environmental Covenants (ECs) for the site. According to the deliverables schedule, the Final ECs were due 30 days after receiving Ecology's comments which were provided on October 30th at a meeting with the respective staff and counsel at City offices. After discussions with the AG's office, on December 24th the City's legal team requested a time extension to continue working on the ECs along with continued coordination with Ecology's legal team/AG office.

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

The City's legal team requested a time extension to continue working on the Environmental Covenants. A plan for recovering lost time is still pending.

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

The second round of groundwater compliance monitoring (YR-1) was conducted per the CMP Table 3-1B and sampling results were previously provided to Ecology (also attached to this QPR).

**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.

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 Oder No.:	15748 (Effective date May 31, 2018)

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

The following on-site activity has occurred this quarter: Groundwater compliance monitoring planning efforts are underway to perform winter quarter sampling activities in January 2019. Sampling results from the previous quarter were tabulated and updated with additional information (see attached). The missing wells that were to be replaced (BC11 & BPMW2R) were installed at City's cost, and sampled this quarter.

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

There have been no deviations this quarter

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

There has been a deviation in the schedule this quarter with regard to finalizing the Environmental Covenants (ECs) for the site. According to the deliverables schedule, the Final ECs were due 30 days after receiving Ecology's comments which were provided on October 30th at a meeting with the respective staff and counsel at City offices. After discussions with the AG's office, on December 24th the City's legal team requested a time extension to continue working on the ECs along with continued coordination with Ecology's legal team/AG office.

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

The City's legal team requested a time extension to continue working on the Environmental Covenants. A plan for recovering lost time is pending.

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

The second round of groundwater compliance monitoring (YR-1) was conducted per the CMP Table 3-1B and sampling results were previously provided to Ecology (also attached to this QPR)

**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 Oder No.:	15747 (Effective date May 31, 2018)

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

The following on-site activity has occurred this quarter: Groundwater compliance monitoring planning efforts are underway to perform winter quarter sampling activities in January 2019. Sampling results from the previous quarter were tabulated and updated with additional information (see attached). The missing well that was to be replaced (BLMW8) was installed at City's cost, and sampled in December.

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

There have been no deviations this quarter

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

There has been a deviation in the schedule this quarter with regard to finalizing the Environmental Covenants (ECs) for the site. According to the deliverables schedule, the Final ECs were due 30 days after receiving Ecology's comments which were provided on October 30th at a meeting with the respective staff and counsel at City offices. After discussions with the AG's office, on December 24th the City's legal team requested a time extension to continue working on the ECs along with continued coordination with Ecology's legal team/AG office.

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

The City's legal team requested a time extension to continue working on the Environmental Covenants. A plan for recovering lost time is pending.

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

The second round of groundwater compliance monitoring (YR-1) was conducted per the CMP Table 3-1B and sampling results were previously provided to Ecology (also attached to this QPR).

**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

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

Same as the schedule

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

Table 2
Compliance Groundwater Sampling
Bothell Landing Site
Bothell, Washington

Sample ID	Sample Date	Approximate Depth to Groundwater	Diesel Range Organics	Heavy Oil Range Organics	Total		Total		Total		Total		Total		Naphthalene	1-Methylnaphthalene	2-Methylnaphthalene	Other Semi-Volatile Organic Compounds (SVOCs)	Other Volatile Organic Compounds (VOCs)	Ferrous Iron	pH	Dissolved Oxygen	Oxidation Reduction Potential	Conductivity
					Arsenic	Dissolved	Cadmium	Dissolved	Chromium	Dissolved	Lead	Dissolved	Mercury	Dissolved										
		Feet Below Ground Surface	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L		mg/L	mV	uS/cm
MW-1:W	9/6/2018	6.96	<50.0	101	<1.75	<1.75	<0.200	<0.200	<1.00	3.51	0.911	<0.500	<0.100	<0.100	<1.00	<0.503	<0.503	nd	nd	2.5	6.48	0.26	64.8	570
BL-MW-11:W	9/6/2018	9.84	91.8 b	167	78.5	11.3	<0.200	<0.200	1.61	6.88	0.882	<0.500	<0.100	<0.100	<1.00	<0.501	<0.501	nd	nd	2.0	6.48	0.12	-4.7	920
BL-MW-12:W	9/6/2018	9.51	362 b	144	87.6	14.4	<0.200	<0.200	3.75	6.92	0.712	<0.500	<0.100	<0.100	370*	13.3	12.3	SR	SR	2.5	6.62	0.1	34.8	840
MTCA Method A or Method B Cleanup Level^			500	500	5.0		5.0		50		15		2.0		160	(1.51)	32	Varies#	Varies#	n/a	n/a	n/a	n/a	n/a

Notes:
All results reported in ug/L (micrograms per liter), or mg/L (milligrams per liter)
ug/L = micrograms per liter [equivalent to parts per billion (ppb)]
mg/L = milligrams per liter [equivalent to parts per million (ppm)]
Bold concentrations are detectable concentrations, below their Cleanup Level (if available).
Shaded and Bold concentrations are detectable concentrations, exceeding their Cleanup Level
nd = No analytes detected above the laboratory reporting limit. See laboratory analytical report for full list of results
= Various cleanup levels for multiple analytes. See laboratory analytical report for full list of analytes
b = Identified as Diesel Range Organics, indicating the presence of unresolved compounds eluting from dodecane through tetracosane (~C12-C24).
SR = Minor detections of other VOCs or SVOCs, at concentrations below state cleanup levels. See analytical report for specific detections.
- = Not analyzed
^ = MTCA Method B Cleanup Level in parentheses
* - Result from analysis by EPA Method 8260. Concentration of 160 ug/L reported from analysis by EPA Method 8270

Table 3
Compliance Groundwater Sampling
Bothell Paint Site
Bothell, Washington

Sample ID	Sample Date	Approximate Depth to Groundwater	Diesel Range Organics	Heavy Oil Range Organics	Total		Dissolved		Total		Dissolved		Dissolved Manganese	Semi-Volatile Organic Compounds (SVOCs)	Volatile Organic Compounds (VOCs)	Methane	Nitrate (as Nitrogen)	Sulfate	Ferrous Iron	Total Alkalinity (as CaCO3)	pH	Dissolved Oxygen	Oxidation Reduction Potential	Conductivity		
					ug/L	ug/L	Arsenic ug/L	Cadmium ug/L	Chromium ug/L	Lead ug/L	Mercury ug/L															
BPMW-2R:W	11/20/2018	8.08'	51.4 ^b	<101	<1.75	<1.75	<0.200	<0.200	1.72	<1.00	<0.500	<0.500	<0.100	<0.100	161	SR	nd	0.106	<0.1	5.98	1.0	124	7.27	0.14	3.2	229.5
BPMW-6:W	11/20/2018	2.87	<50.2	194	16.5	15.0	0.207	<0.200	4.51	2.94	4.46	1.09	<0.100	<0.100	67.7	nd	nd	0.511	4.26	19.9	0.0	68.0	5.96	0.11	105.4	292.5
BC-10:W	11/27/2018	9.71	<49.9	<99.8	<1.75	<1.75	<0.200	<0.200	1.03	<1.00	<0.500	<0.500	<0.100	<0.100	184	nd	nd	0.958	<0.1	6.41	2.0	160	6.53	0.38	27.7	384.7
MTCA Method A or Method B Cleanup Level ^a			500	500	5.0	5.0	5.0	5.0	50	15	2.0	(2,240)	Varies#	Varies#	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	

Notes:
All results reported in ug/L (micrograms per liter), or mg/L (milligrams per liter)
ug/L = micrograms per liter [equivalent to parts per billion (ppb)]
mg/L = milligrams per liter [equivalent to parts per million (ppm)]
Bold concentrations are detectable concentrations, below their Cleanup Level (if available).
Shaded and Bold concentrations are detectable concentrations, exceeding their Cleanup Level
nd = No analytes detected above the laboratory reporting limit. See laboratory analytical report for full list of results
= Various cleanup levels for multiple analytes. See laboratory analytical report for full list of analytes
* = Well is angled at approximately 47 degree angle
b = Identified as Diesel Range Organics, indicating the presence of unresolved compounds eluting from dodecane through tetracosane (~C12-C24).
SR = Minor detections of other VOCs or SVOCs, at concentrations below state cleanup levels. See analytical report for specific detections.
- = Not analyzed
^a = MTCA Method B Cleanup Level in parentheses

Table 1
Compliance Groundwater Sampling
Bothell Hertz Site
Bothell, Washington

Sample ID	Sample Date	Feet Below Ground Surface	Approximate Depth to Groundwater	Diesel Range Organics	Heavy Oil Range Organics	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Total	Dissolved	Dissolved Manganese	Semi-Volatile Organic Compounds (SVOCs)	Volatile Organic Compounds (VOCs)	Methane	Nitrate (as Nitrogen)	Sulfate	Ferrous Iron	Total Alkalinity (as CaCO ₃)	pH	Dissolved Oxygen	Oxidation Reduction Potential	Conductivity
		ug/L	ug/L	Arsenic ug/L	Cadmium ug/L	Chromium ug/L	Lead ug/L	Mercury ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mg/L	mV	uS/cm	
HZ-MW-1-W	9/4/2018	8.05	<49.8	<99.7	<1.75	<1.75	<0.200	<0.200	13.6	12.8	<0.500	<0.500	<0.100	<0.100	<2.00	nd	PCE - 10.2	<0.00863	1.69	7.42	0.0	52.1	6.52	8.48	63.7	140	
HZ-MW-4-W	9/4/2018	7.61	<50.0	124	<1.75	<1.75	<0.200	<0.200	1.15	<1.00	<0.500	<0.500	<0.100	<0.100	165	nd	SR	<0.00863	1.7	37.4	0.0	116	6.37	2.36	12.8	359	
HZ-MW-12-W	9/5/2018	10.85	118 ^b	253	4.84	5.54	<0.200	<0.200	<1.00	<1.00	<0.500	<0.500	<0.100	<0.100	4,090	nd	nd	3.17	<0.1	0.367	2.5	608	6.38	0.32	33.1	1,180	
HZ-MW-17-W	9/4/2018	7.9	<50.0	<99.9	<1.75	<1.75	<0.200	<0.200	<1.00	<1.00	<0.500	<0.500	<0.100	<0.100	234	nd	SR	0.00892	<0.1	17.7	3.0	111	6.85	7.94	15	269	
HZ-MW-19-W	9/5/2018	7.69	125 ^b	150	<1.75	<1.75	<0.200	<0.200	<1.00	<1.00	<0.500	<0.500	<0.100	<0.100	954	nd	SR	0.0296	<0.1	65.6	3.5	198	6.34	0.48	26.1	513	
BC-16-W	9/5/2018	8.77	91.4 ^b	104	3.34	<1.75	<0.200	<0.200	2.35	<1.00	2.91	<0.500	<0.100	<0.100	3,470	nd	nd	2.18	<0.1	13	3.0	560	6.3	0.92	31.4	1040	
BLMW-8R-W	11/21/2018	8.53	879 ^b	1,680	6.63	2.12	0.276	<0.200	1.25	<1.00	<0.500	<0.500	<0.100	<0.100	1,070	SR	nd	0.648	<0.1	2.37	2.5	244	6.56	0.19	43.5	570.7	
MTCA Method A or Method B Cleanup Level ^a		500	500	5.0	5.0	50	15	2.0	(2,240)	Varies#	Varies#	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

Notes:

All results reported in ug/L (micrograms per liter), or mg/L (milligrams per liter)

ug/L = micrograms per liter [equivalent to parts per billion (ppb)]

mg/L = milligrams per liter [equivalent to parts per million (ppm)]

Bold concentrations are detectable concentrations, below their Cleanup Level (if available).

Shaded and Bold concentrations are detectable concentrations, exceeding their Cleanup Level

nd = No analytes detected above the laboratory reporting limit. See laboratory analytical report for full list of results

= Various cleanup levels for multiple analytes. See laboratory analytical report for full list of analytes

b = Identified as Diesel Range Organics, indicating the presence of unresolved compounds eluting from dodecane through tetracosane (~C12-C24).

SR = Minor detections of other VOCs or SVOCs, at concentrations below state cleanup levels. See analytical report for specific detections.

From: [John Kane](#)
To: [Cruz, Jerome \(ECY\)](#); [Jeff Jensen](#); [Nduta Mbuthia](#)
Cc: [Wang, Ching-Pi \(ECY\)](#); [John Kane](#)
Subject: [EXTERNAL] Kane Environmental - Hertz, Landing Paint & Decorating compliance monitoring schedule
Date: Thursday, December 20, 2018 3:33:24 PM

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

"

Jerome:

Yes I agree. December is too soon in regards to seasonal fluctuation. I think end of January will work, and we can check water levels in mid-January in some of the wells to ensure there is a difference compared to October/November.

Also agreed that we will follow the CMP for constituents to be analyzed.

Thank you for your quick response.

Regards,

John

John Kane, CEO/President
Kane Environmental, Inc.
Environmental Issues. Business Solutions.
4015 13th Avenue West
Seattle, WA 98103

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www.kane-environmental.com

Seattle, WA | Tacoma, WA | Phoenix, AZ | Nationwide Services

From: Cruz, Jerome (ECY) <JCRU461@ECY.WA.GOV>

Sent: Thursday, December 20, 2018 3:26 PM
To: John Kane; Jeff Jensen; Nduta Mbutia
Cc: Wang, Ching-Pi (ECY)
Subject: RE: Paint & Decorating compliance monitoring

John,

Given the first round of sampling in November, what would you say is the best time for the succeeding quarters (up to 8) that fully/efficiently capture seasonal fluctuations in groundwater levels? December seems too soon.

Regarding the analytical suite, I think we should follow what's in the CMP. The recent larger suite was just to confirm conditions from the RI.

Jerome



Jerome B. Cruz, Ph.D.
Toxics Cleanup Program, Northwest Regional Office
3190 - 160th SE Bellevue, WA 98008
Tel: (425) 649-7094 Fax: (425) 649-7098
Jerome.Cruz@ecy.wa.gov
<http://www.ecy.wa.gov/programs/tcp/cleanup.html>

From: John Kane [mailto:jkane@kane-environmental.com]
Sent: Thursday, December 20, 2018 2:38 PM
To: Cruz, Jerome (ECY) <JCRU461@ECY.WA.GOV>; Jeff Jensen <Jeff@kane-environmental.com>; Nduta Mbutia <Nduta.Mbutia@bothellwa.gov>
Cc: John Kane <jkane@kane-environmental.com>
Subject: Paint & Decorating compliance monitoring

Jerome:

Just a followup regarding Jeff's query. We can sample the Landing, Paint and Hertz wells next week to complete the sampling in December 2018. We want to be sure that we are following the compliance monitoring agreements, so we are not asking for an extension or change in the agreement. I thought that January would still be considered within the Winter quarter, but we want to confirm that with you so .

Thanks.

John

John Kane, CEO/President
Kane Environmental, Inc.
Environmental Issues. Business Solutions.
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Seattle, WA 98103

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From: Cruz, Jerome (ECY) <JCRU461@ECY.WA.GOV>
Sent: Thursday, December 20, 2018 2:27:39 PM
To: Jeff Jensen; Nduta Mbuthia
Cc: John Kane
Subject: RE: [EXTERNAL] Paint & Decorating compliance monitoring

Thanks Jeff.
I'll get back to you on the winter quarter monitoring request.
Jerome



Jerome B. Cruz, Ph.D.
Toxics Cleanup Program, Northwest Regional Office
3190 - 160th SE Bellevue, WA 98008
Tel: (425) 649-7094 Fax: (425) 649-7098
Jerome.Cruz@ecy.wa.gov
<http://www.ecy.wa.gov/programs/tcp/cleanup.html>

From: Jeff Jensen [<mailto:Jeff@kane-environmental.com>]
Sent: Thursday, December 20, 2018 1:47 PM
To: Cruz, Jerome (ECY) <JCRU461@ECY.WA.GOV>; Nduta Mbuthia <Nduta.Mbuthia@bothellwa.gov>
Cc: John Kane <jkane@kane-environmental.com>
Subject: RE: [EXTERNAL] Paint & Decorating compliance monitoring

Jerome,

I have attached the analytical table for the Bothell Paint Site, along with an updated table for

Bothell Hertz Site (which includes the data from the replacement well BLMW-8R).

I also wanted to confirm with you that it is acceptable to conduct our Winter Quarter of groundwater monitoring for all three sites in January, once you have had a chance to look over the data and confirm which analytes we are to proceed with in the following rounds of monitoring.

Thanks,

Jeff Jensen, Project Geologist

Kane Environmental, Inc. | Environmental Issues. Business Solutions.

PO Box 31936, Seattle WA 98103

Headquarters 4015 13th Avenue West, Seattle, WA 98119

Direct: 206-673-5731 Cell: 425-344-3707 Toll Free 1-844-529-KANE

Jeff@kane-environmental.com www.kane-environmental.com

Seattle, WA | Tacoma, WA | Phoenix, AZ | San Francisco, CA | Nationwide Services

From: Cruz, Jerome (ECY) <JCRU461@ECY.WA.GOV>

Sent: Thursday, December 20, 2018 9:07 AM

To: Jeff Jensen <Jeff@kane-environmental.com>; Nduta Mbutia <Nduta.Mbutia@bothellwa.gov>

Cc: John Kane <jkane@kane-environmental.com>

Subject: RE: [EXTERNAL] Paint & Decorating compliance monitoring

Great! Thanks Jeff!



Jerome B. Cruz, Ph.D.

Toxics Cleanup Program, Northwest Regional Office

3190 - 160th SE Bellevue, WA 98008

Tel: (425) 649-7094 Fax: (425) 649-7098

Jerome.Cruz@ecy.wa.gov

<http://www.ecy.wa.gov/programs/tcp/cleanup.html>

From: Jeff Jensen [<mailto:Jeff@kane-environmental.com>]

Sent: Thursday, December 20, 2018 9:06 AM

To: Nduta Mbutia <Nduta.Mbutia@bothellwa.gov>; Cruz, Jerome (ECY) <JCRU461@ECY.WA.GOV>

Cc: John Kane <jkane@kane-environmental.com>

Subject: RE: [EXTERNAL] Paint & Decorating compliance monitoring

Jerome,

I will forward you the data for the Paint wells later today.

Thanks,

Jeff Jensen, Project Geologist

Kane Environmental, Inc. | Environmental Issues. Business Solutions.

PO Box 31936, Seattle WA 98103

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From: Nduta Mbutia <Nduta.Mbutia@bothellwa.gov>

Sent: Thursday, December 20, 2018 9:04 AM

To: Cruz, Jerome (ECY) <JCRU461@ECY.WA.GOV>

Cc: John Kane <jkane@kane-environmental.com>; Jeff Jensen <Jeff@kane-environmental.com>

Subject: RE: [EXTERNAL] Paint & Decorating compliance monitoring

Jerome, I think I checked with you on this.... Exhibit C of the orders only requires a table to be submitted quarterly, and then a report at the end of the year. I believe you indicated that were ok with that? Please see correspondence attached. Would you like us to proceed differently?

From: Cruz, Jerome (ECY) <JCRU461@ECY.WA.GOV>

Sent: Thursday, December 20, 2018 8:59 AM

To: Nduta Mbutia <Nduta.Mbutia@bothellwa.gov>

Cc: John Kane <jkane@kane-environmental.com>; Jeff@kane-environmental.com

Subject: RE: [EXTERNAL] Paint & Decorating compliance monitoring

Thanks Nduta. Also, raw data was submitted. Should we expect a more formal submission as started in the progress reports?



Jerome B. Cruz, Ph.D.

Toxics Cleanup Program, Northwest Regional Office
3190 - 160th SE Bellevue, WA 98008
Tel: (425) 649-7094 Fax: (425) 649-7098
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<http://www.ecy.wa.gov/programs/tcp/cleanup.html>

From: Nduta Mbutia [<mailto:Nduta.Mbutia@bothellwa.gov>]
Sent: Thursday, December 20, 2018 8:56 AM
To: Cruz, Jerome (ECY) <JCRU461@ECY.WA.GOV>
Cc: John Kane <jkane@kane-environmental.com>; Jeff@kane-environmental.com
Subject: RE: [EXTERNAL] Paint & Decorating compliance monitoring

Hi Jerome,

I will defer to John or Jeff to respond to your question and provide specific dates... we scheduled the performance monitoring for all three sites to occur at the same time, starting in September. However, as you recall there were two wells on Paint that needed to be replaced as they were missing or damaged by adjacent construction projects (we met out on site with you and Jeff to confirm final replacement locations)... these were recently replaced

John, respond to highlighted section below?

Thanks
Nduta

From: Cruz, Jerome (ECY) <JCRU461@ECY.WA.GOV>
Sent: Thursday, December 20, 2018 8:47 AM
To: Nduta Mbutia <Nduta.Mbutia@bothellwa.gov>
Cc: John Kane <jkane@kane-environmental.com>
Subject: [EXTERNAL] Paint & Decorating compliance monitoring

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"

Hi Nduta,

I need to report the status to Bob. Was the first round of compliance monitoring carried out and when was it? Did you submit the results? **I have results for Landing and Hertz, but seem to be missing Paint.**

Thanks,
Jerome