



PORT OF PORTLAND

September 16, 2008

Sean Sheldrake
U.S. Environmental Protection Agency, Region 10
1200 Sixth Avenue, Suite 900
Mailstop ECL-115
Seattle, WA 98101-3140

**Subject: Terminal 4 Phase I Removal Action
 Construction Weekly Progress Report for September 8 through 14, 2008**

Dear Sean:

This weekly status report contains information related to the implementation of the Terminal 4 Phase I Removal Action as required by the Administrative Order on Consent (AOC) between the Port of Portland (Port) and the US Environmental Protection Agency (EPA) signed on October 2, 2003. The reporting period covered by this letter is September 8 through September 14, 2008.

SIGNIFICANT DEVELOPMENTS

- Finished all dredging activities during the reporting period. Dredging activities occurred September 8 and 10, 2008.
- Finished sediment offloading at The Dalles transloading facility. Sediment offloading occurred September 8 through 12, 2008.
- Placed a portion of the Sand Layer on September 12, 2008.
- Placed a portion of the Type 3 cap at the Head of Slip 3 on September 13, 2008
- Continued Phase I construction work in Wheeler Bay on September 2 through 5, 2008.

CONSTRUCTION ACTIVITIES PERFORMED

Dredging and Capping

- See the attached summary table for quantities dredged each day. Hickey dredged approximately 90 cubic yards (cy) of sediment during the reporting period (12,820 cy total for the project). One scow was loaded and transported for offloading during this period (Reedsport). Hickey pumped no effluent during this period (262,830 gallons total for the project) into the lash barge.
- A 20-cy cable arm bucket was used to dredge sediments the entire week.
- No water quality exceedances attributable to dredging were documented during the week.
- Offloading occurred September 8 through 12, 2008. See the attached summary table for quantities offloaded each day. Just less than 4,570 tons of sediment were offloaded and hauled to the Wasco County landfill during this period. A total of 20,070 tons have been hauled to the Wasco County landfill for the entire project.
- See the attached summary table for quantities of material placed each day. Hickey placed approximately 920 tons of Sand Layer on September 12 and 13 and approximately 150 tons of Type 3 cap material at the Head of Slip 3 on September 13.



- No water quality exceedances attributable to offloading were documented during the week.

Wheeler Bay Shoreline Stabilization

- Continued grading the site.
- Installed ecology blocks and chains at final two locations on site (Stations 2+00 and 5+50).
- Continued working on toe key and armoring on a portion of the site.

PROBLEMS ENCOUNTERED AND PROPOSED SOLUTIONS

Dredging and Capping

- The Port identified a few isolated locations within the Berth 410 area that were slightly above the neat line elevation. The areas were adjacent to the sheet pile wall. The Port felt that these areas would not impact navigation and requested to EPA that they not be further dredged. EPA concurred with this request.
- The chemistry testing results for the Sand Layer and Type 3 materials were incomplete—missing analysis for oxychlordan. The Port decided to go ahead and place the material—final chemistry results should be in by Tuesday. All other related chemicals of concern were non-detect or below the criteria. EPA concurred with placing the material noting that the Port would need to assume the risk if the results were above the criteria.

Wheeler Bay Shoreline Stabilization

- None

MONITORING ACTIVITIES PERFORMED

Dredging and Capping

- Water quality monitoring occurred during the dredging and capping activities as described in the EPA-issued Water Quality Monitoring and Compliance Conditions Plan (WQMCCP) and the Water Quality Monitoring Plan (WQMP) (Appendix H of the Final Remedial Action Work Plan [RAWP]).

Wheeler Bay Shoreline Stabilization

- Air monitoring occurred throughout the reporting period except on days of rain.

SUMMARY OF MONITORING DATA COLLECTED AND RECEIVED

Dredging and Capping

- Attachment D contains a summary of the daily field parameters and chemistry analytical results for the dredging and capping activities that occurred during this reporting period. No water quality exceedances attributable to dredging were documented during the week.
- No chemical criteria were exceeded during the dredging and capping activities that occurred during this reporting period.
- No water quality exceedances attributable to offloading were documented during the week (see Attachment E).
- Monitoring frequency increased to Tier 1 when Sand Layer placement and Head of Slip 3 cap construction began, as these are new construction activities.



Wheeler Bay Shoreline Stabilization

- Air monitoring data indicated no issues with air quality from dust at the Wheeler Bay construction site.

SCHEDULE OF ACTIVITIES TO BE PERFORMED DURING NEXT REPORTING PERIOD

Dredging and Capping

- Finish placement of the sand layer at the head of the slip.
- Finish construction of the Head of Slip 3 cap.

Wheeler Bay Shoreline Stabilization

- Continue regrading of the shoreline and placement of import materials.

If you have any questions, please call me at (503) 944-7323.

Sincerely,

Nicole LaFranchise
Environmental Project Manager

Attachments:

- Table 1: Terminal 4 Removal Action Dredging Log Summary
- Table 2: Offloading Facility Tracking Log
- Table 3: Terminal 4 Removal Action Material Placement Log Summary
- Attachment A: Daily Construction Monitoring Reports for Dredging and Capping
- Attachment B: Daily Construction Monitoring Reports for Wheeler Bay
- Attachment C: Daily Construction Monitoring Reports for the Transloading Facility
- Attachment D: Daily Results from Water Quality Monitoring Activities at Terminal 4
- Attachment E: Daily Results from Water Quality Monitoring Activities at the Transloading Facility

Table 1
Terminal 4 Removal Action Dredging Log Summary

Date	Scow	Sediment Wt in Tons (1)		Dredge Volume in CY (2)		Lash Barge Water in Gal (3)		Total Work Hours		Actual Dredge Hours		Daily Dredging Production Rate in cy/hr		Bucket (4)	Area Dredged
		Day	Total	Day	Total	Day	Total	Day	Total	Day	Total	Dredge Hours	Total Hrs		
12-Aug-08	Chetco	391	391	277	277	0	0	10.0	10.0	2.3	2.3	123	28	C	Berth 411 414 Square
13-Aug-08	Chetco	1,144	1,535	811	1,088	10,724	10,724	12.5	22.5	6.8	9.0	120	65	C	Berth 411 Slip 3 Square
14-Aug-08	Chetco	360	1,895	255	1,343	5,360	16,084	9.0	31.5	2.5	11.5	102	28	C	Berth 411 Slip 3 Square
18-Aug-08	Umpqua	849	2,744	602	1,945	10,724	26,808	16.0	47.5	6.8	18.3	89	38	C	Berth 411 Sta 12-24
19-Aug-08	Umpqua	984	3,728	698	2,643		26,808							C	
	Reedsport	565	4,293	372	3,015	5,362	32,170	16.0	63.5	9.2	27.4	117	67	C	Berth 411 Sta 10-40 outside; Sta 12-18 inside
20-Aug-08	Reedsport	760	5,053	539	3,554	26,811	58,981	16.0	79.5	12.3	39.7	44	34	C	Berth 411 Cell 1, 2, 3, 4, 5
21-Aug-08	Reedsport	624	5,677	442	3,996									C	
	Chetco	442	6,119	395	4,391	18,500	77,481	16.0	95.5	10.3	49.9	82	52	C	Berth 411 Cells 2, 3, 5, 6, and 9--grade pass
22-Aug-08	Chetco	1,270	7,389	875	5,266	16,087	93,568	16.0	111.5	13.0	62.9	67	55	C	Berth 411 Cells 7, 8, 9, 10
23-Aug-08	Chetco	675	8,064	465	5,731	32,710	126,278	16.0	127.5	10.8	73.7	43	29	C	Berth 411 Cells 1, 6, 10, 11 and side slopes
24-Aug-08	Umpqua	411	8,475	283	6,014	15,638	141,916	12.0	139.5	5.3	78.9	54	24	D	Berth 411 Cells 4, 2, and 3
25-Aug-08	Umpqua	500	8,975	344	6,358	29,493	171,409	12.0	151.5	6.8	85.7	51	29	D	Berth 411 Cells 2-7; Berth 410 Sta 41-51
26-Aug-08	Umpqua	611	9,586	421	6,779	24,130	195,539	9.5	161.0	5.0	90.7	84	44	D	Berth 410 Sta 42-68
27-Aug-08	Umpqua	466	10,052	323	7,102			12.0	173.0	9.0	99.7	80	60	C	Berth 410 Sta 68-82
	Reedsport	570	10,622	393	7,495	8,847	204,386	12.0	173.0	9.0	99.7	80	60	C	Berth 410 Sta 68-82
28-Aug-08	Reedsport	766	11,388	543	8,038	12,869	217,255	12.5	185.5	5.8	105.4	94	43	C	Berth 410 Sta 82-90; Berth 411 Sta 42-32 CU
29-Aug-08	Reedsport	652	12,040	462	8,500	5,362	222,617	8.0	193.5	3.0	108.4	154	58	C	Berth 410 Sta 100-105
2-Sep-08	Chetco	920	12,960	635	9,135	2,681	225,298	12.0	205.5	6.3	114.7	102	53	C	Berth 410 Sta 115-125
3-Sep-08	Chetco	1,427	14,387	1,019	10,154	16,087	241,385	11.0	216.5	8.0	122.7	127	93	C	Berth 410 Sta 125-135
4-Sep-08	Umpqua	1,074	15,461	761	10,915	5,362	246,747	12.0	228.5	8.0	130.7	95	63	C	Berth 410 Sta 90-100 & 88-95
5-Sep-08	Umpqua	1,095		776											
	Reedsport	424	16,980	300	11,991	13,405	260,152	12.0	240.5	8.5	139.2	127	90	C	Berth 410 Sta 95-108 & 105-110
6-Sep-08	Reedsport	1,045	18,025	741	12,732	2,681	262,833	12.0	252.5	8.3	147.4	90	62	C	Berth 410 Sta 108-125
8-Sep-08	Reedsport	49	18,074	35	12,767	0	262,833	8.0	260.5	1.5	148.9	NA	NA	C	Berth 410 Cleanup (7 buckets)
10-Sep-08	Reedsport	73	18,147	52	12,819	0	262,833	3.0	263.5	0.3	149.3	156	17	C	Berth 414 Square Cleanup

Notes:

- (1) Estimated from barge displacement
- (2) Estimated assuming 1.41 tons/cy and barge displacement tonnage
- (3) Estimated by stick
- (4) C=cable arm; D=digging bucket

Running gallons effluent per cubic yard dredged	20.5	10.2%
Overall Running production rate (cy/total work hours)	49	
Overall Running production rate (cy/actual dredge hours)	86	
Cable Arm production rate (cy/total work hours)	50	
Digging bucket production rate (cy/total work hours)	31	
Running efficiency (dredge hours/total work hours)	57%	
Percent of B411 "Plus" net line volume removed	135%	
Percent of B410 net line volume removed	176%	

Table 2
Offloading Facility Tracking Log

Recorded at Transfer Station					Recorded at Landfill		Daily Total (tons)	Barge Total (tons)
Load	Date	Time Out	Truck No.	Barge	TICKET #	Tons		
1.	8/18	11:00	N/A	Chetco	12349	33.17		
2.	8/18	N/A	N/A	Chetco	12353	33.07		
3.	8/18	N/A	N/A	Chetco	12357	23.12		
4.	8/18	12:10	N/A	Chetco	12359	32.50		
5.	8/18	N/A	N/A	Chetco	12362	32.00		
6.	8/18	12:28	N/A	Chetco	12364	32.72		
7.	8/18	N/A	N/A	Chetco	12366	33.03		
8.	8/18	13:30	N/A	Chetco	12371	26.14		
9.	8/18	13:45	N/A	Chetco	12374	33.65		
10.	8/18	N/A	N/A	Chetco	12379	31.68		
11.	8/18	14:25	N/A	Chetco	12384	32.99		
12.	8/18	14:47	N/A	Chetco	12389	32.45		
13.	8/18	15:43	N/A	Chetco	12391	30.29		
14.	8/18	15:58	8508	Chetco	12392	34.00	440.81	
1.	8/19	6:43	51	Chetco	12400	31.53		
2.	8/19	6:58	41	Chetco	12402	34.07		
3.	8/19	7:08	20	Chetco	12403	32.39		
4.	8/19	7:21	10	Chetco	12407	34.22		
5.	8/19	7:35	19	Chetco	12408	36.22		
6.	8/19	7:48	46	Chetco	12409	33.55		
7.	8/19	8:27	51	Chetco	12413	32.32		
8.	8/19	8:53	41	Chetco	12420	33.26		
9.	8/19	9:05	20	Chetco	12421	32.70		
10.	8/19	9:40	10	Chetco	12425	37.34		
11.	8/19	9:57	19	Chetco	12430	32.56		
12.	8/19	10:15	51	Chetco	12432	34.10		
13.	8/19	10:44	41	Chetco	12436	32.61		
14.	8/19	10:58	46	Chetco	12439	32.58		
15.	8/19	11:12	20	Chetco	12441	32.80		
16.	8/19	11:29	10	Chetco	12444	27.86		
17.	8/19	11:45	19	Chetco	12448	33.18		
18.	8/19	12:49	41	Chetco	12461	34.89		
19.	8/19	13:03	20	Chetco	12463	32.24		
20.	8/19	13:28	10	Chetco	12465	29.46		
21.	8/19	13:41	51	Chetco	12466	32.83		
22.	8/19	13:56	19	Chetco	12469	32.60		
23.	8/19	14:11	46	Chetco	12470	33.20		
24.	8/19	14:31	41	Chetco	12475	31.42		
25.	8/19	14:55	20	Chetco	12479	32.27		
26.	8/19	15:13	10	Chetco	12483	33.33		
27.	8/19	15:28	51	Chetco	12485	35.32		
28.	8/19	15:42	19	Chetco	12488	33.15	924.00	
1.	8/20	6:28	51	Chetco	12494	33.23		
2.	8/20	6:45	46	Chetco	12497	32.13		
3.	8/20	6:58	41	Chetco	12498	32.87		
4.	8/20	7:15	20	Chetco	12504	32.31		
5.	8/20	7:31	10	Chetco	12506	22.86		
6.	8/20	8:05	51	Chetco	12509	33.03		
7.	8/20	8:48	41	Chetco	12517	32.48		
8.	8/20	9:00	20	Chetco	12522	32.97		
9.	8/20	9:17	10	Chetco	12541	32.70		
10.	8/20	9:37	46	Chetco	12540	32.31		
11.	8/20	10:22	41	Chetco	12545	32.64		
12.	8/20	10:30	51	Chetco	12550	27.52		
13.	8/20	10:49	20	Chetco	12555	34.05		
14.	8/20	11:06	10	Chetco	12554	32.58		

Table 2
Offloading Facility Tracking Log

Recorded at Transfer Station					Recorded at Landfill		Daily Total (tons)	Barge Total (tons)
Load	Date	Time Out	Truck No.	Barge	TICKET #	Tons		
15.	8/20	11:42	46	Chetco	12559	32.85		
16.	8/20	11:58	51	Chetco	12560	33.70		
17.	8/20	12:08	41	Chetco	12562	32.83		
18.	8/20	12:16	20	Chetco	12565	32.97		
19.	8/20	12:25	19	Chetco	12572	33.66		
20.	8/20	12:43	10	Chetco	12578	33.46		
21.	8/20	13:26	51	Chetco	12579	32.62		
22.	8/20	13:59	41	Chetco	12591	32.21		
23.	8/20	14:08	20	Chetco/Umpqua	12587	33.05		2,105.84
24.	8/20	14:26	46	Umpqua	12588	27.90		
25.	8/20	14:42	19	Umpqua	12590	34.56		
26.	8/20	14:54	10	Umpqua	12595	35.35		
27.	8/20	15:03	51	Umpqua	12597	33.63		
28.	8/20	15:38	41	Umpqua	12599	32.81		
29.	8/20	15:47	20	Umpqua	12602	34.86		
30.	8/20	16:17	19	Umpqua	12604	32.26		
31.	8/20	16:35	51	Umpqua	12603	31.35		
32.	8/20	16:50	46	Umpqua	12606	24.78		
33.	8/20	17:10	41	Umpqua	12605	32.82	1,061.35	
1.	8/21	6:13	46	Umpqua	12607	33.15		
2.	8/21	6:25	51	Umpqua	12611	34.88		
3.	8/21	6:40	41	Umpqua	12614	34.15		
4.	8/21	6:46	19	Umpqua	12615	31.75		
5.	8/21	7:05	20	Umpqua	12620	34.03		
6.	8/21	7:17	10	Umpqua	12621	31.38		
7.	8/21	7:40	46	Umpqua	12623	33.04		
8.	8/21	7:50	51	Umpqua	12624	34.82		
9.	8/21	8:14	41	Umpqua	12627	33.16		
10.	8/21	8:24	19	Umpqua	12629	31.85		
11.	8/21	8:58	10	Umpqua	12635	26.87		
12.	8/21	9:28	46	Umpqua	12637	33.31		
13.	8/21	9:36	51	Umpqua	12639	33.46		
14.	8/21	9:51	22	Umpqua	12644	33.41		
15.	8/21	10:00	20	Umpqua	12643	35.34		
16.	8/21	10:09	41	Umpqua	12646	34.80		
17.	8/21	10:33	19	Umpqua	12648	33.50		
18.	8/21	10:44	10	Umpqua	12651	32.77		
19.	8/21	10:53	46	Umpqua	12654	32.91		
20.	8/21	11:07	51	Umpqua	12659	33.17		
21.	8/21	11:24	20	Umpqua	12664	34.30		
22.	8/21	11:37	22	Umpqua	12670	32.96		
23.	8/21	11:53	41	Umpqua	12671	32.40		
24.	8/21	11:59	19	Umpqua	12674	24.97		
25.	8/21	12:26	10	Umpqua	12676	33.99		
26.	8/21	12:40	51	Umpqua	12681	34.12		
27.	8/21	13:16	20	Umpqua	12683	32.66		
28.	8/21	13:40	46	Umpqua	12685	33.64		
29.	8/21	14:05	22	Umpqua	12688	32.93		
30.	8/21	14:25	41	Umpqua	12689	33.26		
31.	8/21	14:38	19	Umpqua	12692	33.40		
32.	8/21	14:53	51	Umpqua	12693	33.60		
33.	8/21	15:02	10	Umpqua	12695	32.05		
34.	8/21	15:25	20	Umpqua	12697	33.60		
35.	8/21	15:40	46	Umpqua	12703	34.71		
36.	8/21	16:03	22	Umpqua	12700	33.90	1,188.24	
1	8/22	6:15	46	Umpqua	12704	32.66		

Table 2
Offloading Facility Tracking Log

Recorded at Transfer Station					Recorded at Landfill		Daily Total (tons)	Barge Total (tons)
Load	Date	Time Out	Truck No.	Barge	TICKET #	Tons		
2	8/22	6:31	51	Umpqua	12708	31.32		
3	8/22	6:42	41	Umpqua	12712	33.08		
4	8/22	7:05	22	Umpqua	12715	34.59		
5	8/22	7:12	20	Umpqua	12718	32.91		
6	8/22	7:22	10	Umpqua	12719	27.30		
7	8/22	8:10	51	Umpqua	12723	32.89		
8	8/22	8:18	46	Umpqua	12725	33.33		
9	8/22	8:47	41	Umpqua	12732	33.75		
10	8/22	9:02	20	Umpqua	12734	32.85		
11	8/22	9:26	26	Umpqua	12736	33.61		
12	8/22	9:35	10	Umpqua	12739	32.33		
13	8/22	9:49	51	Umpqua	12741	34.25		
14	8/22	9:56	46	Umpqua	12743	33.58		
15	8/22	10:24	41	Umpqua	12748	34.02		
16	8/22	10:35	20	Umpqua/Reedsport	12749	33.16		2,034.19
17	8/22	11:04	22	Reedsport	12755	35.41		
18	8/22	11:15	51	Reedsport	12757	33.95		
19	8/22	11:55	46	Reedsport	12765	32.97		
20	8/22	12:06	41	Reedsport	12770	32.52		
21	8/22	12:28	21	Reedsport	12773	33.06		
22	8/22	12:40	22	Reedsport	12780	35.54		
23	8/22	12:55	51	Reedsport	12785	35.10		
24	8/22	13:05	21	Reedsport	12786	32.47		
25	8/22	13:20	46	Reedsport	12789	32.44		
26	8/22	13:45	26	Reedsport	12793	32.67		
27	8/22	14:30	22	Reedsport	12804	37.11		
28	8/22	14:37	51	Reedsport	12805	33.31		
29	8/22	14:49	41	Reedsport	12808	33.08		
30	8/22	15:15	21	Reedsport	12822	32.80		
31	8/22	15:44	46	Reedsport	12829	32.16		
32	8/22	15:53	51	Reedsport	12830	33.77		
33	8/22	16:05	22	Reedsport	12831	36.32		
34.	8/22	16:22	41	Reedsport	12832	31.96	1,132.27	
1	8/23	6:10	46	Reedsport	12842	32.62		
2	8/23	6:21	51	Reedsport	12843	34.09		
3	8/23	6:43	41	Reedsport	12845	32.35		
4	8/23	6:57	22	Reedsport	12846	36.00		
5	8/23	7:34	46	Reedsport	12850	32.04		
6	8/23	7:46	51	Reedsport	12852	34.56		
7	8/23	8:13	41	Reedsport	12854	33.36		
8	8/23	9:05	51	Reedsport	12859	32.65		
9	8/23	9:30	46	Reedsport	12863	33.00		
10	8/23	9:57	41	Reedsport	12866	33.31		
11	8/23	10:19	51	Reedsport	12868	34.51		
12	8/23	10:30	22	Reedsport	12870	32.64		
13	8/23	10:47	46	Reedsport	12871	32.67		
14	8/23	11:27	41	Reedsport	12872	32.13		
15	8/23	11:48	51	Reedsport	12874	34.87		
16	8/23	12:04	22	Reedsport	12875	32.49		
17	8/23	12:12	46	Reedsport	12876	33.21		
18	8/23	12:57	41	Reedsport	12881	33.43	599.93	
1	8/25	6:30	41	Reedsport	12891	35.66		
2	8/25	6:39	22	Reedsport	12894	38.09		
3	8/25	6:55	9519	Reedsport	12895	33.23		
4	8/25	7:03	20	Reedsport	12896	33.82		
5	8/25	7:24	46	Reedsport	12907	32.44		

Table 2
Offloading Facility Tracking Log

Recorded at Transfer Station					Recorded at Landfill		Daily Total (tons)	Barge Total (tons)
Load	Date	Time Out	Truck No.	Barge	TICKET #	Tons		
6	8/25	8:04	41	Reedsport	12910	32.95		
7	8/25	8:26	22	Reedsport	12916	32.57		
8	8/25	8:37	20	Reedsport	12923	32.67		
9	8/25	8:47	9519	Reedsport	12927	32.23		
10	8/25	9:01	51	Reedsport	12930	34.13		
11	8/25	9:19	46	Reedsport	12931	28.78		
12	8/25	9:41	41	Reedsport	12933	32.46		
13	8/25	10:00	22	Reedsport	12937	32.72		
14	8/25	10:10	20	Reedsport	12939	33.89		
15	8/25	10:20	9519	Reedsport	12940	32.33		
16	8/25	10:35	51	Reedsport	12945	32.57		
17	8/25	11:10	46	Reedsport	12954	33.42		
18	8/25	11:27	41	Reedsport	12957	33.66		
19	8/25	11:34	22	Reedsport	12959	34.40		
20	8/25	11:43	20	Reedsport	12962	32.85		
21	8/25	11:55	9519	Reedsport	12965	29.75		
22	8/25	12:31	46	Reedsport	12971	28.49		
23	8/25	12:45	41	Reedsport	12972	33.26		
24	8/25	13:11	22	Reedsport	12977	36.17		
25	8/25	13:17	20	Reedsport	12978	32.21		
26	8/25	13:30	9519	Reedsport	12981	32.59	857.34	2,063.91
1	8/26	6:50	41	Chetco	13004	32.92		
2	8/26	7:15	46	Chetco	13011	33.98		
3	8/26	7:30	22	Chetco	13057	31.23		
4	8/26	7:36	9519	Chetco	13015	32.95		
5	8/26	7:42	20	Chetco	13019	33.79		
6	8/26	8:32	41	Chetco	13026	33.02		
7	8/26	8:40	51	Chetco	13028	32.22		
8	8/26	8:53	46	Chetco	13030	31.97		
9	8/26	9:04	22	Chetco	13033	32.93		
10	8/26	9:14	20	Chetco	13034	32.67		
11	8/26	9:24	9519	Chetco	13036	30.83		
12	8/26	10:03	41	Chetco	13048	32.93		
13	8/26	10:15	51	Chetco	13045	33.15		
14	8/26	10:23	46	Chetco	13051	31.05		
15	8/26	10:40	22	Chetco	13054	31.28		
16	8/26	10:46	20	Chetco	13056	33.04		
17	8/26	10:55	9519	Chetco	13058	31.85		
18	8/26	11:36	51	Chetco	13069	32.86		
19	8/26	11:50	41	Chetco	13071	32.09		
20	8/26	12:00	46	Chetco	13074	35.23		
21	8/26	12:10	22	Chetco	13077	33.34		
22	8/26	12:24	20	Chetco	13079	34.12		
23	8/26	12:42	9519	Chetco	13086	32.90		
24	8/26	13:08	51	Chetco	13096	33.23		
25	8/26	13:25	41	Chetco	13098	31.59		
26	8/26	13:47	22	Chetco	13099	33.81		
27	8/26	13:54	20	Chetco	13101	33.62		
28	8/26	14:16	46	Chetco	13106	33.73		
29	8/26	14:33	9519	Chetco	13112	33.82		
30	8/26	14:43	51	Chetco	13109	30.13		
31	8/26	15:10	41	Chetco	13117	33.56		
32	8/26	15:18	22	Chetco	13119	33.20		
33	8/26	15:26	20	Chetco	13120	34.05		
34	8/26	15:37	46	Chetco	13122	30.55		
35	8/26	15:58	9519	Chetco	13123	31.79		

Table 2
Offloading Facility Tracking Log

Recorded at Transfer Station					Recorded at Landfill		Daily Total (tons)	Barge Total (tons)
Load	Date	Time Out	Truck No.	Barge	TICKET #	Tons		
36	8/26	16:37	41	Chetco	13124	32.68		
37	8/26	16:45	22	Chetco	13125	32.17		
38	8/26	16:51	20	Chetco	13126	32.26	1,242.54	
1	8/27	6:26	51	Chetco	13129	34.93		
2	8/27	6:33	41	Chetco	13131	34.00		
3	8/27	6:41	46	Chetco	13132	35.41		
4	8/27	6:46	22	Chetco	13135	29.75		
5	8/27	6:53	20	Chetco	13137	32.19		
6	8/27	7:02	9519	Chetco	13138	31.30		
7	8/27	7:53	51	Chetco	13145	31.91		
8	8/27	8:00	41	Chetco	13146	34.81		
9	8/27	8:10	22	Chetco	13149	31.89		
10	8/27	8:18	20	Chetco	13151	33.37		
11	8/27	8:25	46	Chetco	13153	33.17		
12	8/27	8:32	9519	Chetco	13155	30.24		
13	8/27	9:02	51	Chetco	13158	33.35		
14	8/27	9:23	41	Chetco	13161	33.74		
15	8/27	9:37	13	Chetco	13165	33.32		
16	8/27	9:45	22	Chetco	13170	29.59		
17	8/27	9:49	20	Chetco	13171	32.85		
18	8/27	10:00	46	Chetco	13174	34.37		
19	8/27	10:13	9519	Chetco	13178	31.41		
20	8/27	10:28	51	Chetco	13180	34.07		
21	8/27	10:50	41	Chetco	13182	33.22		
22	8/27	10:57	13	Chetco	13185	34.59		
23	8/27	11:08	22	Chetco	13186	31.64		
24	8/27	11:16	20	Chetco	13187	33.13		
25	8/27	11:26	46	Chetco	13189	33.85		
26	8/27	11:42	9519	Chetco	13192	30.22		
27	8/27	11:55	51	Chetco	13194	32.47		
28	8/27	12:16	41	Chetco	13203	32.89		
29	8/27	12:25	13	Chetco	13206	34.37		
30	8/27	12:34	22	Chetco	13207	32.74		
31	8/27	12:40	20	Chetco	13208	33.91		
32	8/27	12:47	46	Chetco	13211	33.25		
33	8/27	13:27	9519	Chetco	13218	32.66		
34	8/27	13:35	51	Chetco	13219	33.00		
35	8/27	14:02	22	Chetco	13225	34.87		
36	8/27	14:10	20	Chetco	13227	33.22		
37	8/27	14:25	41	Chetco	13231	33.55		
38	8/27	14:43	46	Chetco	13234	33.09		
39	8/27	14:52	51	Chetco	13239	33.33		
40	8/27	15:01	9519	Chetco	13241	32.83	1,318.50	2,561.04
1	8/28	6:45	51	Umpqua	13255	33.46		
2	8/28	6:57	41	Umpqua	13259	33.30		
3	8/28	7:20	46	Umpqua	13264	33.28		
4	8/28	7:26	20	Umpqua	13268	34.06		
5	8/28	7:44	22	Umpqua	13277	34.15		
6	8/28	8:12	51	Umpqua	13278	33.05		
7	8/28	8:23	9519	Umpqua	13281	34.29		
8	8/28	8:39	41	Umpqua	13285	32.94		
9	8/28	8:56	46	Umpqua	13289	32.76		
10	8/28	9:10	20	Umpqua	13292	33.20		
11	8/28	9:19	22	Umpqua	13297	30.23		
12	8/28	9:50	9519	Umpqua	13300	33.13		
13	8/28	10:15	41	Umpqua	13301	33.09		

Table 2
Offloading Facility Tracking Log

Recorded at Transfer Station					Recorded at Landfill		Daily Total (tons)	Barge Total (tons)
Load	Date	Time Out	Truck No.	Barge	TICKET #	Tons		
14	8/28	10:25	46	Umpqua	13304	33.44		
15	8/28	10:33	20	Umpqua	13306	32.97		
16	8/28	10:40	51	Umpqua	13308	30.08		
17	8/28	10:52	22	Umpqua	13315	31.96		
18	8/28	11:00	13	Umpqua	13318	32.38		
19	8/28	11:30	9519	Umpqua	13321	32.76		
20	8/28	11:46	46	Umpqua	13323	32.44		
21	8/28	11:53	20	Umpqua	13326	34.57		
22	8/28	12:06	41	Umpqua	13329	32.14		
23	8/28	12:14	51	Umpqua	13333	31.25		
24	8/28	12:25	22	Umpqua	13336	32.94		
25	8/28	12:33	13	Umpqua	13340	32.71		
26	8/28	13:20	46	Umpqua	13356	32.01		
27	8/28	13:29	9519	Umpqua	13359	33.96		
28	8/28	13:54	20	Umpqua	13361	33.87		
29	8/28	14:03	41	Umpqua	13363	33.37		
30	8/28	14:15	51	Umpqua	13365	35.61		
31	8/28	14:24	22	Umpqua	13366	33.73		
32	8/28	14:34	13	Umpqua	13368	29.91		
33	8/28	15:00	9159	Umpqua	13373	31.76		
34	8/28	15:15	46	Umpqua	13374	35.56		
35	8/28	15:22	20	Umpqua	13378	34.05		
36	8/28	15:39	41	Umpqua	13379	33.63		
37	8/28	15:55	22	Umpqua	13381	35.32		
38	8/28	16:28	46	Umpqua	13382	33.89	1,257.25	
1	8/29	6:19	51	Umpqua	13390	33.89		
2	8/29	6:31	41	Umpqua	13391	34.19		
3	8/29	6:40	46	Umpqua	13394	32.57		
4	8/29	6:50	22	Umpqua	13395	32.13		
5	8/29	6:56	9519	Umpqua	13397	31.26		
6	8/29	7:04	20	Umpqua	13398	33.61		
7	8/29	7:46	51	Umpqua	13403	36.79		
8	8/29	8:05	41	Umpqua	13406	32.92		
9	8/29	8:16	46	Umpqua	13408	33.43		
10	8/29	8:24	22	Umpqua	13410	33.62		
11	8/29	8:32	9519	Umpqua	13412	30.73		
12	8/29	8:43	20	Umpqua	13413	33.60		
13	8/29	9:13	51	Umpqua	13421	33.93		
14	8/29	9:22	13	Umpqua	13426	32.89		
15	8/29	9:37	41	Umpqua	13427	33.83		
16	8/29	9:48	46	Umpqua	13430	32.36		
17	8/29	10:03	22	Umpqua	13435	36.61		
18	8/29	10:10	9519	Umpqua	13436	32.97		
19	8/29	10:22	20	Umpqua	13438	33.32		
20	8/29	10:35	51	Umpqua	13440	33.70		
21	8/29	10:40	13	Umpqua	13444	32.60		
22	8/29	11:08	41	Umpqua	13451	33.18		
23	8/29	11:18	46	Umpqua	13448	31.76		
24	8/29	11:34	22	Umpqua	13454	36.31		
25	8/29	11:43	9519	Umpqua	13456	31.79		
26	8/29	11:51	20	Umpqua	13457	32.93		
27	8/29	12:09	51	Umpqua	13461	33.94	900.86	
1	9/2	6:38	41	Umpqua	13555	31.69		
2	9/2	6:45	22	Umpqua	13560	29.80		2,219.60
3	9/2	7:09	9519	Reedsport	13565	32.51		
4	9/2	7:37	20	Reedsport	13570	33.98		

Table 2
Offloading Facility Tracking Log

Recorded at Transfer Station					Recorded at Landfill		Daily Total (tons)	Barge Total (tons)
Load	Date	Time Out	Truck No.	Barge	TICKET #	Tons		
5	9/2	8:31	9519	Reedsport	13573	32.40		
6	9/2	8:47	41	Reedsport	13577	33.71		
7	9/2	8:57	13	Reedsport	13579	33.51		
8	9/2	9:12	46	Reedsport	13582	33.03		
9	9/2	9:20	20	Reedsport	13584	32.12		
10	9/2	9:56	51	Reedsport	13587	33.17		
11	9/2	10:11	9519	Reedsport	13589	32.62		
12	9/2	10:32	41	Reedsport	13594	32.92		
13	9/2	10:40	13	Reedsport	13596	32.69		
14	9/2	10:56	46	Reedsport	13597	32.82		
15	9/2	11:07	20	Reedsport	13599	32.22		
16	9/2	11:25	51	Reedsport	13601	33.92		
17	9/2	11:43	9519	Reedsport	13608	32.73		
18	9/2	12:15	41	Reedsport	13612	34.19		
19	9/2	12:25	13	Reedsport	13613	33.33		
20	9/2	12:44	46	Reedsport	13616	32.99		
21	9/2	13:01	20	Reedsport	13618	32.84		
22	9/2	13:09	51	Reedsport	13619	35.78		
23	9/2	13:22	9519	Reedsport	13620	31.10		
24	9/2	13:50	41	Reedsport	13626	32.15		
25	9/2	13:59	13	Reedsport	13634	32.68		
26	9/2	14:17	46	Reedsport	13637	33.16		
27	9/2	14:29	20	Reedsport	13638	33.34		
28	9/2	14:48	51	Reedsport	13640	33.63		
29	9/2	15:04	9519	Reedsport	13641	32.03		
30	9/2	15:39	41	Reedsport	13645	32.75		
31	9/2	15:56	46	Reedsport	13648	31.85		
32	9/2	16:12	20	Reedsport	13649	34.28	1,051.94	
1	9/3	6:25	51	Reedsport	13652	34.60		
2	9/3	6:35	41	Reedsport	13653	32.99		
3	9/3	6:47	46	Reedsport	13655	33.48		
4	9/3	6:58	9519	Reedsport	13659	28.98		
5	9/3	7:08	22	Reedsport	13660	35.00		
6	9/3	7:15	20	Reedsport	13661	33.62		
7	9/3	8:05	51	Reedsport	13670	33.87		
8	9/3	8:21	46	Reedsport	13672	34.21		
9	9/3	8:30	41	Reedsport	13674	34.34		
10	9/3	8:40	9519	Reedsport	13675	31.99		
11	9/3	8:52	22	Reedsport	13677	33.78		
12	9/3	8:58	20	Reedsport	13679	32.88		
13	9/3	9:14	13	Reedsport	13680	35.72		
14	9/3	9:28	51	Reedsport	13684	34.78		
15	9/3	9:48	46	Reedsport	13687	34.09		
16	9/3	10:15	41	Reedsport	13693	33.67		
17	9/3	10:30	9519	Reedsport	13699	30.54		
18	9/3	10:40	22	Reedsport	13700	34.68		
19	9/3	10:50	20	Reedsport	13701	32.95		
20	9/3	11:08	13	Reedsport	13703	34.63		
21	9/3	11:18	51	Reedsport	13705	35.26		
22	9/3	11:26	46	Reedsport	13708	32.57		
23	9/3	12:00	41	Reedsport	13715	33.92		
24	9/3	12:23	22	Reedsport	13719	36.46		
25	9/3	12:32	9519	Reedsport	13723	29.77		
26	9/3	12:45	20	Reedsport	13726	33.68		
27	9/3	13:05	51	Reedsport	13729	33.24		
28	9/3	13:15	8	Reedsport	13731	33.33		

Table 2
Offloading Facility Tracking Log

Recorded at Transfer Station					Recorded at Landfill		Daily Total (tons)	Barge Total (tons)
Load	Date	Time Out	Truck No.	Barge	TICKET #	Tons		
29	9/3	13:30	46	Reedsport	13733	33.77		
30	9/3	13:42	41	Reedsport	13738	32.58		
31	9/3	13:56	22	Reedsport	13741	33.53		
32	9/3	14:15	20	Reedsport	13745	32.61		
33	9/3	14:32	9519	Reedsport	13749	29.84		
34	9/3	14:40	51	Reedsport	13750	34.20		
35	9/3	15:05	46	Reedsport	13756	30.95	1,166.51	
1	9/4	6:54	51	Reedsport	13771	33.44		
2	9/4	7:04	41	Reedsport	13769	33.23		
3	9/4	7:25	46	Reedsport/Chetco	13776	33.44		2,257.07
4	9/4	7:40	22	Chetco	13781	35.21		
5	9/4	7:51	9519	Chetco	13783	27.92		
6	9/4	8:00	20	Chetco	13785	33.99		
7	9/4	8:35	41	Chetco	13788	33.18		
8	9/4	9:20	46	Chetco	13794	33.60		
9	9/4	9:31	22	Chetco	13801	32.67		
10	9/4	9:42	51	Chetco	13802	34.40		
11	9/4	9:52	9519	Chetco	13803	33.25		
12	9/4	10:03	20	Chetco	13806	34.14		
13	9/4	10:30	41	Chetco	13810	33.30		
14	9/4	10:52	46	Chetco	13814	32.81		
15	9/4	11:10	22	Chetco	13816	35.24		
16	9/4	11:17	51	Chetco	13817	35.01		
17	9/4	11:45	20	Chetco	13823	33.91		
18	9/4	11:55	9519	Chetco	13827	31.10		
19	9/4	12:25	41	Chetco	13829	34.44		
20	9/4	12:36	46	Chetco	13834	34.47		
21	9/4	13:08	22	Chetco	13841	34.63		
22	9/4	13:22	51	Chetco	13846	33.67		
23	9/4	13:36	20	Chetco	13847	33.65		
24	9/4	13:49	9519	Chetco	13849	31.78		
25	9/4	14:08	41	Chetco	13852	33.90		
26	9/4	14:22	46	Chetco	13853	32.66		
27	9/4	14:50	22	Chetco	13856	34.56		
28	9/4	15:00	51	Chetco	13857	32.64		
29	9/4	15:20	19	Chetco	13861	32.80		
30	9/4	15:30	20	Chetco	13862	34.24		
31	9/4	15:40	9519	Chetco	13863	30.49		
32	9/4	15:58	41	Chetco	13867	33.47		
33	9/4	16:15	22	Chetco	13868	33.28		
34	9/4	16:25	51	Chetco	13869	34.41	1,134.93	
1	9/5	6:16	51	Chetco	13873	33.27		
2	9/5	6:36	41	Chetco	13876	34.96		
3	9/5	7:02	19	Chetco	13877	32.88		
4	9/5	7:07	22	Chetco	13880	34.33		
5	9/5	7:35	9519	Chetco	13887	31.07		
6	9/5	7:50	20	Chetco	13890	33.74		
7	9/5	8:05	51	Chetco	13894	35.62		
8	9/5	8:22	41	Chetco	13898	34.38		
9	9/5	8:45	19	Chetco	13901	33.12		
10	9/5	9:00	22	Chetco	13904	31.83		
11	9/5	9:14	9519	Chetco	13906	31.98		
12	9/5	9:30	20	Chetco	13909	33.34		
13	9/5	9:42	51	Chetco	13912	33.62		
14	9/5	10:05	41	Chetco	13915	34.12		
15	9/5	10:20	19	Chetco	13917	32.45		

Table 2
Offloading Facility Tracking Log

Recorded at Transfer Station					Recorded at Landfill		Daily Total (tons)	Barge Total (tons)
Load	Date	Time Out	Truck No.	Barge	TICKET #	Tons		
16	9/5	10:32	46	Chetco	13919	32.56		
17	9/5	10:45	22	Chetco	13923	33.63		
18	9/5	10:53	9519	Chetco	13925	30.90		
19	9/5	11:05	20	Chetco	13927	33.39		
20	9/5	11:25	51	Chetco	13939	33.45		
21	9/5	12:00	41	Chetco	13943	32.45		
22	9/5	12:15	19	Chetco	13945	33.49		
23	9/5	12:25	46	Chetco	13950	34.18		
24	9/5	12:45	22	Chetco	13958	34.44		
25	9/5	13:00	9519	Chetco	13961	34.33		
26	9/5	13:10	20	Chetco	13964	33.61		
27	9/5	13:21	51	Chetco	13967	33.27		
28	9/5	13:44	41	Chetco	13970	31.28		
29	9/5	14:05	19	Chetco	13973	33.55		
30	9/5	14:20	46	Chetco	13975	30.12		
31	9/5	14:31	22	Chetco	13976	32.96		
32	9/5	14:45	9519	Chetco	13979	34.22		
33	9/5	14:55	20	Chetco	13982	33.11		
34	9/5	15:10	51	Chetco	13983	32.47		
35	9/5	15:25	41	Chetco	13986	33.95		
36	9/5	15:46	19	Chetco	139885	32.18		
37	9/5	16:00	46	Chetco	13987	32.16	1,226.41	
1	9/8	6:57	22	Chetco	14019	33.38		
2	9/8	7:03	9519	Chetco	14020	30.38		
3	9/8	7:23	41	Chetco	14024	34.04		
4	9/8	7:31	20	Chetco	14025	33.24		2,392.27
5	9/8	8:15	19	Umpqua	14033	32.72		
6	9/8	8:32	22	Umpqua	14036	34.95		
7	9/8	8:42	9519	Umpqua	14039	30.90		
8	9/8	9:02	20	Umpqua	14040	33.79		
9	9/8	9:15	41	Umpqua	14043	34.05		
10	9/8	9:26	46	Umpqua	14045	32.17		
11	9/8	9:54	19	Umpqua	14050	32.93		
12	9/8	10:24	9519	Umpqua	14057	31.54		
13	9/8	10:34	22	Umpqua	14058	33.88		
14	9/8	10:51	20	Umpqua	14062	33.67		
15	9/8	10:59	41	Umpqua	14064	34.09		
16	9/8	11:20	46	Umpqua	14065	33.53		
17	9/8	11:32	25	Umpqua	14067	30.47		
18	9/8	11:42	19	Umpqua	14070	36.00		
19	9/8	12:08	9519	Umpqua	14074	30.75		
20	9/8	12:21	22	Umpqua	14075	35.29		
21	9/8	12:40	20	Umpqua	14077	33.86		
22	9/8	12:52	41	Umpqua	14080	33.72		
23	9/8	13:07	46	Umpqua	14084	32.11		
24	9/8	13:26	25	Umpqua	14088	31.87		
25	9/8	13:43	19	Umpqua	14091	33.53		
26	9/8	13:52	9519	Umpqua	14093	30.21		
27	9/8	14:03	22	Umpqua	14095	34.19		
28	9/8	14:20	20	Umpqua	14099	34.35		
29	9/8	14:30	41	Umpqua	14102	33.85		
30	9/8	14:39	46	Umpqua	14104	32.02		
31	9/8	14:58	25	Umpqua	14108	36.32		
32	9/8	15:15	19	Umpqua	14110	32.84		
33	9/8	15:24	9519	Umpqua	14112	33.83		
34	9/8	15:41	22	Umpqua	14114	29.27	1,123.74	

Table 2
Offloading Facility Tracking Log

Recorded at Transfer Station					Recorded at Landfill		Daily Total (tons)	Barge Total (tons)
Load	Date	Time Out	Truck No.	Barge	TICKET #	Tons		
1	9/9	6:21	46	Umpqua	14123	32.30		
2	9/9	6:31	41	Umpqua	14124	32.59		
3	9/9	6:40	19	Umpqua	14126	31.60		
4	9/9	6:48	22	Umpqua	14127	33.41		
5	9/9	7:06	9519	Umpqua	14130	30.56		
6	9/9	7:15	20	Umpqua	14132	33.86		
7	9/9	7:30	25	Umpqua	14133	28.91		
8	9/9	7:57	46	Umpqua	14137	31.80		
9	9/9	8:12	41	Umpqua	14140	33.42		
10	9/9	8:32	19	Umpqua	14143	35.69		
11	9/9	8:43	22	Umpqua	14145	31.82		
12	9/9	8:59	9519	Umpqua	14148	31.57		
13	9/9	9:07	20	Umpqua	14149	33.54		
14	9/9	9:16	25	Umpqua	14153	27.59		
15	9/9	9:26	46	Umpqua	14154	33.20		
16	9/9	9:44	41	Umpqua	14155	34.83		
17	9/9	10:03	19	Umpqua	14161	32.69		
18	9/9	10:15	22	Umpqua	14163	32.06		
19	9/9	10:31	9519	Umpqua	14164	32.84		
20	9/9	10:39	20	Umpqua	14168	33.50		
21	9/9	10:51	25	Umpqua	14173	32.49		
22	9/9	11:02	46	Umpqua	14175	32.88		
23	9/9	11:51	41	Umpqua	14185	33.80		
24	9/9	12:02	22	Umpqua	14186	32.60		
25	9/9	12:16	19	Umpqua	14190	32.64		
26	9/9	12:29	9519	Umpqua	14194	30.17		
27	9/9	12:37	20	Umpqua	14198	33.23		
28	9/9	12:46	25	Umpqua	14199	30.47		
29	9/9	13:02	46	Umpqua	14204	33.57		
30	9/9	13:23	41	Umpqua	14209	33.08		
31	9/9	13:39	22	Umpqua	14216	34.56		
32	9/9	14:16	9519	Umpqua	14219	29.33		
33	9/9	14:24	20	Umpqua	14220	33.68		
34	9/9	14:41	46	Umpqua	14227	34.06		
35	9/9	15:03	41	Umpqua	14228	33.07		
36	9/9	15:20	22	Umpqua	14230	35.51	1,172.92	
1	9/10	6:18	46	Umpqua	14240	32.35		
2	9/10	6:28	41	Umpqua	14241	33.51		
3	9/10	6:40	19	Umpqua	14242	33.02		
4	9/10	6:51	9519	Umpqua	14244	31.43		
5	9/10	7:03	22	Umpqua	14247	33.64		
6	9/10	7:58	46	Umpqua	14257	33.65		
7	9/10	8:54	41	Umpqua	14267	33.10		
8	9/10	9:04	22	Umpqua	14269	32.62		
9	9/10	9:18	19	Umpqua	14274	32.97		
10	9/10	9:36	9519	Umpqua	14278	31.30		
11	9/10	9:51	46	Umpqua	14279	32.99		
12	9/10	10:26	41	Umpqua	14281	33.61		
13	9/10	10:40	22	Umpqua	14284	32.84	427.03	2,592.65
1	9/11	7:15	46	Reedsport	14342	32.20		
2	9/11	7:38	19	Reedsport	14347	32.92		
3	9/11	7:54	9519	Reedsport	14349	30.25		
4	9/11	8:04	22	Reedsport	14350	32.14		
5	9/11	8:29	41	Reedsport	14354	34.04		
6	9/11	8:41	46	Reedsport	14355	33.24		
7	9/11	9:05	19	Reedsport	14361	32.47		

Table 2
Offloading Facility Tracking Log

Recorded at Transfer Station					Recorded at Landfill		Daily Total (tons)	Barge Total (tons)
Load	Date	Time Out	Truck No.	Barge	TICKET #	Tons		
8	9/11	9:19	9519	Reedsport	14366	35.21		
9	9/11	9:34	22	Reedsport	14369	31.08		
10	9/11	10:00	41	Reedsport	14374	33.25		
11	9/11	10:14	51	Reedsport	14377	31.32		
12	9/11	10:21	13	Reedsport	14378	33.22		
13	9/11	10:33	46	Reedsport	14380	33.21		
14	9/11	10:49	19	Reedsport	14383	32.52		
15	9/11	11:00	9519	Reedsport	14385	30.13		
16	9/11	11:30	22	Reedsport	14387	32.92		
17	9/11	11:42	41	Reedsport	14390	34.30		
18	9/11	11:52	51	Reedsport	14395	32.96		
19	9/11	12:01	13	Reedsport	14397	31.45		
20	9/11	12:14	46	Reedsport	14401	33.24		
21	9/11	12:25	19	Reedsport	14407	32.30		
22	9/11	12:39	9519	Reedsport	14409	29.86		
23	9/11	13:00	22	Reedsport	14413	33.00	747.23	
1	9/12	6:11	46	Reedsport	14434	33.13		
2	9/12	6:27	13	Reedsport	14435	32.58		
3	9/12	6:40	41	Reedsport	14445	32.30		
4	9/12	6:52	19	Reedsport	14448	33.14		
5	9/12	7:01	9519	Reedsport	14449	32.17		
6	9/12	7:12	22	Reedsport	14452	34.47		
7	9/12	7:31	46	Reedsport	14456	32.92		
8	9/12	7:49	51	Reedsport	14459	33.99		
9	9/12	8:12	13	Reedsport	14465	31.82		
10	9/12	8:22	41	Reedsport	14467	33.38		
11	9/12	8:38	19	Reedsport	14472	31.36		
12	9/12	8:50	9519	Reedsport	14544	31.21		
13	9/12	9:01	22	Reedsport	14473	34.35		
14	9/12	9:09	46	Reedsport	14474	33.14		
15	9/12	9:22	51	Reedsport	14478	33.90		
16	9/12	9:35	13	Reedsport	14483	36.21		
17	9/12	10:05	41	Reedsport	14485	37.75		
18	9/12	10:18	19	Reedsport	14486	33.59		
19	9/12	10:27	22	Reedsport	14489	34.05		
20	9/12	10:42	9519	Reedsport	14493	30.99		
21	9/12	10:53	46	Reedsport	14494	32.42		
22	9/12	11:08	51	Reedsport	14496	35.24		
23	9/12	11:20	13	Reedsport	14508	29.91		
24	9/12	11:51	41	Reedsport	14499	31.02		
25	9/12	12:02	19	Reedsport	14510	32.79		
26	9/12	12:12	22	Reedsport	14519	31.10		
27	9/12	12:21	9519	Reedsport	14521	33.33		
28	9/12	12:30	9503	Reedsport	14514	33.01		
29	9/12	12:40	46	Reedsport	14520	33.96		
30	9/12	12:55	51	Reedsport	14524	33.75		
31	9/12	13:30	41	Reedsport	14532	34.55		
32	9/12	13:45	19	Reedsport	14539	33.05		
33	9/12	16:15	46	Reedsport	14553	35.95	1,096.53	1,843.76
TOTAL						20,070	20,070	20,070

Table 3
Terminal 4 Removal Action Material Placement Log Summary

Date	Material Barge	Material Wt in Tons (1)		Material Volume in CY (2)		Total Work Hours		Actual Placement Hours		Daily Placement Production Rate in cy/hr		Placement Area
		Day	Total	Day	Total	Day	Total	Day	Total	Placement Hours	Total Hrs	
12-Sep-08	RI 14	648	648	480	480	10.0	10.0	3.0	3.0	160	48	Sand Layer
13-Sep-08	RI 14	270	918	200	680	8.0	18.0	2.8	5.8	112	39	Sand Layer
	RI 15	147	1,065	109	789							Type 3 Cap material

Notes:

- (1) Estimated from barge displacement and bucket counts
- (2) Estimated assuming 1.35 tons/cy and barge displacement tonnage

Overall Running production rate (cy/total work hours)	43.8
Overall Running production rate (cy/actual dredge hours)	137.2
Running efficiency placement hours/total work hours)	32%

ATTACHMENT A
DAILY CONSTRUCTION MONITORING REPORTS FOR DREDGING
AND CAPPING



Work Hours: 06:00 to 13:00

Visitors:

[illegible]

Diary (Report of Day's Operations, Orders given and received, discussions with contractor, visitors, unusual conditions, major material deliveries, delays)

See next page.

Tim Stone
Resident Engineer

John Verduin
Project Engineer

Diary (continued)

Date: 9/8/08

Report Number: 21

05:45 Hickey on site preparing to dredge in Berth 410

06:00-07:30 Hickey moving silt curtain and oil boom and making additional preparations for cleanup passes in B410

07:30 Hickey begins dredging in B410 between bents 85 and 95 and between 0-60 feet from pier face

- Sea Horse dredge/Cable Arm 20 cu. yard bucket
 - REEDSPORT barge approximately ½-2/3 full
-

07:30-08:45 Dredging ongoing with many pauses and multiple relocations along the pier face in B410.

- cleanup passes between 0-60 feet from pier face
 - working between bents 75 and 95
 - wire and cable visible at bucket closure point in approximately ½ of grabs
 - buckets generally filled to ¼-1/2 of capacity
 - drain-down water appears clear to slightly cloudy and causing very minimal turbidity plume in localized area
-

08:00 correspond with Hickey regarding schedule for today and upcoming days

08:10 correspond with WQ crew—crew indicates that Round #1 was completed at approximately 08:10 and was begun at 07:30 with no exceedances measured

- directed WQ crew to complete an additional round of WQ because the 45 minute interval required after the start of dredging was not met
-

08:45-11:00 Hickey completing demobilization activities, brief bathymetry survey, and dismantling of silt curtains and oil booms

08:50 Tidewater tug arrives on site

10:00 Tidewater tug moving Hickey vessels out of slip and additional demobilization activities are being performed outside of slip

10:00 DEA survey boat arrives on site—preparing to begin bathymetry survey

11:00 Tidewater moving Hickey vessels to Hickey facility in Vancouver, WA
DEA bathymetry survey ongoing

12:00 Anchor off site and bathymetry survey continues(DEA)

Tim Stone

Resident Engineer

John Verduin

Project Engineer

PROJECT T4 Removal Action-Phase 1 Dredging and Capping CONTRACT NO. 820027/2008D013CONTRACTOR Hickey Marine Inc. SUPERINTENDENT Darrell JamisonDAY OF WEEK & DATE: Mon., Sept 8, 2008 REPORT NO. 21WEATHER Sunny TEMPERATURE L 58 H 81

<u>NUMBER/CLASS OF CONTRACTOR'S PERSONNEL:</u>		<u>MAJOR EQUIPMENT ON JOB (Size/capacity and hours):</u>	
Hickey Dredge Crew: Superintendent Crane operator 3 Deck hands		Crane/Derrick with 2 Barge/Scow	
<u>CHRONOLOGICAL ACCOUNT OF DAY'S WORK:</u>			
<p>(07:00 – 12:30) Contractor's working hours while dredging at berth 410</p> <p>(07:45) Crane started dredging at B410 Footmark: 125-175 (white marker signage on bull rail) 5'-40' from face dock Barge Reedsport #3 (9th barge total) continues to be loaded Crew continues to discharge waste water from Reedsport barge into lash barge</p> <p>Port surveyor's (D&E) on site calibrating their instruments and performing bathymetric survey (dual beam) at B411 (verify HME cleanup areas) and B410. There is no ship scheduled to be docked at B410/411 till Tues., 9-9-8 @ 17:00.</p> <p>(09:30) Crane stopped dredging at B410. Barge Reedsport #3 full of sediment, (10:00) Tug on site to take Reedsport #3 to Dalles. Contractor performing bathymetric survey (single beam) for dredged areas in B410. HME crews secured oil boom and silt curtain then demobilized crane/derrick and lash barge to their HME yard.</p>			
TESTING LABORATORY ON SITE: _____		HRS: _____	
TESTS PERFORMED: _____			
<u>PHONE LOG:</u>			
<u>SITE PHOTOS/VIDEOS TAKEN:</u>		<u>FORCE ACCOUNT WORK/ CHANGES ENCOUNTERED:</u>	

INSPECTOR Philipp G. Bales HRS _____ DATE 9-8-8
(signature on hardcopy)

DAILY REPORT OF OPERATIONS:

CONTRACT NO:

TO:

P.O.P.

CONTRACTOR:

HME

DATE(S)

9/8/08

REPORT NO:

21

CONTRACT DAY:

PROJECT AND BAR	NAME: Terminal 4 Removal Action			AUTHORIZED DIMENSIONS: 120 x 950	WIDTH: 60	DEPTH: - 41.02
	LOCATION: (include station no.) BERTH 410 Cleanup Station 91			OVERDEPTH: - 1		
DREDGE	NAME & TYPE: SEA HORSE DLEVO			SIZE: 135 Ton	DIPPER OR <u>BUCKET</u>	
	HORSEPOWER OF 900			20 CY.CAP.		
NUMBER OF CREW MEMBERS				WORK SCHEDULE		
Dredge: 4		Shore: 1	Other: 1	Total: 5	Shifts per day: 1	Days per week: 5
CHANNEL CONDITION	AVERAGE		BEFORE DREDGING - 40	AFTER DREDGING - 41.5	MINIMUM	BEFORE DREDGING - 39.8
					AFTER DREDGING - 41.2	
CHARACTER OF MATERIAL AND PERCENTAGE	GRAVEL		MUD	30	DISTRIBUTION OF TIME	
	SAND	*	CLAY		EFFECTIVE WORKING TIME (chargeable to cost of work)	HOURS
	SILT	70	OTHERS		MIN	
WORK PERFORMED				DREDGING	1	30
AVERAGE WIDTH OF CUT				FEET	NON-EFFECTIVE WORKING TIME	
TOTAL ADVANCE THIS PERIOD				FEET	HANDLING ANCHOR LINES	
TOTAL ADVANCE PREVIOUS TO THIS PERIOD				FEET	WAITING FOR SCOWS	
TOTAL ADVANCE TO DATE				FEET	TO AND FROM WARF OR ANCHORAGE	
WATER PUMPED THIS PERIOD				GALLONS	CHANGING LOCATION OF PLANT ON JOB	
WATER PUMPED PREVIOUS TO THIS PERIOD				GALLONS	LOSS DUE TO OPPOSING NATURAL ELEM.	
TOTAL WATER PUMPED TO DATE				GALLONS	LOSS DUE TO PASSING VESSELS	
AVERAGE DREDGED PER PUMP HOUR, GROSS				CU. YD	SHORE LINE AND SHORE WORK	
SCOWS LOADED				NUMBER	MINOR OPER. REPAIRS (explain below)	
AVERAGE LOAD PER SCOW				CU. YD	WAITING FOR ATTENDANT PLANT	
CUBIC YARDS REMOVED				PREPARATION AND MAKING UP TOW		
AMOUNT DREDGED THIS PERIOD: 7 Buckets of Cleanup				TRANSFERRING PLAN BETWEEN WORKS		
(1) GROSS (computed amount) AT STATION 91.				LAY TIME OFF SHIRT AND SATURDAYS		
(2) CREDITED (pay place) Amount Removed				SUNDAYS AND HOLIDAYS		
AMOUNT PREVIOUSLY REPORTED: WAS INSUFFICIENT TO				SAFETY MEETING		
(1) GROSS (computed amount) CHANGE ANY DRAFT				WATER PUMPING		
(2) CREDITED (pay place) Displacement on				TOTAL NON-EFFECTIVE WORKING TIME		
AMOUNT DREDGED TO DATE: BARGE REEDSPORT				TOTAL EFFECTIVE AND NON-EFFECTIVE TIME (chargeable to cost of work)		
(1) GROSS (computed amount)				8		
(2) CREDITED (pay place) NO WATER Pumped				LOST TIME (chargeable to cost of work)		
ATTENDANT PLANT				MAJOR REPAIRS AND ALTERATIONS:		
ITEM	NAME OR NUMBER		HOURS	CESSATION:		
MATERIAL BARGE	REEDSPORT		8	MISCELLANEOUS: Set up Boom		
WATER BARGE	LASH BARGE		8	TOTAL LOST TIME:		
TUG	HUSKY		8	TOTAL TIME IN PERIOD:		
TUG	DEGRA		8	1		
CREW - SURVEY	PUGBY		2			

Has anything developed which might lead to a change order or claim:

2 new 1 hr set up Boom AND
Secure for ship

ALL WORK PERFORMED DURING THIS PERIOD COMPIES WITH THE CONTRACT SPECIFICATIONS AND DRAWINGS:

TITLE:

Superintendent

SIGNATURE:

[Signature]



HICKEY MARINE ENTERPRISES

6801 NW Old Lower River Road

Vancouver, WA 98660

(360) 695-4553 (503) 284-1140

☒ M ☐ T ☐ W ☐ TH ☐ F ☐ S ☐ S

Job Name Terminal 4 Removal Action Date 9/8/08

Job No. _____ Weather _____

Equipment: ☐ Sea Hawk ☐ Sea Vulture ☐ Sea Lion ☐ Viking ☐ 966 Loader ☐ Chetco

☐ Barge 174 ☐ Barge 34 ☐ BK5 ☐ Nova ☐ Barge 47 ☐ Barge Harvey A

☐ Manlift ☐ Other _____

Equipment Safety Checks Performed? Yes / No _____

Personal Protective Equipment Safety Checks Performed? Yes / No _____

Work performed today

06:00 - 6:15 SAFETY MEETING

6:15 - 6:45 WARM UP

6:45 - 7:30 MOVE IN TO CLEAN UP (SET UP BOOM)

7:30 - 9:00 DREDGE CLEAN-UP

9:00 - 9:45 MOVE TO HME

9:45 - 13:00 TBL MOVES ALL EQUIPMENT TO HME YARD

13:00 - 14:00 SECURE - RUN TO GET VEHICLES

6:30 - 9:00 Perform HME Final Survey

Extra work or delays (authorized by)

2 MEN 1 hour MOVE AND SECURE Turbidity Boom

Sign _____



T-4/ The Dalles Offload Site Daily Inspection Checklist

Date 9/8/08

1) Safety Meeting:

Agenda: Scope of work, Preparation of Tow
to HME.

Attendees:

Paul Jensen
Mike
Paul
Bill Labadie

Derrick SEAHORSE



Derrick Sea Vulture



2) Crane Inspection:



"Attach Operator Log/Inspection Log"
Weekly Attached

3) Plant Inspection



Deficiencies:

Date

Date
Corrected

1. OIL CHANGE CRANE GEN SET
2. LOOSE BOLTS FAN SCROUS
3. FILL FRESH WATER TANK

9/6

9/6

9/8

4) Staff Gage Check



Time

Tideboard

Tide Track

07:00

0.01

0.02

09:00

- .9

0

5) Main Fuel Tank Levels



Port

Starboard

Height 45

Gallons 4500

Consumption per day 100

6) Survey Boat



Fuel



Port

Y₂

Starboard

Y₂

Hull Depth

.7

Sound Velocity

41860

Latency

0

Position Verification

Boat

X 7619999.36Y 713223.40

Control Point

#30X 7619999.36Y 713223.37

7) Dredge Material Weight

105

pounds per cubic foot

8) Dredge Boom Tip Verification

X 7619999.40Y 713223.52

Control Point

#30X 7619999.36Y 713223.37

9) Containment and Truck Load Area

Clean



Dust Suppression



Fabric



Spill Plates



10) Lash Barge:

Keep within 2 ft of trim

Draft

PB 7SB 6⁴PS 6⁸SS 5⁸

Gallons Pumped Today

0

Tank Sounding

#1 56#3 40#2 43#4 55

Total Gallons

262.833

11) Baker Tank Level

#1 _____

#2 _____

12) De con Stations

Clean



Inventory



13) Dust Suppression

Location NA

Time _____

Reading _____

Background

Location _____

Time _____

Reading _____

NA

Location _____

Time _____

Reading _____

Location _____

Time _____

Reading _____

Location _____

Time _____

Reading _____

14) Material Barge

Reeos port

Draft

PB _____

SB _____

MT Tons _____

Total Tons

MT

PS _____

SS _____

Total Yards

Draft

PB 8⁶SB 8⁷

LD Tons _____

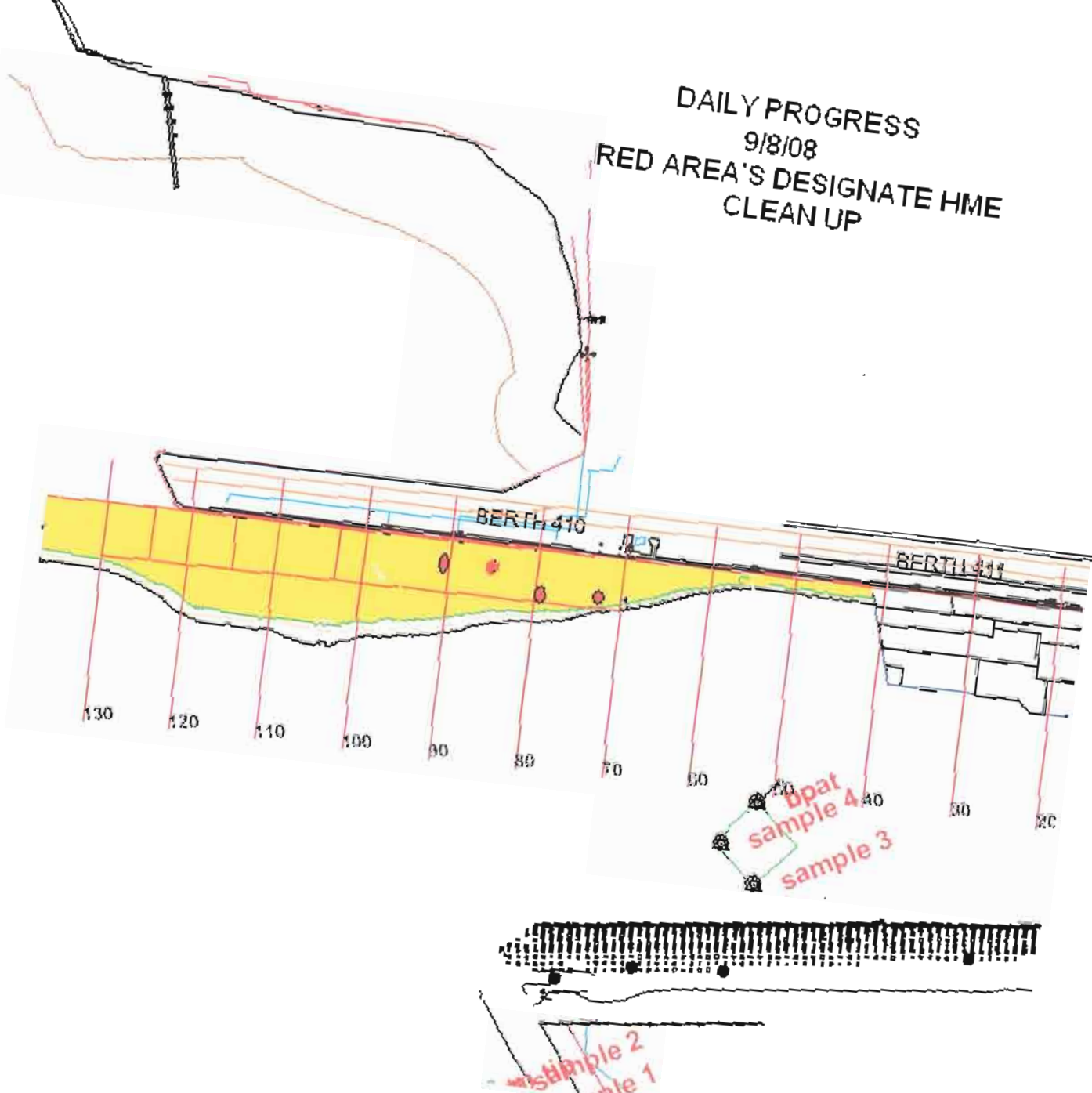
LD

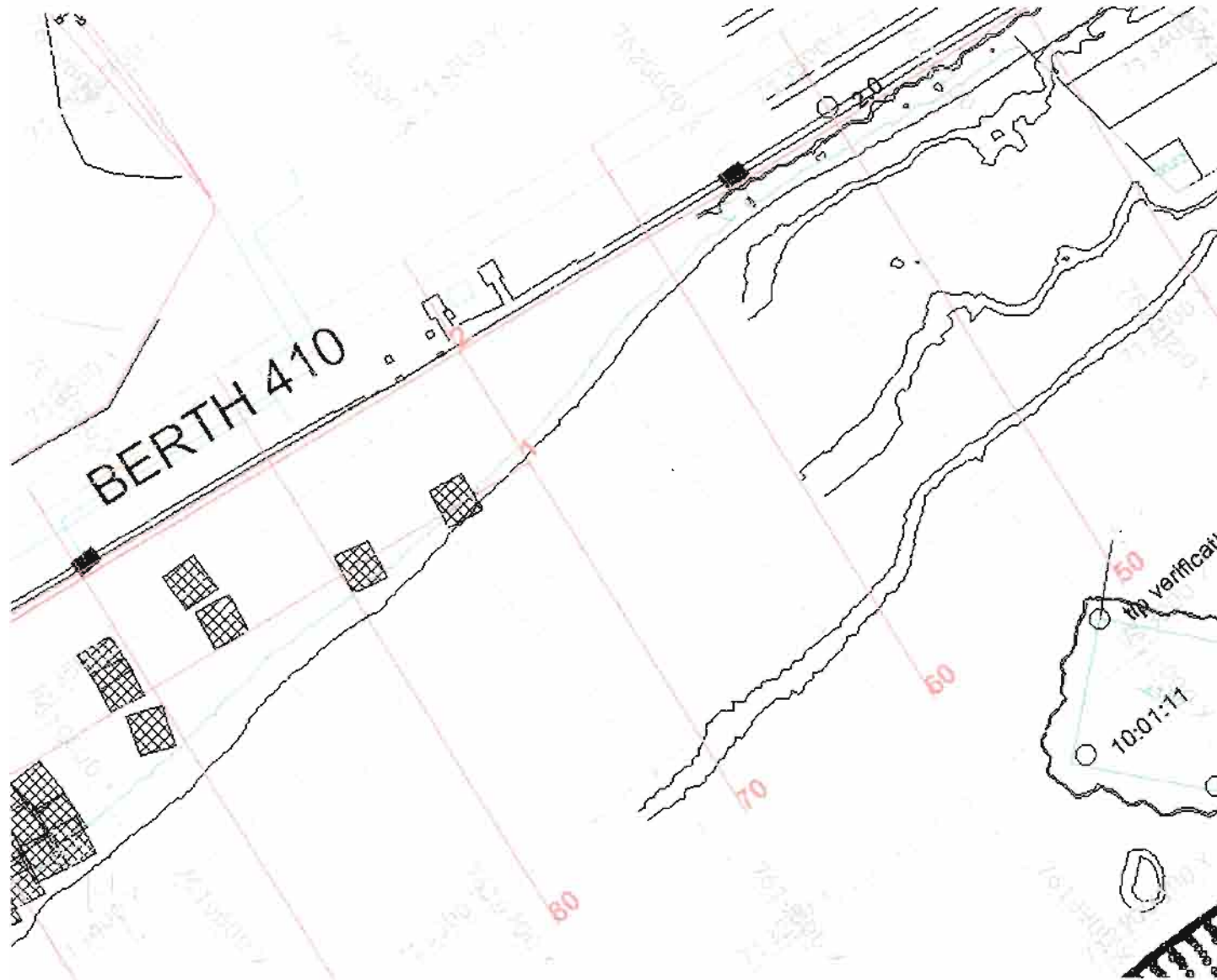
PS 8¹SS 8²

LD Tons _____

LOADED 7 small buckets
on clean up of 410. It Dis
not change the Displacement
to a MEASURABLE AMOUNT

DAILY PROGRESS
9/8/08
RED AREA'S DESIGNATE HME
CLEAN UP





Dredge T

7619694.49	713479.56	0.00	101.42	19.00	17.00	27184
7619695.16	713502.64	0.00	95.20	19.00	17.00	27229
7619637.58	713461.67	0.00	112.11	19.00	17.00	27486
7619639.75	713487.51	0.00	103.20	19.00	17.00	28088
7619641.94	713499.23	0.00	98.62	19.00	17.00	28278
7619811.18	713453.68	0.00	101.10	19.00	17.00	30245
7619758.75	713457.81	0.00	103.65	19.00	17.00	30984

Hickey Marine Enterprises
Daily Preventative Maintenance Checklist

SEA HORSE

VISUAL CHECKS:

WEEK OF: 9-2-08

NO	ITEM TO BE CHECKED	INITIAL EACH ITEM AS CHECKED					
		DATE	9/2	9/3	9/4	9/5	9/6
1	Broken or cracked glass. Clean if needed.		PS	PS	PS	PS	PS
2	Damaged or missing sheet metal, guards, gear, or chain case covers.						
3	Drive chains & sprockets for cracked or broken pieces.						
4	Oil or coolant leaking below rotating bed or car body.						
5	Roller path, house rollers, hook rollers for chips or cracks.						
6	Boom hoist, whip line & hoist wire rope – pendants – load blocks – sheaves.						
7	Fuel tank(s) – fuel gauges – hoses & connections.						
8	Limit devices – boom/mast stops – drum pawls.						
9	Control valves – lever & linkage – instrument panel(s)						
10	Fire extinguisher available in working order.						
11	Drain air tank of water.						
12	Inspect boom and gantry.						
13	Check all brakes.						

PREVENTATIVE MAINTENANCE CHECKLIST

NO	ITEM TO BE CHECKED	PROCEDURE	INITIAL EACH ITEM AS CHECKED					
			DATE	PS	PS	PS	PS	PS
	Radiator coolant all equipment (3 total)	Check level, add when necessary						
2	Controlled converter fluid	Check reservoir, add oil when necessary						
3	Hydraulic system(s) level (2 total)							
4	Chain case lube	Check level, add when necessary						
5	Cooling Fans	Water Brake and CAT 3508						
6	Main and Generator							
7	Converter input and/or output housing(s)							
8	Air compressor (air leaks, etc.)	Check level, add oil when necessary						
9	Observe all gauges and warning devices							
10	Check for missing pins and/or bolts							
11	All Louvers	Make sure they are open						

DATE	ITEM OR DISCREPANCY	DATE CORRECTED	INITIAL
9-3	411 reset boom spider - full filter		
9-4	" "		
9-8	" "		

PROJECT T4 Removal Action-Phase 1 Dredging and Capping CONTRACT NO. 820027/2008D013CONTRACTOR Hickey Marine Inc. SUPERINTENDENT Darrell JamisonDAY OF WEEK & DATE: Tues., Sept 9, 2008 REPORT NO. 22WEATHER Sunny TEMPERATURE L 55 H 80

<u>NUMBER/CLASS OF CONTRACTOR'S PERSONNEL:</u> Hickey Dredge Crew: Superintendent Crane operator 3 Deck hands	<u>MAJOR EQUIPMENT ON JOB (Size/capacity and hours):</u> Crane/Derrick with 2 Barge/Scow
<u>CHRONOLOGICAL ACCOUNT OF DAY'S WORK:</u> Contractor did not perform any project related activities today at B410/411 or at head of slip 3. Port/HME waiting on test results for capping material for B411 and material for head of slip 3. Port/HME waiting on bathymetry survey results by D&E for B410/411 to determine if HME was able to dredge to design finished grades. There is no ship at B410/411 till 19:00 tonight. Port inspector (PGB) met with HME proj mgr (GS) and their subcontractor, All Terrain Excavating Inc (Orin Cabantoy & Eric Mauck) on site to review and discuss work at head of slip 3. According to subcontractor, no existing irrigation lines need to be relocated as they will use lumber to bridge the lines while crossing them. HME stated that All trees will be preserved inside work area. Tentatively, HME crews plans to begin work at head of slip 3 by end of this week, including capping at B411. Barge Chetco was power washed and cleaned by HME crews. Cleanliness of the barge was verified by Anchor (BH). This barge will be loaded with armor rock and hauled to head of slip 3 sometime this week.	
TESTING LABORATORY ON SITE: _____ HRS: _____	
TESTS PERFORMED: _____	
<u>PHONE LOG:</u> 	
<u>SITE PHOTOS/VIDEOS TAKEN:</u> 	<u>FORCE ACCOUNT WORK/ CHANGES ENCOUNTERED:</u>

INSPECTOR Philipp G. Bales HRS _____ DATE 9-9-8
(signature on hardcopy)



Work Hours: 08:30 to 17:00 Sub. to

Tides:	Time	Height

Visitors: Andrew Somes (Paramatrix)

[illegible]

See next page.

John Verduin
Project Engineer

Diary (continued)

Date: 9/10/08

Report Number: 22

13:00 Hickey mobilizing to perform clean-up dredging in B414. No turbidity barrier required per accepted proposal by EPA. Over-water de-watering of the bucket will not be allowed.

14:10 Dredging begins.

14:30 Dredging completed and Hickey demobilized from site.

14:40 Scheduled WQ field parameter round (30 minutes after the start of dredging) performed. Vessel observed leaving Toyota dock with large trailing turbidity plume. Field parameters at early warning, north and middle stations all below trigger levels. Turbidity at the south station was quite elevated, however monitoring crew attributed elevated readings to the departure of the vessel from the Toyota dock and the observable plume caused by the vessel.

Ben Hung

Resident Engineer

John Verduin

Project Engineer

PROJECT T4 Removal Action-Phase 1 Dredging and Capping CONTRACT NO. 820027/2008D013CONTRACTOR Hickey Marine Inc. SUPERINTENDENT Darrell JamisonDAY OF WEEK & DATE: Wed., Sept 10, 2008 REPORT NO. 23WEATHER Sunny TEMPERATURE L 55 H 80**NUMBER/CLASS OF CONTRACTOR'S PERSONNEL:**

Hickey Dredge Crew:
Superintendent
Crane operator
3 Deck hands

MAJOR EQUIPMENT ON JOB (Size/capacity and hours):

Crane/Derrick with 2 Barge/Scow

CHRONOLOGICAL ACCOUNT OF DAY'S WORK:

Contractor did not perform any project related activities today at B410/411 or at head of slip 3. Port/HME waiting on test results for capping material for B411 and material for head of slip 3.

(08:30) Project progress weekly meeting held at T4 admin building.

After reviewing the most recent bathymetry data from the B410 and B411 cleanup work areas it's been determined by Port project mgr. (MH) that HME has dredged to design finished grade elevations in both berths and has been accepted. No additional cleanup is required by HME for B410/B411

(14:00-14:20) HME dredge crane/derrick including the loaded barge Reedsport #3 (9th barge total) at B414 for "cleanup work" in a couple areas where the elevations remain out of tolerance. After placing oil water boom surrounding both crane/derrick and barge crew using 21 cuyd cable bucket dredged only 4 times. Each bucket was immediately taken and dumped into barge, allowing minimal water to discharge from bucket back into river. Then crew placed bucket on derrick, removed oil water boom and left site. HME crew were given permission by Port/EPA, that they would not require a silt curtain around their work area today if the full bucket immediately went into barge with minimal discharge.

Due to not receiving chemical test results for the sand capping material, which will also be blended with organ clay, has allowed Kinder/Morgan to keep B410/B411 open and allow ships to be loaded with their product for next Monday, 9-15, and Tuesday, 9-16.

TESTING LABORATORY ON SITE: _____ HRS: _____

TESTS PERFORMED: _____

PHONE LOG:**SITE PHOTOS/VIDEOS TAKEN:****FORCE ACCOUNT WORK/ CHANGES ENCOUNTERED:**



PORT OF PORTLAND

DAILY DIARY

PAGE 2 OF 2

PROJECT T4 Removal Action-Phase 1 Dredging and Capping CONTRACT NO. 820027/2008D013

CONTRACTOR Hickey Marine Inc. SUPERINTENDENT Darrell Jamison

DAY OF WEEK & DATE: Wed., Sept 10, 2008 REPORT NO. 23

WEATHER Sunny TEMPERATURE L 55 H 80

INSPECTOR Philipp G. Bales HRS DATE 9-10-8
(signature on hardcopy)

DAILY REPORT OF OPERATIONS:										CONTRACT NO:				
TO: P.O.P.			CONTRACTOR: HME				DATE(S): 9/10/08		REPORT NO: 22		CONTRACT DAY: 29			
PROJECT AND BAR		NAME: Terminal 4 Removal Action				AUTHORIZED DIMENSIONS: 70 x 50		WIDTH:		DEPTH: Remove 1'				
		LOCATION: (include station no.) BERTH 414 CLEAN UP						OVERDEPTH: 1						
DREDGE		NAME & TYPE: SEA HORSE				SIZE: 135 Ton		DIPPER OR BUCKET:						
		HORSEPOWER OF 900						20 CY.CAP.						
		NUMBER OF CREW MEMBERS				WORK SCHEDULE								
CHANNEL CONDITION		Dredge: 4		Shore:		Other:		Total: 4		Shifts per day: 1		Days per week: 5		
		AVERAGE		BEFORE DREDGING		AFTER DREDGING		MINIMUM		BEFORE DREDGING		AFTER DREDGING		
CHARACTER OF MATERIAL AND PERCENTAGE		GRAVEL		MUD		STONE		DISTRIBUTION OF TIME						
		SAND		CLAY		HARDPAN		EFFECTIVE WORKING TIME (chargeable to cost of work)			HOURS		MIN	
		SILT		OTHERS										
WORK PERFORMED						DREDGING			20					
AVERAGE WIDTH OF CUT				FEET		NON-EFFECTIVE WORKING TIME								
TOTAL ADVANCE THIS PERIOD				FEET		HANDLING ANCHOR LINES								
TOTAL ADVANCE PREVIOUS TO THIS PERIOD				FEET		WAITING FOR SCOWS Abandon Boom			10					
TOTAL ADVANCE TO DATE				FEET		TO AND FROM WARP OR ANCHORAGE								
WATER PUMPED THIS PERIOD				GALLONS		CHANGING LOCATION OF PLANT ON JOB								
WATER PUMPED PREVIOUS TO THIS PERIOD				GALLONS		LOSS DUE TO OPPOSING NATURAL ELEM.								
TOTAL WATER PUMPED TO DATE				GALLONS		LOSS DUE TO PASSING VESSELS								
AVERAGE DREDGED PER PUMP HOUR, GROSS				CU. YD		SHORE LINE AND SHORE WORK								
SCOWS LOADED				NUMBER		MINOR OPER. REPAIRS (explain below)								
AVERAGE LOAD PER SCOW				CU. YD		WAITING FOR ATTENDANT PLANT								
CUBIC YARDS REMOVED						PREPARATION AND MAKING UP TOW			40					
AMOUNT DREDGED THIS PERIOD: 414 CLEAN UP						TRANSFERRING PLAN BETWEEN WORKS			1 50					
(1) GROSS (computed amount)						LAY TIME OFF SHIRT AND SATURDAYS								
(2) CREDITED (pay place) 4 Buckets Estimated						SUNDAYS AND HOLIDAYS								
AMOUNT PREVIOUSLY REPORTED: AT 13 yards Each.						SAFETY MEETING								
(1) GROSS (computed amount)						WATER PUMPING								
(2) CREDITED (pay place)						TOTAL NON-EFFECTIVE WORKING TIME			2 40					
AMOUNT DREDGED TO DATE:						TOTAL EFFECTIVE AND NON-EFFECTIVE TIME (chargeable to cost of work)			3 00					
(1) GROSS (computed amount) 52 cu yds						LOST TIME (chargeable to cost of work)								
(2) CREDITED (pay place)						MAJOR REPAIRS AND ALTERATIONS:								
ATTENDANT PLANT						CESSATION:								
ITEM		NAME OR NUMBER		HOURS		MISCELLANEOUS:								
TUG		Husky		3		TOTAL LOST TIME:								
BARGE		REEDSPORT		3		TOTAL TIME IN PERIOD:								
TUG		PJ BARK		3										
Has anything developed which might lead to a change order or claim:														
ALL WORK PERFORMED DURING THIS PERIOD COMPIES WITH THE CONTRACT SPECIFICATIONS AND DRAWINGS:														
TITLE: Superintendent						SIGNATURE: [Signature]								

TERMINAL 4 DREDGING SUMMARY

BERTH 410: 6,374 cu. yards removed as per barge displacement

BERTH 411/414: 6,359cu. yards removed as per barge displacement.

411 CLEAN-UP: 35cu. yards as per cross-section.

414 CLEAN-UP: 52cu. yards as per cross-section.

TOTAL YARDAGE DREDGED BOTH SITES: 12,820

TOTAL GALLONS WATER PUMPED INTO LASH BARGE: 262,833

20.5 gallon per yard average with 20yd Cable Arm

28.5 gallon per yard average with 10yd Atlas Conventional Clamshell

T-4/ The Dalles Offload Site

Daily Inspection Checklist

Date 9/10/08

1) Safety Meeting:

Agenda: scope of work, securing Boats while
under Tow.

Attendees:

Phil Stacey

Scott Rust

Perry Alberti

Darrell Janieson

Derrick SEAHORSE



Derrick Sea Vulture



2) Crane Inspection:



"Attach Operator Log/Inspection Log"

3) Plant Inspection



Deficiencies:

Date

Date Corrected

Oil change GEN SET

9/6

9/10

Loose Fan shroud Bolts

9/6

9/10

Fill Fresh Water Tank

9/8

9/10

4) Staff Gage Check



Time

Tideboard

Tide Track

14:10

2.7

2.72

5) Main Fuel Tank Levels



Port

Starboard

Height

45

NA

Gallons

4500

Consumption per day

—

6) Survey Boat

Fuel

Port

Starboard

☐☐

Hull Depth

Sound Velocity

Latency

Position Verification

Boat

X

Y

Control Point

X

Y

7) Dredge Material Weight

☒

105

pounds per cubic foot

8) Dredge Boom Tip Verification

X

Y

Control Point

X

Y

9) Containment and Truck Load Area

Clean

☐

Dust Suppression

☐

Fabric

☐

Spill Plates

☐

10) Lash Barge:

Keep within 2 ft of trim

Draft

PB

SB

Gallons Pumped Today

NONE

PS

SS

Total Gallons

262,833

Tank Sounding

#1

#3

#2

#4

20.5 gallons per yd

11) Baker Tank Level

#1

#2

12) De con Stations

Clean

☐

Inventory

☐

13) Dust Suppression

Location Time Reading

Background

Location Time Reading

Location Time Reading

Location Time Reading

Location Time Reading

414 CLEAN UP

14) Material Barge

REOSport

Draft

PB 8.6

SB 8.7

MT Tons 2334

Total Tons

MT

PS 8.5

SS 8.2

73

Total Yards

Draft

PB 8.6

SB 8.7

LD Tons 240.7

52

LD

PS 8.6

SS 8.7

REOSport SHIPPED LOAD 1,093 cu yds

414
CLEAN UP



HICKEY MARINE ENTERPRISES

6801 NW Old Lower River Road
Vancouver, WA 98660
(360) 695-4553 (503) 284-1140

M T ☒ TH F S S

Job Name T-4 Removal action Date 9-10-08

Job No. _____ Weather _____

Equipment: ☐ Sea Hawk ☐ Sea Vulture ☐ Sea Lion ☐ Viking ☐ 966 Loader ☐ Chetco

☐ Barge 174 ☐ Barge 34 ☐ BK5 ☐ Nova ☐ Barge 47 ☐ Barge Harvey A

☐ Manlift ☐ Other Horse/Husky/Reedsport

Equipment Safety Checks Performed? Yes / No

Personal Protective Equipment Safety Checks Performed? Yes / No

Work performed today

7:00 - 13:00

HME YARD

13:00 - 14:00

P5 BRK MOBE TO B-414

14:00 - 14:10

Place Absorbent Boom

14:10 - 14:30

Clean up 414

14:30 - 15:20

MOBE TO HME

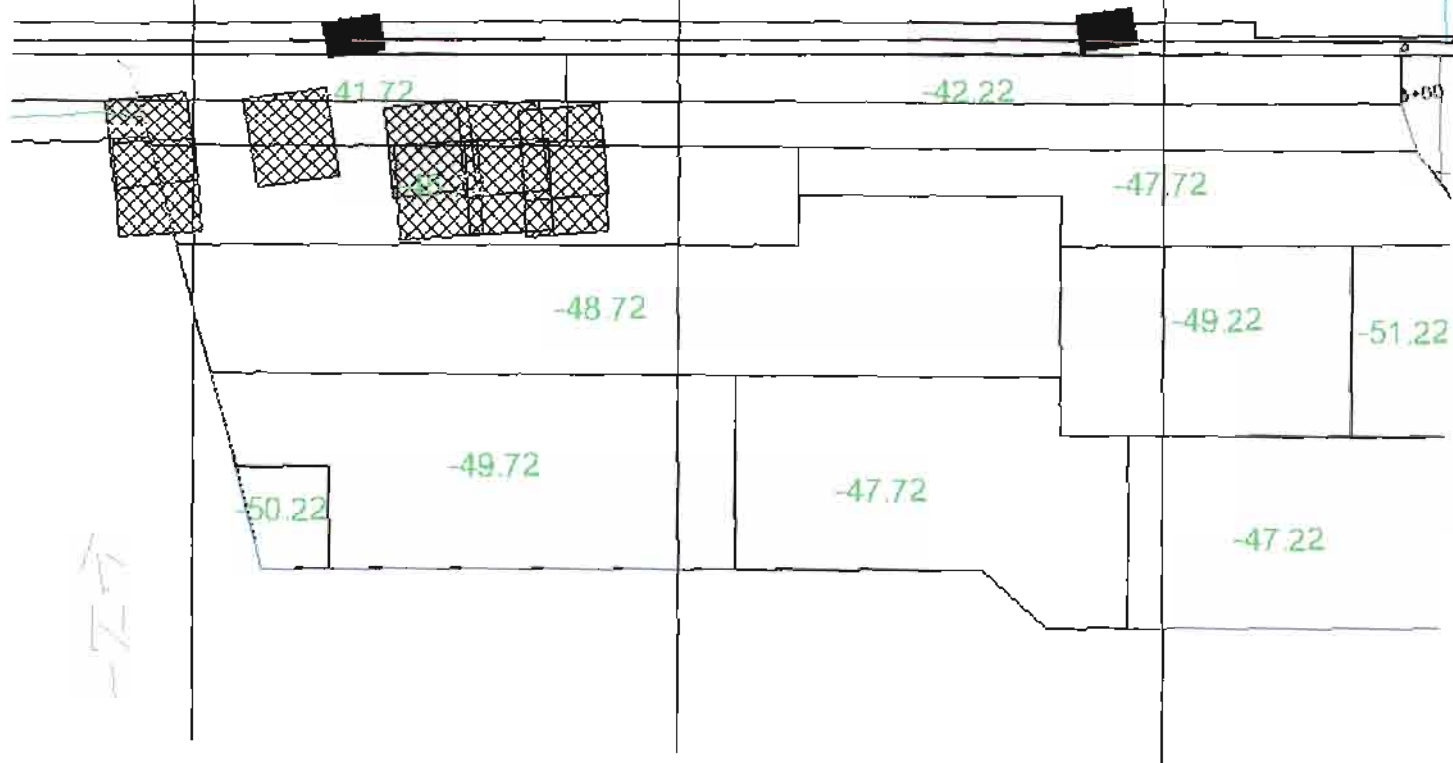
15:20 - 16:00

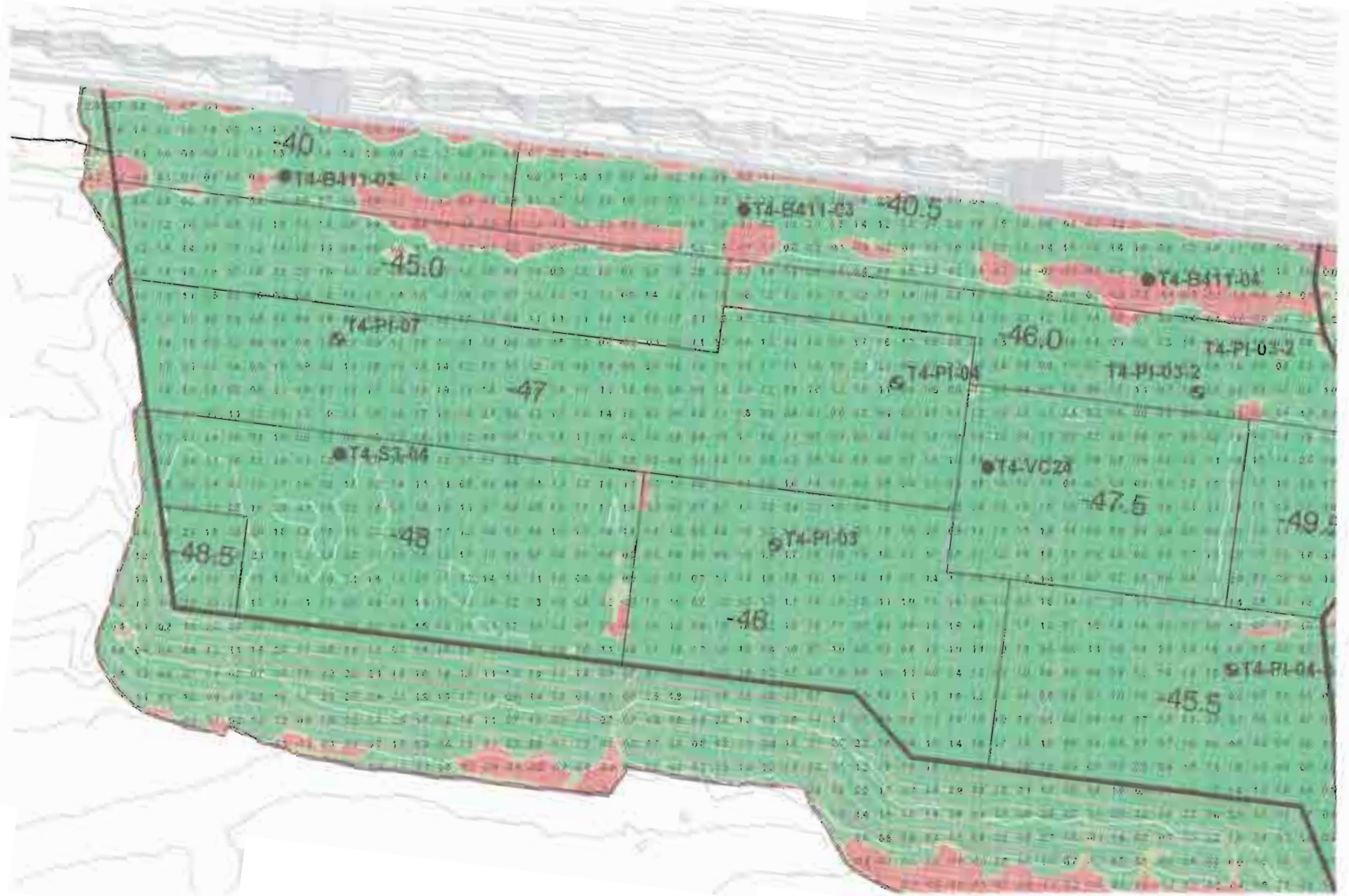
Ship Reedsport w/ MARY B - SECURE

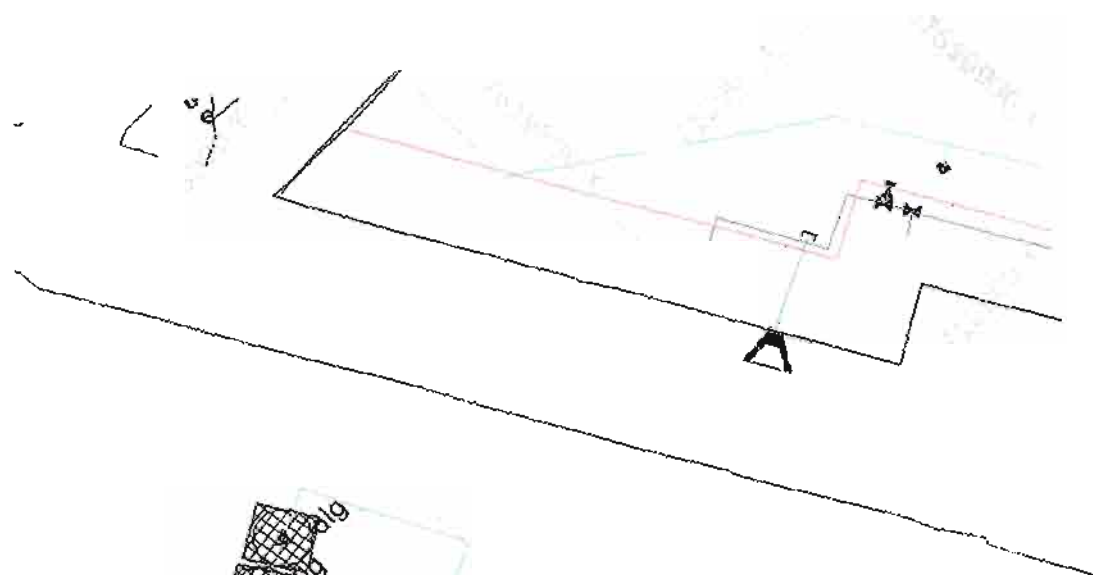
Extra work or delays (authorized by)

Sign [Signature]

BERTH 411

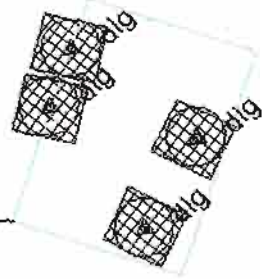






N 712889.66
E 7619616.24

13:54:14



Dredge T

7619647.18	712904.04	0.00	60.75	19.00	17.00	51585
7619664.36	712912.24	0.00	61.41	19.00	17.00	51411
7619668.62	712866.72	0.00	73.88	19.00	17.00	51225
7619639.97	712859.56	0.00	73.78	19.00	17.00	50955



PORT OF PORTLAND

DAILY DIARY

PAGE 1 OF 1

PROJECT T4 Removal Action-Phase 1 Dredging and Capping CONTRACT NO. 820027/2008D013

CONTRACTOR Hickey Marine Inc. SUPERINTENDENT Darrell Jamison

DAY OF WEEK & DATE: Thurs., Sept 11, 2008 REPORT NO. 24

WEATHER Sunny TEMPERATURE L 57 H 82

<u>NUMBER/CLASS OF CONTRACTOR'S PERSONNEL:</u> Hickey Dredge Crew: Superintendent Crane operator 3 Deck hands		<u>MAJOR EQUIPMENT ON JOB (Size/capacity and hours):</u> Crane/Derrick with 2 Barge/Scow	
<u>CHRONOLOGICAL ACCOUNT OF DAY'S WORK:</u> Contractor did not perform any project related activities today at B410/411 or at head of slip 3. Port/HME waiting on test results for capping material for B411 and material for head of slip 3.			
TESTING LABORATORY ON SITE: _____		HRS: _____	
TESTS PERFORMED: _____			
<u>PHONE LOG:</u> 			
<u>SITE PHOTOS/VIDEOS TAKEN:</u> 		<u>FORCE ACCOUNT WORK/ CHANGES ENCOUNTERED:</u> 	

INSPECTOR Philipp G. Bales HRS _____ DATE 9-11-8
(signature on hardcopy)

John Verduin
Project Engineer



Diary (continued)

Date: 9/12/08

Report Number: 23

08:00 arrive on site and confer with Hickey regarding schedule for day

09:00-09:55 Hickey moving SEAHORSE and SEA HAWK derricks into slip; also moved in work barge for piling removal and RI-14 loaded with sand cap material

09:55 Hickey begins placing sand collars on five pairs of pilings that will be removed at the head of the slip—approximately 1/3-1/2 buckets at each location

10:20-10:55 Hickey placing sorbent boom around pilings to be removed and along shoreline; and begin rigging first piling to be pulled from south (see notes for order of removal)

10:45 Hickey begins placing sand cap approximately 60 feet from dock face at toe of slope working shoreward towards shoreline of head-of-slip

10:55-11:55 Hickey begins pulling piles from south to north

- pilings pulled to point they are loose, but will stand by themselves
- small amount of turbidity generated during removal of pilings
- no sheen observed during removal process

12:00-12:45 Hickey rigging loose pilings and loading to work barge (onto geotextile mat)

13:00-14:00 Hickey moving large wood debris off of shoreline and placing on work barge with Sea Hawk derrick

12:55-14:55 Hickey continues sand cap placement between stations 0+80 and 1+60

- placement rate estimated at 100-150 cubic yards per hour

15:00 Hickey ends capping activities for the day

15:00-16:00 Hickey performs pre-capping bathymetry survey in area of type 3 cap placement area

15:40-16:00 SEA HAWK, SEA HORSE and associated vessels moved out of slip

16:30 Anchor off site

Tim Stone

Resident Engineer

John Verduin

Project Engineer

PROJECT T4 Removal Action-Phase 1 Dredging and Capping CONTRACT NO. 820027/2008D013CONTRACTOR Hickey Marine Inc. SUPERINTENDENT Darrell JamisonDAY OF WEEK & DATE: Fri., Sept 12, 2008 REPORT NO. 25WEATHER Sunny TEMPERATURE L 57 H 82**NUMBER/CLASS OF CONTRACTOR'S PERSONNEL:**

Hickey Dredge Crew:
Superintendent
Crane operator
2 Deck hands

MAJOR EQUIPMENT ON JOB (Size/capacity and hours):

Seahorse Crane/Derrick with Barge/Scow
Seahawk Crane/Derrick with barge/scow

CHRONOLOGICAL ACCOUNT OF DAY'S WORK:

(09:00-11:00) The Sand capping material test results have been accepted and Ross Is. Delivered Barge R1-14 to head of slip 3. HME's cranes (Seahorse, Seahawk) also mobilized to head of slip 3 to begin placing sand at B411 and pull remaining piles in-water that were recently cut per RFI #8.

Kinder/Morgan is loading vessel and is tied up near B410 allowing HME to place sand cap without interrupting K/M operations.

(10:00-14:10) Seahawk's crew secured oil water boom around crane/barge, then placed sand layers at base of each pile before any piles were removed.

(11:00-15:00) Seahorse's crew secured oil water boom (no silt curtain) around crane/barge and began placing approved sand to cap areas in B411. Crew placed sand between sta 0+60 to sta 1+40 (survey control on top of bank at head of slip 3).

EPA rep (AS) on site monitoring HME's pile removal and sand capping operations. Port proj mgr (NL) with EPA proj mgr (SS) also on site.

(15:00) HME performing bathymetry survey at areas that were capped with sand today.

(15:30) Port inspector (PGB) phoned K/M superintendent, and discussed their current ship schedule. It was K/M's preference to not have the crane/barge park overnight in slip 3. Therefore, Port inspector informed HME to relocate the Seahorse to B408 (slip 1) to berth overnight and not in the NE corner of slip 3 as they had originally planned.

(16:30) Tug had relocated Seahorse and scow to B408 and then de-mobilized the Seahawk back to HME yard. Both oil water booms and silt curtain are secured to NE piling walls. Crews left site.

TESTING LABORATORY ON SITE: _____ HRS: _____

TESTS PERFORMED: _____

PHONE LOG:**SITE PHOTOS/VIDEOS TAKEN:****FORCE ACCOUNT WORK/ CHANGES ENCOUNTERED:**



PORT OF PORTLAND

DAILY DIARY

PAGE 2 OF 2

PROJECT T4 Removal Action-Phase 1 Dredging and Capping CONTRACT NO. 820027/2008D013

CONTRACTOR Hickey Marine Inc. SUPERINTENDENT Darrell Jamison

DAY OF WEEK & DATE: Fri., Sept 12, 2008 REPORT NO. 25

WEATHER Sunny TEMPERATURE L 57 H 82

INSPECTOR Philipp G. Bales HRS DATE 9-12-8
(signature on hardcopy)

DAILY REPORT OF OPERATIONS:										CONTRACT NO:			
TO: P.O.P.			CONTRACTOR: HME				DATE(S): 9/12/08		REPORT NO: 23		CONTRACT DAY: 31		
PROJECT AND BAR		NAME: Terminal 4 Removal Action				AUTHORIZED DIMENSIONS: 190 x 80		WIDTH: 8 x 24 cells		DEPTH: 1' Fill			
		LOCATION: (include station no.) HEAD OF SLIP (SAND LAYER)						OVERDEPTH: .5					
DREDGE		NAME & TYPE: SEA HORSE DREVO				SIZE: 135 TON		DIPPER OR <u>BUCKET</u> :					
		HORSEPOWER OF 900						CY.CAP. 10					
		NUMBER OF CREW MEMBERS						WORK SCHEDULE					
CHANNEL CONDITION		Dredge: 4		Shore: 1		Other: 1		Total: 5		Shifts per day: 1		Days per week: 6	
		AVERAGE		BEFORE DREDGING		AFTER DREDGING		MINIMUM		BEFORE DREDGING		AFTER DREDGING	
CHARACTER OF MATERIAL AND PERCENTAGE		GRAVEL 5		MUD		STONE		DISTRIBUTION OF TIME					
		SAND 95		CLAY		HARDPAN		EFFECTIVE WORKING TIME (chargeable to cost of work)					
		SILT		OTHERS				HOURS MIN					
WORK PERFORMED						CAPPING		3					
AVERAGE WIDTH OF CUT				FEET		48		NON-EFFECTIVE WORKING TIME					
TOTAL ADVANCE THIS PERIOD				FEET		96 x 80		HANDLING ANCHOR LINES					
TOTAL ADVANCE PREVIOUS TO THIS PERIOD				FEET		0		WAITING FOR SCOWS					
TOTAL ADVANCE TO DATE				FEET				TO AND FROM WARP OR ANCHORAGE					
WATER PUMPED THIS PERIOD				GALLONS				CHANGING LOCATION OF PLANT ON JOB					
WATER PUMPED PREVIOUS TO THIS PERIOD				GALLONS				LOSS DUE TO OPPOSING NATURAL ELEM.					
TOTAL WATER PUMPED TO DATE				GALLONS				LOSS DUE TO PASSING VESSELS					
AVERAGE CAPPED PER HOUR				CU. YD		160		SHORE LINE AND SHORE WORK					
SCOWS LOADED				NUMBER				MINOR OPER. REPAIRS (explain below)					
AVERAGE LOAD PER SCOW				CU. YD				WAITING FOR ATTENDANT PLANT					
CUBIC YARDS REMOVED						PREPARATION AND MAKING UP TOW		1		30			
AMOUNT CAPPED THIS PERIOD						TRANSFERRING PLAN BETWEEN WORKS							
(1) GROSS (computed amount) 480 cu yds						LAY TIME OFF SHIRT AND SATURDAYS							
(2) CREDITED (pay place) 648 TON						SUNDAYS AND HOLIDAYS SURVEY		1					
AMOUNT PREVIOUSLY REPORTED:						SAFETY MEETING				15			
(1) GROSS (computed amount) 0						WATER PUMPING							
(2) CREDITED (pay place)						TOTAL NON-EFFECTIVE WORKING TIME		7					
AMOUNT CAPPED TO DATE						TOTAL EFFECTIVE AND NON-EFFECTIVE TIME (chargeable to cost of work)		10					
(1) GROSS (computed amount) 480 cu yds						LOST TIME (chargeable to cost of work)							
(2) CREDITED (pay place) 648 TON						MAJOR REPAIRS AND ALTERATIONS:							
ATTENDANT PLANT						CESSATION:							
ITEM		NAME OR NUMBER		HOURS		MISCELLANEOUS:							
TUG		HUSKY		10		TOTAL LOST TIME:							
MATERIAL BARGE		RE 14		8		TOTAL TIME IN PERIOD:							
Has anything developed which might lead to a change order or claim:													
ALL WORK PERFORMED DURING THIS PERIOD COMPIES WITH THE CONTRACT SPECIFICATIONS AND DRAWINGS:													
TITLE: Superintendent						SIGNATURE: [Signature]							



HICKEY MARINE ENTERPRISES

6801 NW Old Lower River Road

Vancouver, WA 98660

(360) 695-4553 (503) 284-1140

M T W T H ☒ S S

Job Name Terminal 4 Removal Action Date 9/12/08

Job No. 2428 Weather _____

Equipment: ☐ Sea Hawk ☐ Sea Vulture ☐ Sea Lion ☐ Viking ☐ 966 Loader ☐ Chetco

☐ Barge 174 ☐ Barge 34 ☐ BK5 ☐ Nova ☐ Barge 47 ☐ Barge Harvey A

☐ Manlift ☒ Other SEA HORSE, HUSKY

Equipment Safety Checks Performed? ☒ Yes / No

Personal Protective Equipment Safety Checks Performed? ☒ Yes / No

Work performed today

06:30 - 8:00	MOVE BARGES - MAKE UP TOW
8:00 - 9:00	MOVE to T-4
9:00 - 9:15	Spot RI BARGE
9:15 - 10:00	Set up to place SAND COLLER
10:00 - 10:15	PLACE SAND COLLER
10:15 - 11:00	Spot to place SAND LAYER - SET OUT ABSORBANT Boom
11:00 - 12:00	BEGIN SAND LAYER FILL # 4B CELLS
12:00 - 13:00	MOVE OVER to COVER MORE CELLS
13:00 - 14:45	PLACE SAND LAYER
14:45 - 16:15	SURVEY - TBL MOVES SEA HORSE to 408
16:15 - 16:30	SECURE - lift spuds ON SEAHAWK - RUN to YARD.

Extra work or delays (authorized by)

Sign



T-4/ The Dalles Offload Site Daily Inspection Checklist

Date 9/12/08

1) Safety Meeting:

Agenda: SCOPE OF WORK, Ship Schedule, CAREFUL
OF WALKING DOWN SIDES OF RI BRIDGES (NO HAWAII)

Attendees:

DARRELL JAMIESON

Phil STACEY

ALECUS JAEVIS

Scott Rust

Derrick SEAHORSE



Derrick Sea Vulture



2) Crane Inspection:



"Attach Operator Log/Inspection Log"

3) Plant Inspection



Deficiencies:

Date

Date

Corrected

BURNED OUT Light Bulbs in CAVE

9/12

9/12

CLEAN OUT SKIFF

9/12

4) Staff Gage Check



Time

Tideboard

Tide Track

10:00

.8

1.0

14:00

.5

.65

5) Main Fuel Tank Levels



Port

Starboard

Height

44 1/2

NA

Gallons

4,450

Consumption per day

50

6) Survey Boat



Fuel



Port

3/4

Starboard

3/4

Hull Depth

.7

Sound Velocity

4660

Latency

0

Position Verification

Boat

#30

X 7619999.31Y 713223.38

Control Point

X 7619999.36Y 713223.37

7) Dredge Material Weight

100

pounds per cubic foot

8) Dredge Boom Tip Verification

X 7619999.35Y 713223.31

Control Point

X 7619999.36Y 713223.37

9) Containment and Truck Load Area

Clean



Dust Suppression



Fabric



Spill Plates



10) Lash Barge:

NA

Draft

PB SB

Gallons Pumped Today

NA

Keep within 2 ft of trim

PS SS

Total Gallons

Tank Sounding

#1 #3 #2 #4

11) Baker Tank Level

#1 #2

12) De con Stations

Clean



Inventory



13) Dust Suppression

Location NATime Reading

Background

Location Time Reading Location Time Reading Location Time Reading Location Time Reading

14) Material Barge

RI #14

Draft

PB 4SB 4MT Tons 612

Total Tons

MT

PS 8.7SS 8648

Draft

PB 8.4SB 8.3LD Tons 1,260

Total Yards

LD

PS 9.9SS 9.8480



DAILY QUALITY CONTROL REPORT

Daily Report No. 23

Date: 9/12/08

Contract No. _____

Project Title: Terminal 4 Removal Action

Location: HEAD OF SLIP 411

Weather: CLEAR

Temperature: 65 Min. 80 Max

1. Contractor/Subcontractors and Area of Responsibility:

NUMBER	TRADE	HOURS	EMPLOYER	LOCATION/DESCRIPTION OF WORK
<u>4</u>	<u>DREDGE</u>	<u>10</u>	<u>HME</u>	<u>411 HEAD OF SLIP</u>
<u>1</u>	<u>SURVEY</u>	<u>8</u>	<u>ETRAC</u>	<u>411 HEAD OF SLIP</u>

2. Operating Plant or Equipment. (Not Hand Tools)

Plant/Equipment	Date of Arrival/Departure	Date of Safety Check	Hours Used	Hours Idle	Hours Repair
<u>SEA HORSE</u>	<u>9/12</u>	<u>9/12</u>	<u>3</u>	<u>7</u>	
<u>Husky</u>	<u>9/12</u>	<u>9/12</u>	<u>10</u>		
<u>Pibby</u>	<u>9/12</u>	<u>9/12</u>	<u>10</u>		
<u>RI #14</u>	<u>9/12</u>	<u>9/12</u>	<u>8</u>		

1. Work performed today: (Indicate location and description of work performed by prime and/or subcontractors by letter in table above).

MOVED AND DEPARTED HME DOCK FOR T-4. PLACED SAND COLLAR AROUND PILING AT HEAD OF SLIP BERTH 411. MOVED SEA HORSE OVER

AND SPOT TO PLACE SAND LAYER. SEA HAWK MOVES IN AND REMOVES
PILING. PLACE 480 CY OF SAND LAYER. SEA HAWK DEPARTS FOR
HOME AND SEA HORSE IS SECURED AT BERTH 408

2. Results of control activities: (Indicate whether P – Preparatory, I – Initial, or F – Follow-up phase. When a P or I meeting is conducted, complete attachment 1-A or 1-B, respectively. When network analysis system is used, identify work by use of I-J numbers.

Worked with Pile Driving crew to Deploy Absorbent Boom Around piling
to be Removed.

Attached is print of cells filled Today.

3. Offsite surveillance activities, including action taken:

Photo's and Video Taken of Sand Layer Placement

4. Job Safety: (Report violations; corrective instructions given; corrective actions taken).

1. Pick up all Trip Hazards in Skiff

2. Eye protection when striking Hammer

3. Paint trip Hazards Safety Yellow

4. Notify Operator Before Barring Crane

5. Remarks: (Instructions received or given. Conflict(s) in plans and/or specifications).

1. Mooring lines from ship at Berth 411 left us unable to start our Sand Layer
Along Fender line. Began placing Sand layer 48' South of Fender line.

2. Appeared to be no release of oil after piling removal.

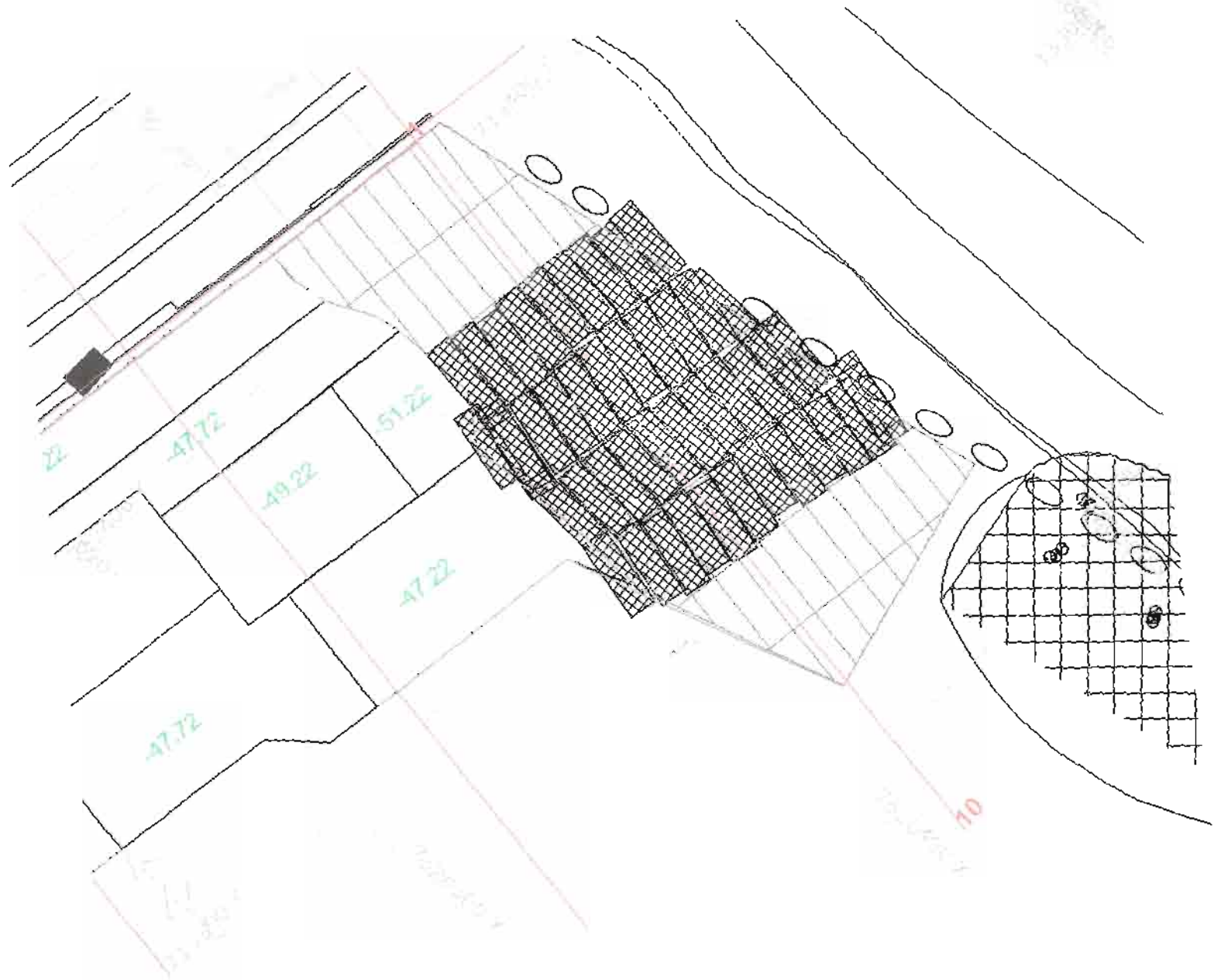
Contractor's Verification: On behalf of the Contractor, I certify this report is complete and correct, and all materials and equipment used and work performed during this reporting period are in compliance with the contract plans and specifications, to the best of my knowledge, except as noted above.

Authorized CQC Rep at Site

Date



9/13/08



Dredge T

7620483.41	713271.12	0.00	101.76	24.00	8.00	53983
7620484.34	713274.57	0.00	100.94	24.00	8.00	53978
7620478.21	713270.57	0.00	102.15	24.00	8.00	53963
7620470.70	713271.99	0.00	102.48	24.00	8.00	53335
7620472.36	713284.75	0.00	99.16	24.00	8.00	53324
7620474.06	713297.66	0.00	95.40	24.00	8.00	52874
7620479.05	713296.95	0.00	95.50	24.00	8.00	52862
7620463.40	713275.04	0.00	102.13	24.00	8.00	52320
7620474.72	713320.54	0.00	89.55	24.00	8.00	51901
7620466.65	713298.21	0.00	95.31	24.00	8.00	51777
7620455.27	713275.65	0.00	101.85	24.00	8.00	51434
7620458.91	713300.57	0.00	94.95	24.00	8.00	51025
7620447.10	713279.27	0.00	101.26	24.00	8.00	50811
7620451.07	713301.60	0.00	94.86	24.00	8.00	50490
7620438.98	713278.30	0.00	102.13	24.00	8.00	50267
7620442.87	713302.68	0.00	94.77	24.00	8.00	49946
7620430.57	713278.57	0.00	102.91	24.00	8.00	49726
7620435.23	713304.80	0.00	94.73	24.00	8.00	49511
7620422.77	713281.63	0.00	102.47	24.00	8.00	49271
7620426.48	713305.63	0.00	94.46	24.00	8.00	49095
7620415.12	713281.85	0.00	102.87	24.00	8.00	48948
7620419.12	713306.64	0.00	93.85	24.00	8.00	48778
7620408.33	713284.92	0.00	102.51	24.00	8.00	48592
7620411.34	713308.14	0.00	93.75	24.00	8.00	48469
7620402.98	713311.85	0.00	92.36	24.00	8.00	48237
7620399.77	713289.14	0.00	101.60	24.00	8.00	48220
7620470.14	713323.58	0.00	102.84	24.00	8.00	45927
7620462.45	713324.51	0.00	102.89	24.00	8.00	45481
7620474.07	713348.50	0.00	96.26	24.00	8.00	45122
7620465.96	713348.70	0.00	96.37	24.00	8.00	45093
7620454.43	713326.05	0.00	103.01	24.00	8.00	44796
7620458.80	713351.16	0.00	96.03	24.00	8.00	44615
7620446.62	713328.61	0.00	102.60	24.00	8.00	44376
7620451.11	713352.81	0.00	95.86	24.00	8.00	43371
7620438.25	713329.08	0.00	103.32	24.00	8.00	42805
7620443.02	713354.19	0.00	96.09	24.00	8.00	42473
7620430.65	713329.92	0.00	103.79	24.00	8.00	42205
7620434.28	713354.75	0.00	96.30	24.00	8.00	42038
7620422.69	713331.54	0.00	104.05	24.00	8.00	41881
7620426.22	713354.80	0.00	96.60	24.00	8.00	41682
7620415.31	713332.67	0.00	104.17	24.00	8.00	41445
7620418.74	713356.79	0.00	95.95	24.00	8.00	41122
7620401.85	713340.90	0.00	102.32	24.00	8.00	40804
7620405.55	713331.98	0.00	105.19	24.00	8.00	40588
7620406.50	713334.00	0.00	104.42	24.00	8.00	40586
7620407.11	713337.41	0.00	102.97	24.00	8.00	40457
7620411.50	713359.04	0.00	95.12	24.00	8.00	40243
7627309.79	731119.13	0.00	319.47	24.00	8.00	25903

Daily Construction Report Number: 24

Work Hours: 06:00 to 13:00

Project Number: 050332-01 Day: Saturday Date: 09/13/08

Weather AM: Clear-part cloudy L: 62 °F PM: Clear 88 °F

Tides:	Time	Height
	1140	0.5

Contractor: Hickey Marine Sub: _____

Contractors Rep and Title: Darrell Jamieson (Project Superintendent)

Work Day Charge: NA Day: _____ Reason: _____

Project Pictures? **X Yes** No Subject: Placement of organoclay cap material

Visitors:

[illegible]

Diary (Report of Day's Operations, Orders given and received, discussions with contractor, visitors, unusual conditions, major material deliveries, delays)

See next page.

Tim Stone

Resident Engineer

John Verduin

Project Engineer

Diary (continued)

Date: 9/13/08

Report Number: 24

06:00 arrive on site

06:30-07:00 Hickey moving SEAHORSE into slip and preparing to place type 2 sand cap

07:15-09:00 Hickey placing type 2 sand cap at south extent of cap area

09:00-19:15 Ross Island delivers barge of organoclay (type 3 cap) mixture

09:15-10:30 Hickey preparing to place type 3 cap material

- meet with Hickey regarding final footprint of cap area and lateral extent of slope-to-grade at five foot bench along piling wall
 - Hickey conducting survey of type 2 sand cap area
-

10:30-11:30 Hickey placing type 3 cap material outside of piling wall

- material appears to fall through water column
 - slight turbidity plume generated as material is placed a few inches above water surface
 - 150-200 cubic yards (estimated) placed outside of the piling wall on slope
-

11:30-12:30 Hickey demobilizing capping equipment and materials and preparing to move vessels out of slip to allow movement of ship being loaded in Berths 410 and 411.

13:00 Anchor off site

Tim Stone

Resident Engineer

John Verduin

Project Engineer

PROJECT T4 Removal Action-Phase 1 Dredging and Capping CONTRACT NO. 820027/2008D013CONTRACTOR Hickey Marine Inc. SUPERINTENDENT Darrell JamisonDAY OF WEEK & DATE: Fri., Sept 12, 2008 REPORT NO. 25WEATHER Sunny TEMPERATURE L 55 H 81**NUMBER/CLASS OF CONTRACTOR'S PERSONNEL:**

Hickey Dredge Crew:
Superintendent
Crane operator
2 Deck hands

MAJOR EQUIPMENT ON JOB (Size/capacity and hours):

Seahorse Crane/Derrick with Barge/Scow
Seahawk Crane/Derrick with barge/scow

CHRONOLOGICAL ACCOUNT OF DAY'S WORK:

(06:45) Crane Seahorse/derrick with sand barge relocated back from B408 to B411 and head of slip 3
(07:00) After securing oil water boom around both crane and barge R1-14, crane continued placing sand cap at B411 dredged area.

(09:40) Ross Is. With Tug delivered new barge with oregonoclay and de-mobilized sand barge R1-14, back to Ross Is. Yard . There Ross Is will relocate remaing sand for capping onto 1 barge and are scheduled to return it back to B411 Monday morning.
Crane stopped placing sand at this time.

(10:00) HME (GS, DJ) with Port (PGB) and Anchor (TS) on derrick discussing HME's plan of placing oregonoclay and armor rock on river side of timber pinch pile bulkhead wall at head of slip 3.

REF: dwg sheet detail 1/C6 and 2/C6. Note 2/C6 is not to scale.

HME reviewed with Port/Anchor their plan on placing the entire 18" layer of oregonoclay within the footprint of work area shown on detail 1/C6, but with armor rock they plan on building the 5'shelf out from the bulkhead and creating a 1:1 slope to where the toe of slope for armor would end at the footprint of the work area shown on sheet detail 1/C6. Therefore, the 18" of oregonoclay at the toe of the armor rock slope would only have a few rocks capping the oregonoclay section.
Port/Anchor to review.

(10:30-12:40) Seahorse Crane placed 10 buckets (approx. 10cuyds per bucket) of oregonoclay on riverside of bulkhead. Oregonoclay mixed with sand when placed in water appears to be capping mudline with very little residual floating on top of water.

(13:00) Tug relocated Seahorse crane/ barge and oregonoclay barge back to B408, secured crane barge and left site around 13:45.

TESTING LABORATORY ON SITE: _____ HRS: _____

TESTS PERFORMED: _____

PHONE LOG:**SITE PHOTOS/VIDEOS TAKEN:****FORCE ACCOUNT WORK/ CHANGES ENCOUNTERED:**



PORT OF PORTLAND

DAILY DIARY

PAGE 2 OF 2


PROJECT T4 Removal Action-Phase 1 Dredging and Capping CONTRACT NO. 820027/2008D013

CONTRACTOR Hickey Marine Inc. SUPERINTENDENT Darrell Jamison

DAY OF WEEK & DATE: Fri., Sept 12, 2008 REPORT NO. 25

WEATHER Sunny TEMPERATURE L 55 H 81

INSPECTOR Philipp G. Bales HRS DATE 9-13-8
(signature on hardcopy)

DAILY REPORT OF OPERATIONS:										CONTRACT NO:					
TO: P.O.P.				CONTRACTOR: HME				DATE(S): 9/13/08		REPORT NO: 24		CONTRACT DAY: 32			
PROJECT AND BAR		NAME: Terminal 4 Removal Action				AUTHORIZED DIMENSIONS: 190 x 80 120 x 40		WIDTH: 8 x 24 cells		DEPTH: 1' fill 1.5' fill					
		LOCATION: (include station no.) HEAD OF SLIP (SAND LAYER / ORGANO CLAY)						OVERDEPTH: .5							
DREDGE		NAME & TYPE: SEA HORSE DREVO				SIZE: 135 TON		DIPPER OR BUCKET:							
		HORSEPOWER OF 900						10 CY.CAP.							
		NUMBER OF CREW MEMBERS						WORK SCHEDULE							
CHANNEL CONDITION		Dredge: 4		Shore: 1		Other: 1		Total: 6		Shifts per day: 1		Days per week: 6			
		AVERAGE		BEFORE DREDGING		AFTER DREDGING		MINIMUM		BEFORE DREDGING		AFTER DREDGING			
CHARACTER OF MATERIAL AND PERCENTAGE		GRAVEL		MUD		STONE		DISTRIBUTION OF TIME							
		SAND		CLAY		HARDPAN		EFFECTIVE WORKING TIME (chargeable to cost of work)				HOURS		MIN	
		SILT		OTHERS											
WORK PERFORMED						CAPPING		2		45					
AVERAGE WIDTH OF CUT				FEET		24		NON-EFFECTIVE WORKING TIME							
TOTAL ADVANCE THIS PERIOD				FEET		30 cells		HANDLING ANCHOR LINES							
TOTAL ADVANCE PREVIOUS TO THIS PERIOD				FEET				WAITING FOR SCOWS				1		30	
TOTAL ADVANCE TO DATE				FEET				TO AND FROM WARE OR ANCHORAGE							
WATER PUMPED THIS PERIOD				GALLONS				CHANGING LOCATION OF PLANT ON JOB				1		45	
WATER PUMPED PREVIOUS TO THIS PERIOD				GALLONS				LOSS DUE TO OPPOSING NATURAL ELEM.							
TOTAL WATER PUMPED TO DATE				GALLONS				LOSS DUE TO PASSING VESSELS							
AVERAGE CAPPED PER HOUR				CU. YD		113		SHORE LINE AND SHORE WORK SURVEY				1		45	
SCOWS LOADED				NUMBER				MINOR OPER. REPAIRS (explain below)							
AVERAGE LOAD PER SCOW				CU. YD				WAITING FOR ATTENDANT PLANT							
CUBIC YARDS REMOVED						PREPARATION AND MAKING UP TOW									
AMOUNT CAPPED THIS PERIOD				SAND LAYER		ORGANO CLAY		TRANSFERRING PLAN BETWEEN WORKS							
(1) GROSS (computed amount)				270 TON		147 TON		LAY TIME OFF SHIRT AND SATURDAYS							
(2) CREDITED (pay place)				200 CYES		113 CYES		SUNDAYS AND HOLIDAYS							
AMOUNT PREVIOUSLY REPORTED:						SAFETY MEETING						15			
(1) GROSS (computed amount)				648 TON		0		WATER PUMPING							
(2) CREDITED (pay place)				480 CYES				TOTAL NON-EFFECTIVE WORKING TIME				5		15	
AMOUNT CAPPED TO DATE						TOTAL EFFECTIVE AND NON-EFFECTIVE TIME (chargeable to cost of work)				8		00			
(1) GROSS (computed amount)				918 TON		147 T		LOST TIME (chargeable to cost of work)							
(2) CREDITED (pay place)				680 CYES		113 CYES		MAJOR REPAIRS AND ALTERATIONS:							
ATTENDANT PLANT						CESSATION:									
ITEM		NAME OR NUMBER		HOURS		MISCELLANEOUS:									
Material BARGE		RI 15		4		TOTAL LOST TIME:									
Material BARGE		RI 14		4		TOTAL TIME IN PERIOD:									
Tub		Husky		8											
Survey Boat		P. Bay		8											
Has anything developed which might lead to a change order or claim:															
ALL WORK PERFORMED DURING THIS PERIOD COMPIES WITH THE CONTRACT SPECIFICATIONS AND DRAWINGS:															
TITLE: Superintendent						SIGNATURE: 									



HICKEY MARINE ENTERPRISES

6801 NW Old Lower River Road
Vancouver, WA 98660
(360) 695-4553 (503) 284-1140

M T W T H F ☒ S

Job Name Terminal 4 Removal Action Date 9/12/08

Job No. 2428 Weather _____

Equipment: ☐ Sea Hawk ☐ Sea Vulture ☐ Sea Lion ☐ Viking ☐ 966 Loader ☐ Chetco

☐ Barge 174 ☐ Barge 34 ☐ BK5 ☐ Nova ☐ Barge 47 ☐ Barge Harvey A

☐ Manlift ☒ Other R.I. 14, HUSKY, SEA HORSE

Equipment Safety Checks Performed? ☒ Yes / No

Personal Protective Equipment Safety Checks Performed? ☒ Yes / No

Work performed today

06:00 - 6:45	WARM UP - MOVE DREDGE FROM B 408 - B 411
6:45 - 7:00	SET UP TO PLACE SAND LAYER
7:00 - 7:15	SAFETY MEETING
7:15 - 9:00	BEGIN PLACING SAND LAYER
9:00 - 10:30	SWAP BARGES WITH R.I. (FINISH ALL AREAS THAT WE CAN REACH)
10:30 - 11:30	BEGIN PLACING ORGANIC CLAY
11:30 - 13:00	SURVEY ORGANIC CLAY (MAINTAINENCE)
13:00 - 14:00	MOVE DREDGE TO BERTH 408 (SECURE)

Extra work or delays (authorized by) _____

Sign _____



T-4/ The Dalles Offload Site Daily Inspection Checklist

Date 9/13/08

1) Safety Meeting:

Agenda: SHIP SCHEDULE - ORGANOCALY PLACING -
COMMUNICATION

Attendees:

DANIEL JAMIESON

Phil Stacey

ALCIBUS JARVIS

CASEY CDX

Derrick SEAHORSE



Derrick Sea Vulture



2) Crane Inspection:



"Attach Operator Log/Inspection Log"

3) Plant Inspection



Deficiencies:

Date

Date

Corrected

CLEAN OUT SKIFF

9/12

9/13

REPAIR CRANE SIDE DOOR

9/13

4) Staff Gage Check



Time

Tideboard

Tide Track

12:00

.3

.32

5) Main Fuel Tank Levels



Port

Starboard

Height 44

Gallons 4400

Consumption per day 50

6) Survey Boat

Fuel

Port

Starboard

3/4

3/4

Hull Depth

.7

Sound Velocity

4862

Latency

0

Position Verification

Boat

#30

X 7619999.09

Y 713223.41

Control Point

X 7619999.36

Y 713223.37

SAND LAYER
ORGANOCILAY

.100 lbs

96.2 lbs

7) Dredge Material Weight

pounds per cubic foot

8) Dredge Boom Tip Verification

X 7619999.56

Y 713223.85

#30

Control Point

X 7619999.36

Y 713223.37

9) Containment and Truck Load Area

Clean

Dust Suppression

Fabric

Spill Plates

10) Lash Barge:

Keep within 2 ft of trim

Draft

PB

SB

Gallons Pumped Today

PS

SS

NA

Total Gallons

Tank Sounding

#1

#3

#2

#4

11) Baker Tank Level

#1

#2

12) De con Stations

Clean

Inventory

13) Dust Suppression

Location NA

Time

Reading

Background

Location

Time

Reading

Location

Time

Reading

Location

Time

Reading

Location

Time

Reading

14) Material Barge

RE #15

ORGANOCILAY

Draft

PB 5³SB 8⁴

MT Tons 1360

Total Tons

MT

PS 7⁴SS 6³

147

Total Yards

Draft

PB 6⁵SB 8³

LD Tons 1567

113

LD

PS 6⁸SS 8⁵

10 Buckets

SAND LAYER

20 buckets @ 10 yds

200 yds placed

total

680 cu yds to DATE



DAILY QUALITY CONTROL REPORT

Daily Report No. 24

Date: 9/13/08

Contract No. _____

Project Title: Terminal 4 Removal Action

Location: BERTH 411

Weather: Clear

Temperature: 61 Min. 82 Max

1. Contractor/Subcontractors and Area of Responsibility:

NUMBER	TRADE	HOURS	EMPLOYER	LOCATION/DESCRIPTION OF WORK
<u>4</u>	<u>DREDGE</u>	<u>8</u>	<u>HME</u>	<u>Head of Slip / CAPPING</u>
<u>1</u>	<u>SURVEY</u>	<u>8</u>	<u>ETAC</u>	<u>PROGRESS SURVEY</u>

2. Operating Plant or Equipment. (Not Hand Tools)

Plant/Equipment	Date of Arrival/Departure	Date of Safety Check	Hours Used	Hours Idle	Hours Repair
<u>SEA HORSE</u>	<u>9/12</u>	<u>9/13</u>	<u>3</u>	<u>5</u>	
<u>Husky</u>	<u>9/12</u>	<u>9/13</u>	<u>8</u>		
<u>Pully</u>	<u>9/12</u>	<u>9/13</u>	<u>8</u>		
<u>RE #15</u>	<u>9/13</u>	<u>9/13</u>	<u>4</u>		
<u>RI #14</u>	<u>9/12</u> <u>9/13</u>	<u>9/13</u>	<u>4</u>		

1. Work performed today: (Indicate location and description of work performed by prime and/or subcontractors by letter in table above).

Finished Placing Sandlayer (20 cells) Except Along Berth until ship
Departs, Swapped Sandlayer Barge for Dredgelay Barge. Set up and

place 10 buckets of Organoclay. Move out for Survey

Sand layer placed - 200 cu yds

Organoclay placed - 113 cu yds

2. Results of control activities: (Indicate whether P - Preparatory, I - Initial, or F - Follow-up phase. When a P or I meeting is conducted, complete attachment 1-A or 1-B, respectively. When network analysis system is used, identify work by use of I-J numbers.

1. Experimented with placing Organoclay wet or dry. Material Deploy's out of Bucket better when dry and seems to all fall to River bottom.

2. Dredge will be spotted to work 1 row of 8x24 cells at a time to avoid Arc of Swing Radius when Deploying Organoclay.

3. Offsite surveillance activities, including action taken:

4. Job Safety: (Report violations; corrective instructions given; corrective actions taken).

1. Work together with Tug and Skiff for spotting dredge (Bucket cannot disturb capped AREA)

2. Repair cutting torch hose leaks

3. Housekeeping (work boats)

5. Remarks: (Instructions received or given. Conflict(s) in plans and/or specifications).

Constant monitoring and surveying to not overplace organoclay.

1 full bucket to be spread throughout the 8x24 cell.

Contractor's Verification: On behalf of the Contractor, I certify this report is complete and correct, and all materials and equipment used and work performed during this reporting period are in compliance with the contract plans and specifications, to the best of my knowledge, except as noted above.

Authorized CQC Rep at Site

Date



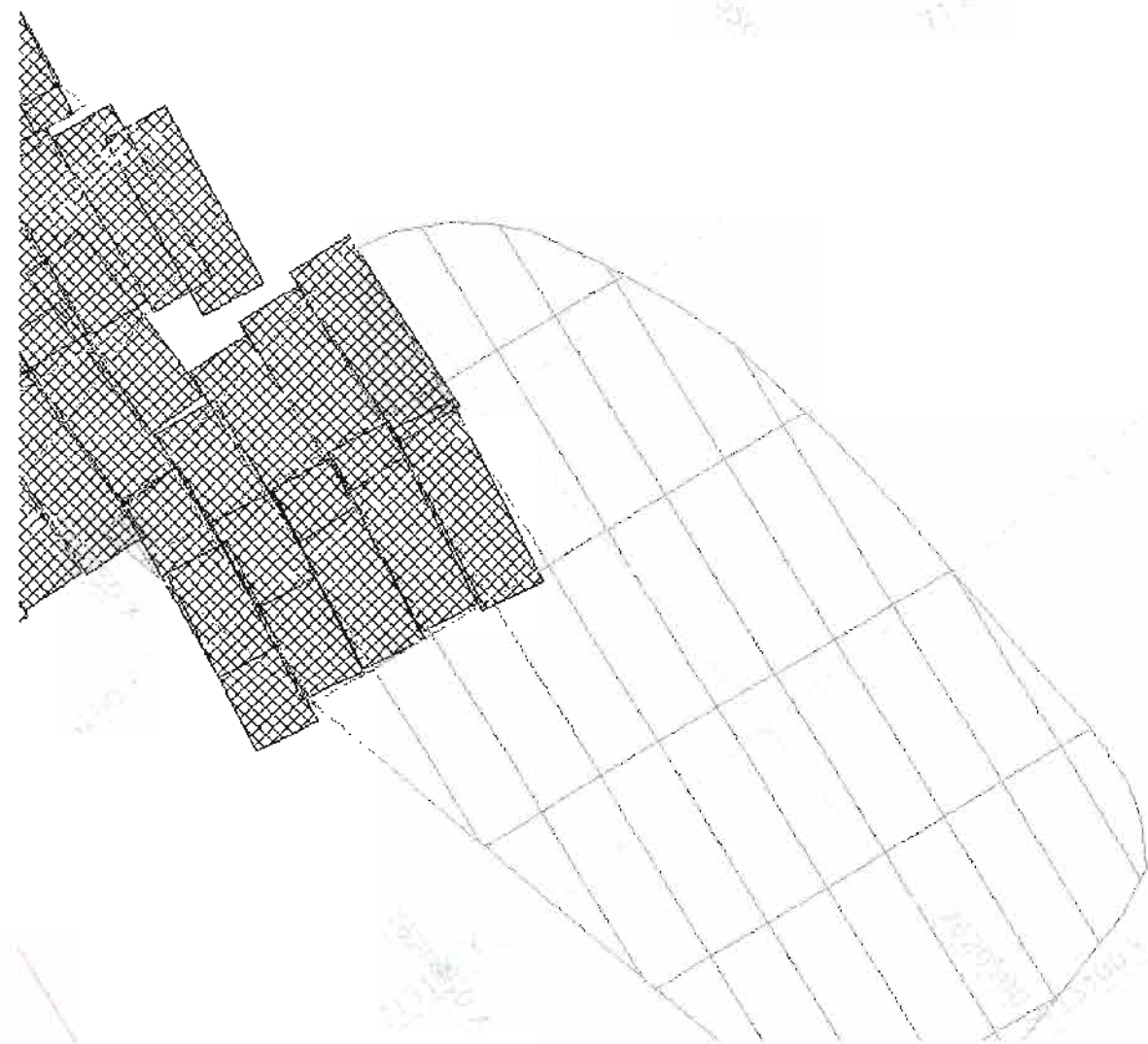
9/15/08

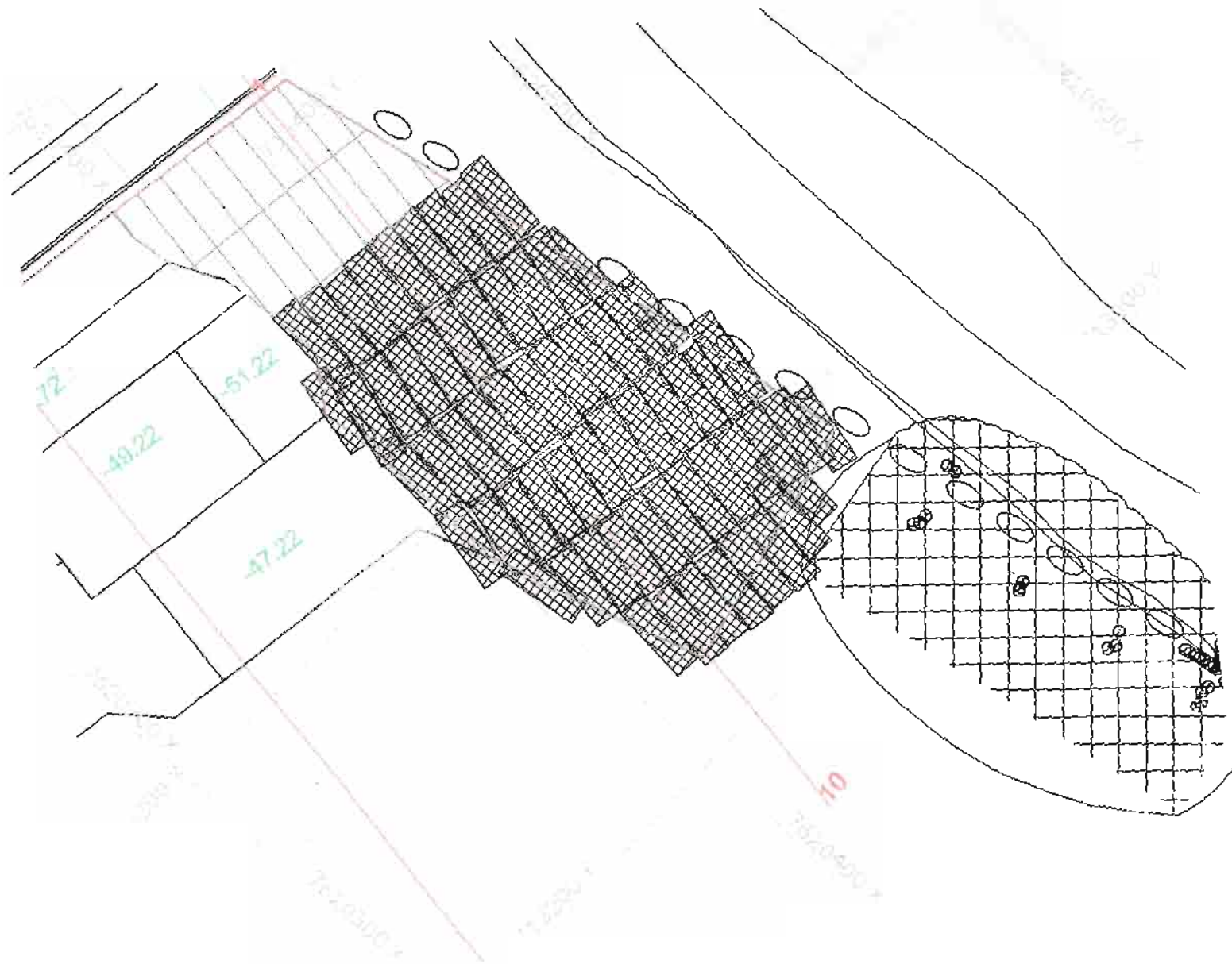
Dredge T

7620494.57	713215.14	0.00	97.44	24.00	8.00	40901
7620486.05	713214.45	0.00	97.83	24.00	8.00	40542
7620477.74	713213.72	0.00	98.37	24.00	8.00	40329
7620469.57	713210.52	0.00	99.63	24.00	8.00	40148
7620490.06	713192.93	0.00	103.49	24.00	8.00	39622
7620482.84	713195.73	0.00	102.81	24.00	8.00	39374
7620475.00	713196.62	0.00	103.11	24.00	8.00	39190
7620467.02	713198.20	0.00	103.05	24.00	8.00	38991
7620459.16	713196.97	0.00	103.95	24.00	8.00	38849
7620461.01	713207.14	0.00	100.70	24.00	8.00	38824
7620416.46	713234.59	0.00	94.99	24.00	8.00	25605
7620404.76	713266.84	0.00	82.18	24.00	8.00	25959
7620423.79	713230.88	0.00	95.99	24.00	8.00	26163
7620431.93	713230.29	0.00	95.64	24.00	8.00	26438
7620439.51	713228.56	0.00	96.00	24.00	8.00	26672
7620447.85	713228.37	0.00	95.92	24.00	8.00	26879
7620456.16	713226.95	0.00	95.90	24.00	8.00	27266
7620464.10	713230.59	0.00	94.69	24.00	8.00	27435
7620471.70	713235.27	0.00	93.26	24.00	8.00	27511
7620412.45	713259.59	0.00	99.02	24.00	8.00	28886
7620419.86	713257.53	0.00	99.50	24.00	8.00	29127
7620427.62	713255.62	0.00	99.82	24.00	8.00	29273
7620435.77	713254.57	0.00	99.66	24.00	8.00	29650
7620443.32	713253.70	0.00	99.34	24.00	8.00	29843
7620450.81	713252.12	0.00	99.39	24.00	8.00	30163
7620459.19	713250.82	0.00	99.27	24.00	8.00	30366
7620467.30	713249.81	0.00	99.48	24.00	8.00	30671
7620475.38	713248.18	0.00	99.60	24.00	8.00	30945
7620482.85	713245.40	0.00	100.19	24.00	8.00	31362
7620487.26	713241.26	0.00	101.03	24.00	8.00	31629

ORGANOCLAY

SAND LAYER





ATTACHMENT B
DAILY CONSTRUCTION MONITORING REPORTS FOR WHEELER BAY

WEEKLY PHOTOGRAPH LOG (9/2 to 9/5/08)

Project Name: Wheeler Bay Construction
Project Number: 1066-04



Client: Port of Portland
Location: Portland, Oregon

Photo No: 1	 <p>2008.09.02 09:13</p>
Photo Date: 9/2/08	
Orientation: Sta 6+00, Looking S	
Description: Cut and fill.	
Photo No: 2	 <p>2008.09.02 15:48</p>
Photo Date: 9/2/08	
Orientation: Sta 3+00, Looking SE	
Description: Placing armor rock to 2:1 slope in area of existing armor.	

WEEKLY PHOTOGRAPH LOG (9/2 to 9/5/08)

Project Name: Wheeler Bay Construction
Project Number: 1066-04

Client: Port of Portland
Location: Portland, Oregon

Photo No: 3	
Photo Date: 9/3/08	
Orientation: Sta 6+50, Looking NW	
Description: Excavation to subgrade at toe of slope.	
Photo No: 4	
Photo Date: 9/3/08	
Orientation: Sta 6+50, Looking NW	
Description: Cut and fill.	

WEEKLY PHOTOGRAPH LOG (9/2 to 9/5/08)

Project Name: Wheeler Bay Construction
Project Number: 1066-04



Client: Port of Portland
Location: Portland, Oregon

Photo No: 5	
Photo Date: 9/4/08	
Orientation: Sta 4+00, Looking SE	
Description: Construct toe.	
Photo No: 6	
Photo Date: 9/4/08	
Orientation: Sta 6+00, Looking SW	
Description: Placing anchor blocks for habitat logs.	

WEEKLY PHOTOGRAPH LOG (9/2 to 9/5/08)

Project Name: Wheeler Bay Construction
Project Number: 1066-04



Client: Port of Portland
Location: Portland, Oregon

Photo No: 7	
Photo Date: 9/4/08	
Orientation: Sta 6+00, Looking SW	
Description: Demarcation layer and filter fabric placement prior to select fill placement.	
Photo No: 8	
Photo Date: 9/4/08	
Orientation: Sta 7+00, Looking W	
Description: Placing select fill.	

WEEKLY PHOTOGRAPH LOG (9/2 to 9/5/08)

Project Name: Wheeler Bay Construction
Project Number: 1066-04

Client: Port of Portland
Location: Portland, Oregon

Photo No: 9	
Photo Date: 9/4/08	
Orientation: Sta 8+20, Looking N	
Description: Armor rock at top of slope.	
Photo No: 10	
Photo Date: 9/5/08	
Orientation: Sta 6+00, Looking NW	
Description: Construct toe.	

WEEKLY PHOTOGRAPH LOG
(9/2 to 9/5/08)

Project Name: Wheeler Bay Construction
Project Number: 1066-04

Client: Port of Portland
Location: Portland, Oregon

Photo No: 11	
Photo Date: 9/5/08	
Orientation: Sta 6+50, Looking NW	
Description: Site view.	



9615 SW Allen Boulevard, Suite 106
 Portland, Oregon 97005-4814
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 Portland (503) 924-4704
 Vancouver (360) 567-3977
 Fax (503) 924-4707

PROJECT NUMBER 1066-04
 FIELD REPORT NUMBE 24
 PAGE 1 OF 2
 DATE 9/8/2008

PROJECT	Wheeler Bay Stabilization	ARRIVAL TIME	655
LOCATION	Terminal 4	DEPARTURE TIME	1430
CLIENT	Port of Portland	WEATHER	sunny 85F; Winds: NW 10-12 mph
PURPOSE OF OBSERVATIONS	Field Oversight		
ASH CREEK REPRESENTATIVE	D. Urquhart	ASH CREEK PROJECT MANAGER	H. Clough
SUBCONTRACTOR	Envirocon	SUBCONTRACTOR REP.	George Lotze

Our firm's professionals are represented on site solely to observe operations of the subcontractor identified, to form opinions about the adequacy of those operations, and to report those opinions to our client. The presence and activities of our field representative do not relieve any subcontractor from its obligation to meet contractual requirements. The subcontractor retains sole responsibility for site safety and the methods, operations, and sequence of construction. Unless signed by the Ash Creek Associates Project Manager, this report is preliminary. A preliminary report is provided solely as evidence that field observation was performed. Observations and/or conclusions and/or recommendations conveyed in the final report may vary from and shall take precedence over those included in preliminary report.

DAILY INSPECTION LOG:					
Construction Element	MEETS INSPECTION CRITERIA			SEE ENVIROCON REPORT	SEE BELOW
	YES	NO	NA		
Site Preparation					
Erosion Control Installation			X		
Clearing and Grubbing			X		
Load Out Excess Cut			X		
Debris Clear of Excess Soil			X		
Shoreline Stabilization					
Sub-grade Cut and Fill			X		
Demarcation Layer			X		
Select Fill			X		
Filter Fabric			X		
Armor (ODOT Class 100)			X		
Material					
Physical/Chemical Testing of Import Material			X		
Visual Inspection			X		
In-place Moisture Density Testing			X		
Compaction Testing			X		
Grading Inspection					
Final Grade 3H:1V in North Portion of Slope			X		
Final Grade 2H:1V in Southern Portion of Slope			X		
Compaction Testing			X		
Vegetation and Groundcover					
Topsoil			X		
Coir Fabric			X		
Shrubs and Plantings			X		
Mulch			X		
Hydroseeding			X		
Habitat Cover			X		
Jute Matting			X		
Habitat Logs and LWD			X		
COMMENTS:					



Ash Creek Associates, Inc.

Environmental and Geotechnical Consultants

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Fax (503) 924-4707

PROJECT NUMBER 1066-04
FIELD REPORT NUMBER 24
PAGE 2 OF 2
DATE 9/8/2008

DAILY INSPECTION LOG CONT'D:

Construction Element	MEETS INSPECTION CRITERIA			SEE ENVIROCON REPORT	SEE BELOW
	YES	NO	NA		
Temporary Erosion and Sediment Control (TESC)					
TESC Measures	X				
SW Runoff			X		
Surface Water Quality (Tier I: visible sheen and/or turbidity)			X		
Other TESC Measures: _____			X		
Site Conditions					
Equipment	X				
Signage	X				
Restricted Area Fence	X				
Stockpile	X				
Other Site Conditions: _____			X		
Environmental Protection Measures					
Noise Prevention	X				
Dust Prevention	X				
Diesel Exhaust	X				
Prevention of Off-site Tracking of Sediment	X				
Fuel Storage and Fuel Transfers			X		
Fertilizer Application			X		
Other Environmental Protection Measures: _____			X		
Health and Safety					
	YES	NO	SEE ENVIROCON REPORT	SEE BELOW	
Safety Tailgate Meeting	X				
Accidents		X			
Illnesses		X			
Near-miss Incidents		X			
Corrective Action		X			
Other Safety and Health Issues: _____		X			
Day's Activities:					
Water truck needs to be serviced; replacement truck not delivered on time and most of staff sent home early. Set slope stakes from 6+00 to 4+00 based on new measurements to minimize excess cut.					

BY

REVIEWED BY

Douglas Urquhart

ASH CREEK ASSOCIATES REPRESENTATIVE

H. Clough

ASH CREEK ASSOCIATES PROJECT MANAGER

DAILY CONSTRUCTION & CQC REPORT

T4 Wheeler Bay Stabilization - PROJECT #1473800



Weather:		Report Information:	
Max Temp: <u> 78 </u>	Site Conditions: <u>dry</u>	Date: <u>9/8/2008</u>	
Min Temp: <u> 60 </u>	Winds: <u>light</u>	Week Day: <u>Monday</u>	
	Precipitation: <u>none</u>	Shift: <u>7AM-4:30PM</u>	

Report Prepared By:

Personnel	WBS Task	Hours	Start	Finish	Equip	No.	Run	Stdb	WBS Task Code	Comments
WES JENSEN	301	10.5	7AM	4:30PM	HM300 ARTIC	Modern	0		301	
RICK MARTIN	301	10.5	7AM	4:30PM	JD450 DOZER	United	0		301	
MIKE MCCOY	301	10.5	7AM	2PM	PC200 EXC.	3366	0			
MATTHEW PATCHING	301	10.5	7AM	2PM	WATER TRUCK	United	0			Disabled
SKIP SIMPSON					JD310 BACKHOE	1196				
SUZANNE STARKEY					JD544J Loader	United	0			

DESCRIPTION OF WORK (detail below):

Disabled water truck precluded earthwork activity. Housekeeping and slope staking accomplished.

Replacement water truck on site ~3:30 PM

Repaired silt fence as needed. Survey and grade checking as needed.

Dust control provided by water truck.

DOWNTIME OR DELAYS:

Disabled water truck precluded earthwork activity.

MATERIAL PLACED:

MATERIAL	STA (START)		STA (STOP)		QTY.	QTY. TO DATE	APPROVED SOURCE	TECHNICAL SPECIFICATION NO.
	STA	OFFSET	STA	OFFSET				
Demarcation Layer								Addendum No. 1 312000-4
Select Fill								312000-3 (2.3)
Armor Type 3								312000-3 (2.5)
Habitat Cover								312000-3 (2.6)
Topsoil								329119-2 (2.5)
Coir Fabric								329119-2 (2.2)
Jute Matting								329119-2 (2.1)
Mulch								329300-4 (2.2)
Habitat Logs								353200-3 (3.3)
Shrubs & Plantings								329300
Hydroseeding								329219
Geotextile fabric								

COMMENTS (Material Delivered-Removed/Qty.):

? tons Armor Type 3.

DAILY INSPECTION LOG:

TYPE	TECHNICAL SPECIFICATION NO.	LOCATION / NATURE OF DEFECT	CORRECTIVE ACTION TAKEN OR PROPOSED	COMMENTS
TESC				
Signage				
Restricted Area Fence				

SAFETY STATUS:

Accidents (if any):	
Illnesses (if any):	
Near-miss Incidents (if any):	
Corrective Action (if any):	
Other:	

Signature Verifying Above:

Skip Simpson

"Model Number", "DataRAM 4 ", 106
 "Serial no.", "D630"
 "Device no.", 1
 "Tag Number", 16
 "Start Time", 00: 00: 00
 "Start Date", 25-Jan-2000
 "Log Period", 00: 01: 00
 "Number", 559
 "Cal Factor", 1. 000000
 "Unit", 0
 "Unit Name", "(MASS)ug/m3"
 "SI ZE_CORRECT", "DI SABLED"
 "TEMPUNITS", C
 "Max MASS", 58. 053840
 "Max MASS @", 1 , 00: 01: 00 , 25-Jan-2000
 "Avg MASS", 12. 073570
 "Max Di am", 4. 127007
 "Max Di am @", 247 , 04: 07: 00 , 25-Jan-2000
 "Avg Di am", 1. 604041
 "ALARM", "DI SABLED"
 "ALARM_LEVEL", 0. 0
 "AUTO_ZERO", "DI SABLED"
 "AZ INTERVAL", 10
 "Errors", 0000

record,	"(MASS)ug/m3"	Temp,	RHumi di ty,	Di ameter	
1,	58. 1,	19. 9,	37,	0. 4572	, 00: 01: 00 , 25-Jan-2000
2,	19. 1,	19. 9,	38,	2. 1660	, 00: 02: 00 , 25-Jan-2000
3,	23. 4,	19. 8,	39,	1. 9205	, 00: 03: 00 , 25-Jan-2000
4,	29. 5,	19. 7,	40,	1. 8415	, 00: 04: 00 , 25-Jan-2000
5,	36. 0,	19. 7,	41,	2. 8852	, 00: 05: 00 , 25-Jan-2000
6,	28. 0,	19. 6,	41,	3. 1740	, 00: 06: 00 , 25-Jan-2000
7,	35. 2,	19. 6,	42,	2. 9806	, 00: 07: 00 , 25-Jan-2000
8,	35. 7,	19. 5,	43,	1. 7999	, 00: 08: 00 , 25-Jan-2000
9,	32. 3,	19. 4,	43,	2. 1438	, 00: 09: 00 , 25-Jan-2000
10,	31. 6,	19. 3,	43,	1. 1375	, 00: 10: 00 , 25-Jan-2000
11,	28. 0,	19. 2,	44,	1. 0267	, 00: 11: 00 , 25-Jan-2000
12,	34. 0,	19. 1,	44,	1. 3727	, 00: 12: 00 , 25-Jan-2000
13,	37. 8,	19. 1,	45,	1. 9055	, 00: 13: 00 , 25-Jan-2000
14,	39. 5,	19. 0,	45,	1. 6350	, 00: 14: 00 , 25-Jan-2000
15,	32. 1,	18. 9,	46,	2. 5854	, 00: 15: 00 , 25-Jan-2000
16,	29. 5,	18. 8,	46,	1. 1677	, 00: 16: 00 , 25-Jan-2000
17,	34. 0,	18. 7,	46,	1. 6295	, 00: 17: 00 , 25-Jan-2000
18,	36. 0,	18. 6,	47,	2. 9009	, 00: 18: 00 , 25-Jan-2000
19,	29. 4,	18. 5,	47,	1. 5326	, 00: 19: 00 , 25-Jan-2000
20,	17. 6,	18. 5,	48,	1. 1774	, 00: 20: 00 , 25-Jan-2000
21,	12. 7,	18. 4,	48,	0. 6925	, 00: 21: 00 , 25-Jan-2000
22,	20. 3,	18. 3,	48,	1. 0515	, 00: 22: 00 , 25-Jan-2000
23,	26. 3,	18. 2,	49,	1. 1817	, 00: 23: 00 , 25-Jan-2000
24,	34. 7,	18. 2,	49,	2. 0612	, 00: 24: 00 , 25-Jan-2000
25,	26. 9,	18. 1,	49,	2. 1035	, 00: 25: 00 , 25-Jan-2000
26,	23. 9,	18. 1,	50,	1. 8142	, 00: 26: 00 , 25-Jan-2000
27,	16. 7,	18. 0,	50,	1. 0656	, 00: 27: 00 , 25-Jan-2000
28,	15. 0,	17. 9,	50,	1. 8995	, 00: 28: 00 , 25-Jan-2000
29,	16. 5,	17. 9,	51,	0. 8818	, 00: 29: 00 , 25-Jan-2000
30,	16. 2,	17. 8,	51,	1. 4491	, 00: 30: 00 , 25-Jan-2000
31,	17. 3,	17. 7,	51,	1. 6847	, 00: 31: 00 , 25-Jan-2000
32,	22. 8,	17. 7,	52,	2. 2291	, 00: 32: 00 , 25-Jan-2000
33,	21. 9,	17. 7,	52,	1. 2326	, 00: 33: 00 , 25-Jan-2000
34,	16. 8,	17. 6,	52,	0. 8419	, 00: 34: 00 , 25-Jan-2000
35,	13. 6,	17. 6,	53,	0. 7340	, 00: 35: 00 , 25-Jan-2000
36,	18. 4,	17. 6,	53,	1. 4266	, 00: 36: 00 , 25-Jan-2000
37,	15. 0,	17. 5,	53,	1. 8304	, 00: 37: 00 , 25-Jan-2000
38,	20. 6,	17. 6,	53,	2. 0983	, 00: 38: 00 , 25-Jan-2000

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39,	25. 2,	17. 5,	53,	3. 2045	, 00: 39: 00	, 25-Jan-2000
40,	16. 8,	17. 5,	54,	1. 6624	, 00: 40: 00	, 25-Jan-2000
41,	10. 9,	17. 4,	54,	0. 7881	, 00: 41: 00	, 25-Jan-2000
42,	8. 1,	17. 4,	54,	0. 6296	, 00: 42: 00	, 25-Jan-2000
43,	8. 0,	17. 4,	54,	0. 4833	, 00: 43: 00	, 25-Jan-2000
44,	7. 7,	17. 4,	54,	0. 4808	, 00: 44: 00	, 25-Jan-2000
45,	8. 0,	17. 4,	54,	0. 5271	, 00: 45: 00	, 25-Jan-2000
46,	7. 8,	17. 3,	55,	0. 6346	, 00: 46: 00	, 25-Jan-2000
47,	8. 9,	17. 3,	55,	1. 6329	, 00: 47: 00	, 25-Jan-2000
48,	9. 3,	17. 3,	55,	0. 7903	, 00: 48: 00	, 25-Jan-2000
49,	10. 5,	17. 3,	55,	1. 1671	, 00: 49: 00	, 25-Jan-2000
50,	10. 3,	17. 2,	55,	1. 8656	, 00: 50: 00	, 25-Jan-2000
51,	11. 5,	17. 2,	55,	1. 2004	, 00: 51: 00	, 25-Jan-2000
52,	12. 3,	17. 2,	56,	1. 3832	, 00: 52: 00	, 25-Jan-2000
53,	14. 9,	17. 2,	56,	1. 2705	, 00: 53: 00	, 25-Jan-2000
54,	18. 6,	17. 1,	56,	0. 8260	, 00: 54: 00	, 25-Jan-2000
55,	23. 0,	17. 1,	56,	0. 9638	, 00: 55: 00	, 25-Jan-2000
56,	29. 1,	17. 1,	56,	0. 9883	, 00: 56: 00	, 25-Jan-2000
57,	27. 2,	17. 1,	56,	1. 4275	, 00: 57: 00	, 25-Jan-2000
58,	29. 5,	17. 1,	57,	1. 3246	, 00: 58: 00	, 25-Jan-2000
59,	22. 9,	17. 1,	57,	1. 2702	, 00: 59: 00	, 25-Jan-2000
60,	14. 6,	17. 2,	57,	1. 2444	, 01: 00: 00	, 25-Jan-2000
61,	12. 1,	17. 2,	57,	0. 7263	, 01: 01: 00	, 25-Jan-2000
62,	14. 0,	17. 2,	57,	0. 6099	, 01: 02: 00	, 25-Jan-2000
63,	14. 3,	17. 2,	57,	0. 5828	, 01: 03: 00	, 25-Jan-2000
64,	14. 8,	17. 2,	57,	0. 7166	, 01: 04: 00	, 25-Jan-2000
65,	15. 7,	17. 2,	57,	0. 6386	, 01: 05: 00	, 25-Jan-2000
66,	13. 2,	17. 2,	57,	1. 2898	, 01: 06: 00	, 25-Jan-2000
67,	10. 0,	17. 2,	57,	0. 6061	, 01: 07: 00	, 25-Jan-2000
68,	7. 0,	17. 2,	57,	0. 5800	, 01: 08: 00	, 25-Jan-2000
69,	7. 6,	17. 2,	57,	0. 8003	, 01: 09: 00	, 25-Jan-2000
70,	10. 2,	17. 2,	57,	0. 7154	, 01: 10: 00	, 25-Jan-2000
71,	15. 2,	17. 2,	57,	1. 0670	, 01: 11: 00	, 25-Jan-2000
72,	22. 1,	17. 2,	57,	1. 0018	, 01: 12: 00	, 25-Jan-2000
73,	19. 4,	17. 2,	57,	0. 6310	, 01: 13: 00	, 25-Jan-2000
74,	24. 9,	17. 2,	58,	0. 8869	, 01: 14: 00	, 25-Jan-2000
75,	18. 2,	17. 2,	57,	1. 0179	, 01: 15: 00	, 25-Jan-2000
76,	22. 2,	17. 2,	58,	1. 6363	, 01: 16: 00	, 25-Jan-2000
77,	16. 2,	17. 3,	58,	0. 6763	, 01: 17: 00	, 25-Jan-2000
78,	46. 0,	17. 3,	58,	0. 4462	, 01: 18: 00	, 25-Jan-2000
79,	38. 3,	17. 3,	58,	0. 5593	, 01: 19: 00	, 25-Jan-2000
80,	38. 3,	17. 3,	58,	0. 6073	, 01: 20: 00	, 25-Jan-2000
81,	22. 3,	17. 3,	58,	0. 5973	, 01: 21: 00	, 25-Jan-2000
82,	29. 8,	17. 3,	58,	0. 6527	, 01: 22: 00	, 25-Jan-2000
83,	34. 6,	17. 3,	58,	1. 1201	, 01: 23: 00	, 25-Jan-2000
84,	41. 7,	17. 3,	58,	0. 7923	, 01: 24: 00	, 25-Jan-2000
85,	26. 5,	17. 4,	58,	0. 9112	, 01: 25: 00	, 25-Jan-2000
86,	27. 3,	17. 4,	58,	1. 3402	, 01: 26: 00	, 25-Jan-2000
87,	32. 7,	17. 4,	58,	2. 1727	, 01: 27: 00	, 25-Jan-2000
88,	20. 3,	17. 4,	58,	2. 1781	, 01: 28: 00	, 25-Jan-2000
89,	12. 8,	17. 4,	58,	1. 5711	, 01: 29: 00	, 25-Jan-2000
90,	12. 1,	17. 4,	58,	1. 8090	, 01: 30: 00	, 25-Jan-2000
91,	13. 1,	17. 4,	58,	2. 2589	, 01: 31: 00	, 25-Jan-2000
92,	21. 3,	17. 4,	58,	2. 0763	, 01: 32: 00	, 25-Jan-2000
93,	17. 5,	17. 4,	58,	1. 7668	, 01: 33: 00	, 25-Jan-2000
94,	16. 1,	17. 4,	58,	1. 3797	, 01: 34: 00	, 25-Jan-2000
95,	16. 0,	17. 5,	59,	2. 1297	, 01: 35: 00	, 25-Jan-2000
96,	18. 0,	17. 5,	58,	1. 5644	, 01: 36: 00	, 25-Jan-2000
97,	19. 0,	17. 5,	58,	1. 4314	, 01: 37: 00	, 25-Jan-2000
98,	22. 7,	17. 5,	59,	1. 7363	, 01: 38: 00	, 25-Jan-2000
99,	20. 3,	17. 5,	58,	1. 7079	, 01: 39: 00	, 25-Jan-2000
100,	16. 6,	17. 5,	59,	2. 1975	, 01: 40: 00	, 25-Jan-2000
101,	15. 3,	17. 5,	59,	1. 4613	, 01: 41: 00	, 25-Jan-2000

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102,	14. 5,	17. 5,	59,	1. 8177	, 01: 42: 00	, 25-Jan-2000
103,	16. 9,	17. 5,	59,	3. 9909	, 01: 43: 00	, 25-Jan-2000
104,	13. 6,	17. 6,	59,	3. 8495	, 01: 44: 00	, 25-Jan-2000
105,	7. 8,	17. 6,	58,	1. 5062	, 01: 45: 00	, 25-Jan-2000
106,	10. 0,	17. 6,	58,	1. 4382	, 01: 46: 00	, 25-Jan-2000
107,	9. 6,	17. 6,	59,	0. 8397	, 01: 47: 00	, 25-Jan-2000
108,	11. 4,	17. 6,	59,	1. 6576	, 01: 48: 00	, 25-Jan-2000
109,	10. 7,	17. 6,	59,	0. 9546	, 01: 49: 00	, 25-Jan-2000
110,	9. 4,	17. 6,	59,	1. 1577	, 01: 50: 00	, 25-Jan-2000
111,	8. 7,	17. 6,	59,	0. 8548	, 01: 51: 00	, 25-Jan-2000
112,	9. 3,	17. 6,	59,	0. 5984	, 01: 52: 00	, 25-Jan-2000
113,	8. 6,	17. 6,	59,	0. 8877	, 01: 53: 00	, 25-Jan-2000
114,	8. 6,	17. 6,	59,	0. 6359	, 01: 54: 00	, 25-Jan-2000
115,	9. 8,	17. 7,	59,	0. 7888	, 01: 55: 00	, 25-Jan-2000
116,	7. 6,	17. 7,	59,	0. 7393	, 01: 56: 00	, 25-Jan-2000
117,	7. 4,	17. 7,	59,	0. 4671	, 01: 57: 00	, 25-Jan-2000
118,	7. 4,	17. 7,	59,	0. 4777	, 01: 58: 00	, 25-Jan-2000
119,	18. 2,	17. 7,	59,	0. 7924	, 01: 59: 00	, 25-Jan-2000
120,	11. 9,	17. 7,	59,	1. 5851	, 02: 00: 00	, 25-Jan-2000
121,	9. 1,	17. 7,	59,	1. 3638	, 02: 01: 00	, 25-Jan-2000
122,	8. 0,	17. 7,	59,	0. 5830	, 02: 02: 00	, 25-Jan-2000
123,	11. 1,	17. 7,	59,	1. 5202	, 02: 03: 00	, 25-Jan-2000
124,	7. 8,	17. 7,	59,	0. 5618	, 02: 04: 00	, 25-Jan-2000
125,	6. 9,	17. 7,	59,	0. 7730	, 02: 05: 00	, 25-Jan-2000
126,	7. 0,	17. 7,	59,	0. 7465	, 02: 06: 00	, 25-Jan-2000
127,	6. 7,	17. 7,	59,	0. 9649	, 02: 07: 00	, 25-Jan-2000
128,	7. 1,	17. 7,	59,	0. 7233	, 02: 08: 00	, 25-Jan-2000
129,	22. 0,	17. 7,	59,	1. 1954	, 02: 09: 00	, 25-Jan-2000
130,	11. 8,	17. 7,	59,	1. 2883	, 02: 10: 00	, 25-Jan-2000
131,	8. 0,	17. 8,	59,	1. 8921	, 02: 11: 00	, 25-Jan-2000
132,	7. 5,	17. 8,	59,	0. 6105	, 02: 12: 00	, 25-Jan-2000
133,	9. 3,	17. 8,	59,	0. 5841	, 02: 13: 00	, 25-Jan-2000
134,	7. 4,	17. 8,	59,	0. 6463	, 02: 14: 00	, 25-Jan-2000
135,	6. 9,	17. 8,	59,	0. 7659	, 02: 15: 00	, 25-Jan-2000
136,	7. 6,	17. 8,	59,	2. 0794	, 02: 16: 00	, 25-Jan-2000
137,	10. 3,	17. 8,	59,	2. 1108	, 02: 17: 00	, 25-Jan-2000
138,	8. 4,	17. 9,	59,	1. 0670	, 02: 18: 00	, 25-Jan-2000
139,	7. 7,	17. 8,	59,	0. 9642	, 02: 19: 00	, 25-Jan-2000
140,	8. 6,	17. 9,	59,	1. 6813	, 02: 20: 00	, 25-Jan-2000
141,	9. 0,	17. 9,	59,	0. 8984	, 02: 21: 00	, 25-Jan-2000
142,	10. 7,	17. 9,	59,	3. 3116	, 02: 22: 00	, 25-Jan-2000
143,	7. 5,	17. 9,	59,	0. 9643	, 02: 23: 00	, 25-Jan-2000
144,	8. 0,	17. 9,	59,	0. 6787	, 02: 24: 00	, 25-Jan-2000
145,	7. 7,	17. 9,	59,	1. 8421	, 02: 25: 00	, 25-Jan-2000
146,	5. 6,	18. 0,	59,	0. 4973	, 02: 26: 00	, 25-Jan-2000
147,	7. 1,	18. 0,	59,	0. 6698	, 02: 27: 00	, 25-Jan-2000
148,	8. 2,	18. 0,	59,	2. 4045	, 02: 28: 00	, 25-Jan-2000
149,	8. 2,	18. 0,	59,	0. 8171	, 02: 29: 00	, 25-Jan-2000
150,	6. 3,	18. 0,	60,	0. 6728	, 02: 30: 00	, 25-Jan-2000
151,	7. 6,	18. 0,	60,	0. 3956	, 02: 31: 00	, 25-Jan-2000
152,	6. 1,	18. 1,	60,	0. 5060	, 02: 32: 00	, 25-Jan-2000
153,	7. 2,	18. 1,	59,	0. 6023	, 02: 33: 00	, 25-Jan-2000
154,	7. 3,	18. 1,	59,	0. 7384	, 02: 34: 00	, 25-Jan-2000
155,	9. 4,	18. 1,	60,	2. 0128	, 02: 35: 00	, 25-Jan-2000
156,	9. 1,	18. 1,	60,	1. 3500	, 02: 36: 00	, 25-Jan-2000
157,	10. 1,	18. 2,	59,	1. 3101	, 02: 37: 00	, 25-Jan-2000
158,	9. 3,	18. 2,	60,	0. 9187	, 02: 38: 00	, 25-Jan-2000
159,	8. 6,	18. 2,	60,	0. 9546	, 02: 39: 00	, 25-Jan-2000
160,	7. 4,	18. 2,	60,	0. 7899	, 02: 40: 00	, 25-Jan-2000
161,	6. 7,	18. 2,	60,	0. 5528	, 02: 41: 00	, 25-Jan-2000
162,	6. 5,	18. 3,	60,	0. 6867	, 02: 42: 00	, 25-Jan-2000
163,	4. 5,	18. 3,	60,	0. 4355	, 02: 43: 00	, 25-Jan-2000
164,	6. 5,	18. 3,	60,	0. 6836	, 02: 44: 00	, 25-Jan-2000

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165,	12. 7,	18. 4,	59,	0. 7512	, 02: 45: 00	, 25-Jan-2000
166,	25. 3,	18. 4,	60,	1. 4774	, 02: 46: 00	, 25-Jan-2000
167,	12. 5,	18. 5,	60,	2. 3346	, 02: 47: 00	, 25-Jan-2000
168,	9. 4,	18. 5,	59,	1. 8686	, 02: 48: 00	, 25-Jan-2000
169,	6. 9,	18. 5,	60,	1. 1697	, 02: 49: 00	, 25-Jan-2000
170,	6. 2,	18. 6,	60,	0. 8914	, 02: 50: 00	, 25-Jan-2000
171,	7. 1,	18. 6,	60,	1. 3096	, 02: 51: 00	, 25-Jan-2000
172,	8. 2,	18. 6,	60,	1. 9281	, 02: 52: 00	, 25-Jan-2000
173,	9. 2,	18. 7,	60,	2. 9305	, 02: 53: 00	, 25-Jan-2000
174,	20. 8,	18. 7,	60,	3. 9643	, 02: 54: 00	, 25-Jan-2000
175,	20. 0,	18. 7,	60,	3. 2071	, 02: 55: 00	, 25-Jan-2000
176,	12. 2,	18. 8,	59,	2. 6139	, 02: 56: 00	, 25-Jan-2000
177,	13. 0,	18. 9,	59,	1. 9364	, 02: 57: 00	, 25-Jan-2000
178,	16. 8,	18. 9,	58,	2. 8824	, 02: 58: 00	, 25-Jan-2000
179,	18. 1,	19. 0,	58,	1. 2446	, 02: 59: 00	, 25-Jan-2000
180,	26. 9,	19. 0,	58,	1. 6506	, 03: 00: 00	, 25-Jan-2000
181,	18. 6,	19. 1,	57,	2. 6170	, 03: 01: 00	, 25-Jan-2000
182,	20. 5,	19. 1,	57,	1. 9800	, 03: 02: 00	, 25-Jan-2000
183,	11. 5,	19. 2,	57,	0. 5435	, 03: 03: 00	, 25-Jan-2000
184,	16. 5,	19. 3,	56,	0. 6260	, 03: 04: 00	, 25-Jan-2000
185,	14. 8,	19. 3,	56,	0. 8901	, 03: 05: 00	, 25-Jan-2000
186,	22. 1,	19. 4,	56,	2. 1880	, 03: 06: 00	, 25-Jan-2000
187,	22. 6,	19. 5,	56,	3. 3926	, 03: 07: 00	, 25-Jan-2000
188,	30. 6,	19. 5,	56,	1. 7550	, 03: 08: 00	, 25-Jan-2000
189,	45. 4,	19. 6,	55,	1. 1780	, 03: 09: 00	, 25-Jan-2000
190,	48. 3,	19. 6,	55,	1. 2830	, 03: 10: 00	, 25-Jan-2000
191,	38. 4,	19. 7,	55,	1. 1592	, 03: 11: 00	, 25-Jan-2000
192,	21. 7,	19. 7,	55,	2. 4125	, 03: 12: 00	, 25-Jan-2000
193,	22. 4,	19. 8,	55,	3. 0107	, 03: 13: 00	, 25-Jan-2000
194,	23. 9,	19. 9,	54,	1. 5748	, 03: 14: 00	, 25-Jan-2000
195,	19. 0,	20. 0,	54,	1. 4867	, 03: 15: 00	, 25-Jan-2000
196,	21. 8,	20. 0,	54,	1. 5481	, 03: 16: 00	, 25-Jan-2000
197,	56. 5,	20. 0,	54,	2. 1613	, 03: 17: 00	, 25-Jan-2000
198,	51. 3,	20. 1,	54,	2. 6156	, 03: 18: 00	, 25-Jan-2000
199,	35. 5,	20. 2,	53,	2. 1041	, 03: 19: 00	, 25-Jan-2000
200,	50. 5,	20. 2,	53,	1. 8982	, 03: 20: 00	, 25-Jan-2000
201,	36. 0,	20. 3,	53,	2. 5471	, 03: 21: 00	, 25-Jan-2000
202,	35. 4,	20. 4,	53,	4. 0295	, 03: 22: 00	, 25-Jan-2000
203,	24. 4,	20. 4,	53,	4. 0885	, 03: 23: 00	, 25-Jan-2000
204,	17. 8,	20. 5,	53,	3. 2232	, 03: 24: 00	, 25-Jan-2000
205,	17. 1,	20. 5,	52,	3. 7162	, 03: 25: 00	, 25-Jan-2000
206,	20. 0,	20. 6,	52,	4. 0010	, 03: 26: 00	, 25-Jan-2000
207,	17. 4,	20. 6,	52,	2. 4954	, 03: 27: 00	, 25-Jan-2000
208,	24. 0,	20. 6,	52,	3. 7607	, 03: 28: 00	, 25-Jan-2000
209,	10. 9,	20. 7,	51,	1. 8653	, 03: 29: 00	, 25-Jan-2000
210,	13. 6,	20. 8,	51,	2. 0224	, 03: 30: 00	, 25-Jan-2000
211,	29. 5,	20. 8,	51,	2. 0113	, 03: 31: 00	, 25-Jan-2000
212,	22. 8,	20. 9,	51,	0. 8650	, 03: 32: 00	, 25-Jan-2000
213,	17. 5,	20. 9,	51,	2. 1336	, 03: 33: 00	, 25-Jan-2000
214,	20. 9,	21. 0,	50,	2. 6807	, 03: 34: 00	, 25-Jan-2000
215,	14. 2,	21. 1,	50,	0. 9938	, 03: 35: 00	, 25-Jan-2000
216,	11. 6,	21. 1,	50,	1. 1120	, 03: 36: 00	, 25-Jan-2000
217,	20. 2,	21. 1,	50,	1. 0881	, 03: 37: 00	, 25-Jan-2000
218,	9. 7,	21. 2,	50,	0. 9106	, 03: 38: 00	, 25-Jan-2000
219,	6. 9,	21. 2,	50,	0. 8100	, 03: 39: 00	, 25-Jan-2000
220,	8. 3,	21. 3,	49,	0. 8616	, 03: 40: 00	, 25-Jan-2000
221,	20. 5,	21. 3,	49,	1. 4630	, 03: 41: 00	, 25-Jan-2000
222,	18. 4,	21. 4,	49,	0. 9783	, 03: 42: 00	, 25-Jan-2000
223,	34. 3,	21. 4,	49,	1. 2564	, 03: 43: 00	, 25-Jan-2000
224,	44. 1,	21. 5,	49,	2. 6970	, 03: 44: 00	, 25-Jan-2000
225,	47. 9,	21. 5,	48,	3. 0234	, 03: 45: 00	, 25-Jan-2000
226,	28. 4,	21. 6,	48,	2. 7693	, 03: 46: 00	, 25-Jan-2000
227,	24. 8,	21. 6,	48,	3. 1684	, 03: 47: 00	, 25-Jan-2000

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228,	19. 4,	21. 7,	47,	4. 0003	, 03: 48: 00	, 25-Jan-2000
229,	19. 7,	21. 7,	47,	4. 0571	, 03: 49: 00	, 25-Jan-2000
230,	27. 6,	21. 7,	47,	3. 3914	, 03: 50: 00	, 25-Jan-2000
231,	26. 8,	21. 8,	47,	3. 2556	, 03: 51: 00	, 25-Jan-2000
232,	35. 7,	21. 9,	47,	2. 3029	, 03: 52: 00	, 25-Jan-2000
233,	31. 1,	21. 9,	46,	4. 0347	, 03: 53: 00	, 25-Jan-2000
234,	17. 8,	22. 0,	47,	3. 6628	, 03: 54: 00	, 25-Jan-2000
235,	23. 3,	22. 0,	47,	4. 0930	, 03: 55: 00	, 25-Jan-2000
236,	17. 8,	22. 1,	47,	2. 4724	, 03: 56: 00	, 25-Jan-2000
237,	22. 7,	22. 1,	46,	1. 7226	, 03: 57: 00	, 25-Jan-2000
238,	11. 4,	22. 1,	46,	3. 0907	, 03: 58: 00	, 25-Jan-2000
239,	8. 5,	22. 2,	46,	3. 0780	, 03: 59: 00	, 25-Jan-2000
240,	4. 5,	22. 2,	46,	1. 0231	, 04: 00: 00	, 25-Jan-2000
241,	6. 5,	22. 3,	46,	1. 3672	, 04: 01: 00	, 25-Jan-2000
242,	11. 2,	22. 4,	46,	3. 6440	, 04: 02: 00	, 25-Jan-2000
243,	23. 6,	22. 4,	46,	3. 9749	, 04: 03: 00	, 25-Jan-2000
244,	15. 6,	22. 4,	46,	3. 8279	, 04: 04: 00	, 25-Jan-2000
245,	15. 8,	22. 5,	46,	3. 8644	, 04: 05: 00	, 25-Jan-2000
246,	18. 7,	22. 5,	46,	4. 0747	, 04: 06: 00	, 25-Jan-2000
247,	36. 5,	22. 6,	45,	4. 1270	, 04: 07: 00	, 25-Jan-2000
248,	21. 7,	22. 6,	45,	4. 1270	, 04: 08: 00	, 25-Jan-2000
249,	18. 7,	22. 6,	45,	3. 9841	, 04: 09: 00	, 25-Jan-2000
250,	14. 2,	22. 7,	45,	3. 8665	, 04: 10: 00	, 25-Jan-2000
251,	11. 3,	22. 7,	45,	3. 4205	, 04: 11: 00	, 25-Jan-2000
252,	10. 6,	22. 8,	45,	3. 6620	, 04: 12: 00	, 25-Jan-2000
253,	10. 2,	22. 8,	45,	3. 5494	, 04: 13: 00	, 25-Jan-2000
254,	9. 7,	22. 9,	45,	3. 1166	, 04: 14: 00	, 25-Jan-2000
255,	7. 7,	22. 9,	45,	1. 4969	, 04: 15: 00	, 25-Jan-2000
256,	10. 9,	23. 0,	45,	2. 3199	, 04: 16: 00	, 25-Jan-2000
257,	15. 2,	23. 0,	45,	2. 9087	, 04: 17: 00	, 25-Jan-2000
258,	13. 5,	23. 1,	44,	3. 7978	, 04: 18: 00	, 25-Jan-2000
259,	9. 7,	23. 1,	44,	3. 4108	, 04: 19: 00	, 25-Jan-2000
260,	6. 4,	23. 2,	44,	1. 5290	, 04: 20: 00	, 25-Jan-2000
261,	8. 0,	23. 2,	44,	1. 0694	, 04: 21: 00	, 25-Jan-2000
262,	11. 3,	23. 2,	44,	2. 4430	, 04: 22: 00	, 25-Jan-2000
263,	7. 5,	23. 3,	43,	2. 4097	, 04: 23: 00	, 25-Jan-2000
264,	8. 1,	23. 4,	43,	0. 6662	, 04: 24: 00	, 25-Jan-2000
265,	14. 7,	23. 4,	43,	1. 8109	, 04: 25: 00	, 25-Jan-2000
266,	11. 5,	23. 5,	43,	1. 0476	, 04: 26: 00	, 25-Jan-2000
267,	3. 2,	23. 5,	43,	0. 4339	, 04: 27: 00	, 25-Jan-2000
268,	6. 8,	23. 5,	43,	0. 8478	, 04: 28: 00	, 25-Jan-2000
269,	10. 4,	23. 6,	43,	2. 1106	, 04: 29: 00	, 25-Jan-2000
270,	8. 1,	23. 6,	43,	2. 5956	, 04: 30: 00	, 25-Jan-2000
271,	4. 0,	23. 7,	42,	0. 5948	, 04: 31: 00	, 25-Jan-2000
272,	7. 1,	23. 7,	42,	2. 2798	, 04: 32: 00	, 25-Jan-2000
273,	4. 2,	23. 8,	42,	1. 0515	, 04: 33: 00	, 25-Jan-2000
274,	2. 2,	23. 8,	42,	0. 4150	, 04: 34: 00	, 25-Jan-2000
275,	2. 7,	23. 8,	42,	0. 3702	, 04: 35: 00	, 25-Jan-2000
276,	6. 6,	23. 9,	42,	0. 4423	, 04: 36: 00	, 25-Jan-2000
277,	3. 7,	23. 9,	42,	0. 8692	, 04: 37: 00	, 25-Jan-2000
278,	4. 1,	23. 9,	42,	0. 4914	, 04: 38: 00	, 25-Jan-2000
279,	2. 7,	24. 0,	42,	0. 4586	, 04: 39: 00	, 25-Jan-2000
280,	10. 9,	24. 0,	42,	1. 4551	, 04: 40: 00	, 25-Jan-2000
281,	9. 2,	24. 0,	42,	1. 4124	, 04: 41: 00	, 25-Jan-2000
282,	4. 4,	24. 0,	41,	0. 5273	, 04: 42: 00	, 25-Jan-2000
283,	5. 3,	24. 1,	41,	1. 1027	, 04: 43: 00	, 25-Jan-2000
284,	2. 6,	24. 1,	41,	0. 3770	, 04: 44: 00	, 25-Jan-2000
285,	5. 3,	24. 1,	41,	0. 3521	, 04: 45: 00	, 25-Jan-2000
286,	1. 3,	24. 2,	41,	0. 3425	, 04: 46: 00	, 25-Jan-2000
287,	2. 6,	24. 2,	41,	0. 3398	, 04: 47: 00	, 25-Jan-2000
288,	2. 3,	24. 2,	41,	0. 3790	, 04: 48: 00	, 25-Jan-2000
289,	2. 3,	24. 3,	41,	0. 3796	, 04: 49: 00	, 25-Jan-2000
290,	5. 6,	24. 3,	41,	0. 6351	, 04: 50: 00	, 25-Jan-2000

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291,	2. 9,	24. 3,	41,	0. 4305	, 04: 51: 00	, 25-Jan-2000
292,	3. 8,	24. 4,	41,	0. 4773	, 04: 52: 00	, 25-Jan-2000
293,	1. 9,	24. 4,	41,	0. 4311	, 04: 53: 00	, 25-Jan-2000
294,	3. 6,	24. 5,	41,	0. 3774	, 04: 54: 00	, 25-Jan-2000
295,	4. 4,	24. 5,	41,	0. 4839	, 04: 55: 00	, 25-Jan-2000
296,	2. 5,	24. 5,	41,	0. 3676	, 04: 56: 00	, 25-Jan-2000
297,	3. 3,	24. 6,	41,	0. 4553	, 04: 57: 00	, 25-Jan-2000
298,	1. 7,	24. 6,	41,	0. 4361	, 04: 58: 00	, 25-Jan-2000
299,	3. 0,	24. 6,	41,	0. 4918	, 04: 59: 00	, 25-Jan-2000
300,	2. 7,	24. 7,	41,	0. 4020	, 05: 00: 00	, 25-Jan-2000
301,	1. 5,	24. 7,	41,	0. 3363	, 05: 01: 00	, 25-Jan-2000
302,	2. 3,	24. 8,	41,	0. 3405	, 05: 02: 00	, 25-Jan-2000
303,	2. 6,	24. 8,	41,	0. 3757	, 05: 03: 00	, 25-Jan-2000
304,	2. 6,	24. 8,	41,	0. 3380	, 05: 04: 00	, 25-Jan-2000
305,	2. 3,	24. 9,	41,	0. 3839	, 05: 05: 00	, 25-Jan-2000
306,	3. 3,	24. 9,	41,	0. 4205	, 05: 06: 00	, 25-Jan-2000
307,	2. 7,	25. 0,	41,	0. 3608	, 05: 07: 00	, 25-Jan-2000
308,	5. 8,	25. 0,	41,	0. 8399	, 05: 08: 00	, 25-Jan-2000
309,	2. 3,	25. 1,	40,	0. 4621	, 05: 09: 00	, 25-Jan-2000
310,	3. 3,	25. 1,	40,	0. 3822	, 05: 10: 00	, 25-Jan-2000
311,	1. 7,	25. 2,	40,	0. 3811	, 05: 11: 00	, 25-Jan-2000
312,	2. 7,	25. 2,	41,	0. 3498	, 05: 12: 00	, 25-Jan-2000
313,	0. 8,	25. 3,	41,	0. 3407	, 05: 13: 00	, 25-Jan-2000
314,	3. 4,	25. 4,	40,	0. 4323	, 05: 14: 00	, 25-Jan-2000
315,	1. 9,	25. 5,	41,	0. 3184	, 05: 15: 00	, 25-Jan-2000
316,	2. 5,	25. 5,	40,	0. 3072	, 05: 16: 00	, 25-Jan-2000
317,	2. 7,	25. 6,	40,	0. 3690	, 05: 17: 00	, 25-Jan-2000
318,	1. 1,	25. 6,	40,	0. 3511	, 05: 18: 00	, 25-Jan-2000
319,	3. 2,	25. 7,	40,	0. 4793	, 05: 19: 00	, 25-Jan-2000
320,	2. 0,	25. 8,	40,	0. 3422	, 05: 20: 00	, 25-Jan-2000
321,	2. 5,	25. 9,	39,	0. 3658	, 05: 21: 00	, 25-Jan-2000
322,	3. 1,	26. 0,	39,	0. 3377	, 05: 22: 00	, 25-Jan-2000
323,	2. 0,	26. 1,	39,	0. 3168	, 05: 23: 00	, 25-Jan-2000
324,	1. 3,	26. 1,	39,	0. 3461	, 05: 24: 00	, 25-Jan-2000
325,	2. 0,	26. 2,	39,	0. 3297	, 05: 25: 00	, 25-Jan-2000
326,	2. 9,	26. 3,	39,	0. 4050	, 05: 26: 00	, 25-Jan-2000
327,	1. 7,	26. 5,	38,	0. 3789	, 05: 27: 00	, 25-Jan-2000
328,	4. 2,	26. 5,	38,	0. 3529	, 05: 28: 00	, 25-Jan-2000
329,	2. 5,	26. 6,	38,	0. 3489	, 05: 29: 00	, 25-Jan-2000
330,	1. 8,	26. 7,	38,	0. 3385	, 05: 30: 00	, 25-Jan-2000
331,	1. 8,	26. 8,	37,	0. 3432	, 05: 31: 00	, 25-Jan-2000
332,	6. 2,	26. 9,	37,	1. 2860	, 05: 32: 00	, 25-Jan-2000
333,	9. 7,	27. 0,	37,	2. 5480	, 05: 33: 00	, 25-Jan-2000
334,	9. 7,	27. 1,	37,	3. 1118	, 05: 34: 00	, 25-Jan-2000
335,	8. 2,	27. 2,	36,	2. 4001	, 05: 35: 00	, 25-Jan-2000
336,	5. 7,	27. 3,	36,	0. 7123	, 05: 36: 00	, 25-Jan-2000
337,	6. 1,	27. 4,	36,	1. 0526	, 05: 37: 00	, 25-Jan-2000
338,	3. 2,	27. 5,	36,	0. 7902	, 05: 38: 00	, 25-Jan-2000
339,	1. 3,	27. 6,	35,	0. 5258	, 05: 39: 00	, 25-Jan-2000
340,	2. 3,	27. 6,	35,	0. 3927	, 05: 40: 00	, 25-Jan-2000
341,	6. 0,	27. 7,	35,	1. 1549	, 05: 41: 00	, 25-Jan-2000
342,	4. 8,	27. 8,	34,	0. 5784	, 05: 42: 00	, 25-Jan-2000
343,	2. 6,	27. 9,	34,	0. 3388	, 05: 43: 00	, 25-Jan-2000
344,	3. 4,	28. 0,	34,	0. 4352	, 05: 44: 00	, 25-Jan-2000
345,	1. 7,	28. 1,	34,	0. 3563	, 05: 45: 00	, 25-Jan-2000
346,	2. 2,	28. 2,	34,	0. 3597	, 05: 46: 00	, 25-Jan-2000
347,	3. 0,	28. 3,	34,	0. 3537	, 05: 47: 00	, 25-Jan-2000
348,	1. 4,	28. 3,	33,	0. 3666	, 05: 48: 00	, 25-Jan-2000
349,	3. 1,	28. 4,	34,	0. 4877	, 05: 49: 00	, 25-Jan-2000
350,	1. 2,	28. 5,	33,	0. 3695	, 05: 50: 00	, 25-Jan-2000
351,	2. 4,	28. 5,	33,	0. 3311	, 05: 51: 00	, 25-Jan-2000
352,	3. 0,	28. 6,	33,	0. 3925	, 05: 52: 00	, 25-Jan-2000
353,	1. 8,	28. 6,	33,	0. 3975	, 05: 53: 00	, 25-Jan-2000

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354,	1. 5,	28. 7,	32,	0. 4293	, 05: 54: 00	, 25-Jan-2000
355,	3. 4,	28. 7,	32,	1. 1396	, 05: 55: 00	, 25-Jan-2000
356,	1. 1,	28. 8,	32,	0. 5568	, 05: 56: 00	, 25-Jan-2000
357,	0. 9,	28. 9,	32,	0. 3676	, 05: 57: 00	, 25-Jan-2000
358,	1. 4,	29. 0,	32,	0. 3609	, 05: 58: 00	, 25-Jan-2000
359,	2. 4,	29. 0,	32,	0. 4180	, 05: 59: 00	, 25-Jan-2000
360,	3. 3,	29. 1,	32,	1. 0248	, 06: 00: 00	, 25-Jan-2000
361,	3. 5,	29. 1,	32,	0. 6061	, 06: 01: 00	, 25-Jan-2000
362,	1. 7,	29. 2,	32,	0. 3555	, 06: 02: 00	, 25-Jan-2000
363,	2. 3,	29. 3,	32,	0. 3185	, 06: 03: 00	, 25-Jan-2000
364,	2. 4,	29. 3,	31,	0. 3499	, 06: 04: 00	, 25-Jan-2000
365,	5. 3,	29. 4,	31,	0. 6662	, 06: 05: 00	, 25-Jan-2000
366,	6. 8,	29. 5,	31,	1. 6415	, 06: 06: 00	, 25-Jan-2000
367,	2. 2,	29. 5,	30,	0. 4543	, 06: 07: 00	, 25-Jan-2000
368,	2. 9,	29. 6,	30,	0. 4900	, 06: 08: 00	, 25-Jan-2000
369,	10. 1,	29. 6,	30,	2. 7153	, 06: 09: 00	, 25-Jan-2000
370,	13. 8,	29. 7,	30,	2. 7919	, 06: 10: 00	, 25-Jan-2000
371,	7. 3,	29. 8,	29,	1. 4658	, 06: 11: 00	, 25-Jan-2000
372,	8. 7,	29. 8,	29,	1. 4094	, 06: 12: 00	, 25-Jan-2000
373,	4. 5,	29. 9,	29,	1. 9082	, 06: 13: 00	, 25-Jan-2000
374,	7. 4,	30. 0,	28,	0. 8291	, 06: 14: 00	, 25-Jan-2000
375,	1. 3,	30. 0,	28,	0. 3795	, 06: 15: 00	, 25-Jan-2000
376,	7. 8,	30. 1,	28,	2. 4501	, 06: 16: 00	, 25-Jan-2000
377,	8. 6,	30. 2,	28,	2. 7369	, 06: 17: 00	, 25-Jan-2000
378,	4. 8,	30. 2,	28,	1. 5325	, 06: 18: 00	, 25-Jan-2000
379,	4. 2,	30. 3,	28,	0. 4882	, 06: 19: 00	, 25-Jan-2000
380,	5. 9,	30. 3,	27,	0. 6070	, 06: 20: 00	, 25-Jan-2000
381,	15. 6,	30. 4,	27,	0. 7935	, 06: 21: 00	, 25-Jan-2000
382,	48. 2,	30. 4,	27,	3. 0968	, 06: 22: 00	, 25-Jan-2000
383,	9. 3,	30. 5,	27,	2. 4389	, 06: 23: 00	, 25-Jan-2000
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385,	10. 8,	30. 6,	27,	3. 5548	, 06: 25: 00	, 25-Jan-2000
386,	12. 3,	30. 7,	26,	3. 5156	, 06: 26: 00	, 25-Jan-2000
387,	3. 2,	30. 8,	26,	1. 3031	, 06: 27: 00	, 25-Jan-2000
388,	5. 6,	30. 8,	26,	1. 1203	, 06: 28: 00	, 25-Jan-2000
389,	2. 9,	30. 9,	26,	1. 1417	, 06: 29: 00	, 25-Jan-2000
390,	1. 7,	30. 9,	25,	0. 3795	, 06: 30: 00	, 25-Jan-2000
391,	0. 5,	31. 0,	26,	0. 3458	, 06: 31: 00	, 25-Jan-2000
392,	2. 4,	31. 0,	25,	0. 3613	, 06: 32: 00	, 25-Jan-2000
393,	3. 3,	31. 1,	25,	0. 4022	, 06: 33: 00	, 25-Jan-2000
394,	9. 9,	31. 1,	25,	1. 6923	, 06: 34: 00	, 25-Jan-2000
395,	5. 4,	31. 2,	25,	1. 4902	, 06: 35: 00	, 25-Jan-2000
396,	7. 3,	31. 2,	25,	1. 8771	, 06: 36: 00	, 25-Jan-2000
397,	3. 1,	31. 3,	25,	0. 3956	, 06: 37: 00	, 25-Jan-2000
398,	1. 1,	31. 3,	24,	0. 3396	, 06: 38: 00	, 25-Jan-2000
399,	4. 2,	31. 4,	24,	0. 4352	, 06: 39: 00	, 25-Jan-2000
400,	5. 1,	31. 5,	24,	1. 1116	, 06: 40: 00	, 25-Jan-2000
401,	1. 7,	31. 5,	24,	0. 3618	, 06: 41: 00	, 25-Jan-2000
402,	2. 6,	31. 6,	24,	0. 3182	, 06: 42: 00	, 25-Jan-2000
403,	1. 1,	31. 6,	24,	0. 3265	, 06: 43: 00	, 25-Jan-2000
404,	2. 4,	31. 6,	24,	0. 3388	, 06: 44: 00	, 25-Jan-2000
405,	2. 0,	31. 7,	24,	0. 3428	, 06: 45: 00	, 25-Jan-2000
406,	3. 0,	31. 8,	24,	0. 3580	, 06: 46: 00	, 25-Jan-2000
407,	0. 7,	31. 8,	24,	0. 3414	, 06: 47: 00	, 25-Jan-2000
408,	1. 5,	31. 8,	24,	0. 3538	, 06: 48: 00	, 25-Jan-2000
409,	0. 6,	31. 8,	24,	0. 3391	, 06: 49: 00	, 25-Jan-2000
410,	2. 3,	31. 9,	24,	0. 3544	, 06: 50: 00	, 25-Jan-2000
411,	4. 2,	31. 9,	23,	0. 6946	, 06: 51: 00	, 25-Jan-2000
412,	7. 4,	32. 0,	23,	1. 5187	, 06: 52: 00	, 25-Jan-2000
413,	8. 2,	32. 0,	23,	2. 2391	, 06: 53: 00	, 25-Jan-2000
414,	8. 7,	32. 1,	23,	1. 7695	, 06: 54: 00	, 25-Jan-2000
415,	6. 4,	32. 2,	23,	1. 9425	, 06: 55: 00	, 25-Jan-2000
416,	6. 4,	32. 2,	22,	1. 0311	, 06: 56: 00	, 25-Jan-2000

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417,	5. 9,	32. 3,	22,	1. 3196	, 06: 57: 00	, 25-Jan-2000
418,	5. 8,	32. 4,	22,	0. 6289	, 06: 58: 00	, 25-Jan-2000
419,	7. 7,	32. 5,	22,	1. 2711	, 06: 59: 00	, 25-Jan-2000
420,	12. 0,	32. 6,	22,	3. 1921	, 07: 00: 00	, 25-Jan-2000
421,	15. 2,	32. 6,	22,	3. 7479	, 07: 01: 00	, 25-Jan-2000
422,	9. 6,	32. 7,	22,	3. 2397	, 07: 02: 00	, 25-Jan-2000
423,	7. 1,	32. 8,	22,	2. 6388	, 07: 03: 00	, 25-Jan-2000
424,	10. 4,	33. 0,	22,	2. 8800	, 07: 04: 00	, 25-Jan-2000
425,	8. 2,	33. 1,	22,	2. 1159	, 07: 05: 00	, 25-Jan-2000
426,	10. 6,	33. 1,	22,	3. 3467	, 07: 06: 00	, 25-Jan-2000
427,	7. 1,	33. 2,	21,	2. 2357	, 07: 07: 00	, 25-Jan-2000
428,	3. 4,	33. 3,	21,	0. 8739	, 07: 08: 00	, 25-Jan-2000
429,	4. 1,	33. 4,	21,	1. 3142	, 07: 09: 00	, 25-Jan-2000
430,	10. 5,	33. 5,	21,	3. 0205	, 07: 10: 00	, 25-Jan-2000
431,	8. 8,	33. 6,	20,	3. 2355	, 07: 11: 00	, 25-Jan-2000
432,	4. 5,	33. 6,	20,	1. 9401	, 07: 12: 00	, 25-Jan-2000
433,	6. 3,	33. 7,	20,	2. 0335	, 07: 13: 00	, 25-Jan-2000
434,	10. 4,	33. 7,	20,	2. 0885	, 07: 14: 00	, 25-Jan-2000
435,	9. 0,	33. 8,	20,	2. 2485	, 07: 15: 00	, 25-Jan-2000
436,	2. 9,	33. 9,	20,	0. 4415	, 07: 16: 00	, 25-Jan-2000
437,	3. 9,	34. 0,	20,	0. 4884	, 07: 17: 00	, 25-Jan-2000
438,	3. 1,	34. 0,	20,	0. 7552	, 07: 18: 00	, 25-Jan-2000
439,	4. 6,	34. 1,	20,	0. 5481	, 07: 19: 00	, 25-Jan-2000
440,	5. 4,	34. 2,	20,	2. 3205	, 07: 20: 00	, 25-Jan-2000
441,	12. 5,	34. 2,	20,	3. 5808	, 07: 21: 00	, 25-Jan-2000
442,	13. 0,	34. 2,	20,	3. 5763	, 07: 22: 00	, 25-Jan-2000
443,	11. 4,	34. 3,	20,	3. 5691	, 07: 23: 00	, 25-Jan-2000
444,	9. 3,	34. 3,	20,	3. 1917	, 07: 24: 00	, 25-Jan-2000
445,	7. 7,	34. 4,	20,	2. 4521	, 07: 25: 00	, 25-Jan-2000
446,	6. 1,	34. 4,	19,	2. 3707	, 07: 26: 00	, 25-Jan-2000
447,	14. 3,	34. 5,	19,	3. 9457	, 07: 27: 00	, 25-Jan-2000
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453,	5. 9,	34. 6,	19,	0. 6347	, 07: 33: 00	, 25-Jan-2000
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458,	2. 4,	34. 8,	18,	0. 6719	, 07: 38: 00	, 25-Jan-2000
459,	6. 5,	34. 8,	18,	1. 1002	, 07: 39: 00	, 25-Jan-2000
460,	4. 8,	34. 9,	18,	0. 6509	, 07: 40: 00	, 25-Jan-2000
461,	9. 8,	34. 9,	18,	1. 3082	, 07: 41: 00	, 25-Jan-2000
462,	11. 5,	35. 0,	18,	3. 7498	, 07: 42: 00	, 25-Jan-2000
463,	11. 9,	35. 0,	18,	3. 2021	, 07: 43: 00	, 25-Jan-2000
464,	12. 4,	35. 1,	18,	3. 3481	, 07: 44: 00	, 25-Jan-2000
465,	11. 0,	35. 1,	18,	3. 1665	, 07: 45: 00	, 25-Jan-2000
466,	1. 6,	35. 1,	18,	0. 5616	, 07: 46: 00	, 25-Jan-2000
467,	1. 0,	35. 1,	18,	0. 3693	, 07: 47: 00	, 25-Jan-2000
468,	2. 9,	35. 1,	18,	0. 3895	, 07: 48: 00	, 25-Jan-2000
469,	5. 3,	35. 1,	18,	0. 5120	, 07: 49: 00	, 25-Jan-2000
470,	2. 4,	35. 1,	19,	1. 1261	, 07: 50: 00	, 25-Jan-2000
471,	5. 9,	35. 1,	18,	1. 3169	, 07: 51: 00	, 25-Jan-2000
472,	2. 9,	35. 1,	18,	0. 4972	, 07: 52: 00	, 25-Jan-2000
473,	6. 2,	35. 1,	19,	1. 4067	, 07: 53: 00	, 25-Jan-2000
474,	8. 0,	35. 1,	18,	2. 3434	, 07: 54: 00	, 25-Jan-2000
475,	16. 3,	35. 1,	18,	3. 4971	, 07: 55: 00	, 25-Jan-2000
476,	25. 4,	35. 1,	18,	3. 6121	, 07: 56: 00	, 25-Jan-2000
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478,	2. 1,	35. 1,	18,	0. 3381	, 07: 58: 00	, 25-Jan-2000
479,	2. 2,	35. 0,	18,	0. 3250	, 07: 59: 00	, 25-Jan-2000

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480,	4. 9,	35. 0,	18,	0. 5754	, 08: 00: 00	, 25-Jan-2000
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485,	4. 4,	34. 8,	18,	0. 9884	, 08: 05: 00	, 25-Jan-2000
486,	13. 0,	34. 8,	18,	3. 3329	, 08: 06: 00	, 25-Jan-2000
487,	8. 4,	34. 8,	19,	2. 8263	, 08: 07: 00	, 25-Jan-2000
488,	6. 4,	34. 8,	18,	1. 2905	, 08: 08: 00	, 25-Jan-2000
489,	3. 3,	34. 8,	19,	0. 3623	, 08: 09: 00	, 25-Jan-2000
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494,	14. 0,	34. 7,	19,	3. 5709	, 08: 14: 00	, 25-Jan-2000
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496,	9. 3,	34. 7,	18,	3. 3805	, 08: 16: 00	, 25-Jan-2000
497,	18. 7,	34. 7,	18,	4. 0189	, 08: 17: 00	, 25-Jan-2000
498,	9. 2,	34. 7,	18,	3. 0579	, 08: 18: 00	, 25-Jan-2000
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500,	14. 8,	34. 7,	18,	3. 7088	, 08: 20: 00	, 25-Jan-2000
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502,	12. 6,	34. 8,	18,	2. 7410	, 08: 22: 00	, 25-Jan-2000
503,	10. 0,	34. 8,	18,	3. 0694	, 08: 23: 00	, 25-Jan-2000
504,	9. 7,	34. 7,	18,	3. 0173	, 08: 24: 00	, 25-Jan-2000
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506,	14. 6,	34. 8,	18,	3. 9215	, 08: 26: 00	, 25-Jan-2000
507,	11. 1,	34. 8,	18,	3. 3268	, 08: 27: 00	, 25-Jan-2000
508,	7. 0,	34. 9,	18,	2. 0780	, 08: 28: 00	, 25-Jan-2000
509,	10. 6,	34. 9,	18,	3. 2961	, 08: 29: 00	, 25-Jan-2000
510,	5. 7,	35. 0,	18,	2. 0573	, 08: 30: 00	, 25-Jan-2000
511,	9. 1,	35. 0,	18,	2. 8922	, 08: 31: 00	, 25-Jan-2000
512,	8. 2,	35. 0,	18,	2. 9345	, 08: 32: 00	, 25-Jan-2000
513,	3. 2,	35. 1,	18,	0. 7938	, 08: 33: 00	, 25-Jan-2000
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516,	3. 9,	35. 2,	18,	0. 5790	, 08: 36: 00	, 25-Jan-2000
517,	4. 8,	35. 3,	17,	0. 4826	, 08: 37: 00	, 25-Jan-2000
518,	11. 2,	35. 3,	17,	2. 6889	, 08: 38: 00	, 25-Jan-2000
519,	5. 4,	35. 3,	17,	1. 7955	, 08: 39: 00	, 25-Jan-2000
520,	10. 5,	35. 4,	17,	2. 1920	, 08: 40: 00	, 25-Jan-2000
521,	12. 6,	35. 4,	17,	3. 5178	, 08: 41: 00	, 25-Jan-2000
522,	8. 5,	35. 4,	17,	3. 2364	, 08: 42: 00	, 25-Jan-2000
523,	11. 2,	35. 5,	17,	2. 8034	, 08: 43: 00	, 25-Jan-2000
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525,	12. 7,	35. 6,	17,	3. 1201	, 08: 45: 00	, 25-Jan-2000
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527,	8. 8,	35. 7,	17,	2. 4367	, 08: 47: 00	, 25-Jan-2000
528,	1. 0,	35. 7,	16,	0. 3778	, 08: 48: 00	, 25-Jan-2000
529,	3. 5,	35. 7,	16,	0. 9115	, 08: 49: 00	, 25-Jan-2000
530,	3. 4,	35. 7,	16,	0. 5915	, 08: 50: 00	, 25-Jan-2000
531,	6. 7,	35. 7,	16,	1. 8183	, 08: 51: 00	, 25-Jan-2000
532,	5. 5,	35. 7,	16,	1. 0893	, 08: 52: 00	, 25-Jan-2000
533,	3. 0,	35. 7,	16,	0. 3766	, 08: 53: 00	, 25-Jan-2000
534,	6. 7,	35. 8,	16,	1. 8845	, 08: 54: 00	, 25-Jan-2000
535,	5. 2,	35. 8,	16,	1. 9065	, 08: 55: 00	, 25-Jan-2000
536,	4. 4,	35. 7,	16,	1. 2554	, 08: 56: 00	, 25-Jan-2000
537,	7. 8,	35. 8,	16,	2. 4521	, 08: 57: 00	, 25-Jan-2000
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539,	28. 8,	35. 8,	16,	4. 1270	, 08: 59: 00	, 25-Jan-2000
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541,	14. 5,	35. 7,	16,	3. 2664	, 09: 01: 00	, 25-Jan-2000
542,	5. 0,	35. 7,	16,	0. 8940	, 09: 02: 00	, 25-Jan-2000

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543,	6. 8,	35. 8,	16,	0. 7889	, 09: 03: 00	, 25-Jan-2000
544,	11. 8,	35. 7,	16,	2. 7450	, 09: 04: 00	, 25-Jan-2000
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554,	9. 2,	35. 8,	16,	2. 6609	, 09: 14: 00	, 25-Jan-2000
555,	13. 3,	35. 8,	16,	3. 6094	, 09: 15: 00	, 25-Jan-2000
556,	4. 7,	35. 8,	16,	0. 6687	, 09: 16: 00	, 25-Jan-2000
557,	7. 4,	35. 9,	15,	1. 4645	, 09: 17: 00	, 25-Jan-2000
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559,	11. 9,	36. 0,	15,	3. 6717	, 09: 19: 00	, 25-Jan-2000



PROJECT T4 RA PH-1: Wheeler Bay Stabilization CONTRACT NO. 820027/2008D001
CONTRACTOR Ash Creek Associates, Inc./Envirocon SUPERINTENDENT George Lotze
DAY OF WEEK & DATE: Mon., Sept 8, 2008 REPORT NO. 24
WEATHER Sunny TEMPERATURE 58L 81H

<u>NUMBER/CLASS OF CONTRACTOR'S PERSONNEL:</u>		<u>MAJOR EQUIPMENT ON JOB (Size/capacity and hours):</u>	
Envirocon: Rick Martin: Foreman/Surveyor Matt Patching: Operator Wes Jensen: Operator Kevin George: Operator		Kamatsu HM 30 (Off Road Dump Truck-rental) International Water Truck (4000gal-rental) John Deere 410 (Backhoe) Bomag BW177 DH-3 (Single Steel Roller- Rental) John Deere 450J (Small Dozer-Rental) Kamatsu PC 200 (Trac-hoe) John Deere 544 (Front end loader)	
<u>CHRONOLOGICAL ACCOUNT OF DAY'S WORK:</u>			
(07:00-15:30) Contractor's working hours at Wheeler Bay			
(07:00) Contractor's safety meeting			
Contractor's (rental) water truck's electrical system malfunctioned last Friday, 9-6, and ordered another water truck to be delivered by Monday morning, 8-8. The truck never was delivered and therefore, Environcon crews elected not to work with any equipment that may generate dust.			
Contractor elected not to perform any project related activities today that would create any dust, due to water truck not being available. All equipment remained on stand-by for the entire day.			
Contractor's surveyor with 2-grade checkers, including Environcon's project manager (Skip) continues to lay out slope stakes throughout project site.			
TESTING LABORATORY ON SITE: _____		HRS: _____	
TESTS PERFORMED: _____			
<u>PHONE LOG:</u>			
<u>SITE PHOTOS/VIDEOS TAKEN:</u>		<u>FORCE ACCOUNT WORK/ CHANGES ENCOUNTERED:</u>	

INSPECTOR Philipp G. Bales HRS _____ DATE 9-8-8
(signature on hardcopy)



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 Vancouver (360) 567-3977
 Fax (503) 924-4707

PROJECT NUMBER **1066-04**
 FIELD REPORT NUMBER **25**
 PAGE **1** OF **2**
 DATE **9/9/2008**

PROJECT	Wheeler Bay Stabilization	ARRIVAL TIME	650
LOCATION	Terminal 4	DEPARTURE TIME	1730
CLIENT	Port of Portland	WEATHER	sunny 75F; Winds: NW 5-7 mph
PURPOSE OF OBSERVATIONS	Field Oversight		
ASH CREEK REPRESENTATIVE	S. Gray	ASH CREEK PROJECT MANAGER	H. Clough
SUBCONTRACTOR	Envirocon	SUBCONTRACTOR REP.	S. Simpson

Our firm's professionals are represented on site solely to observe operations of the subcontractor identified, to form opinions about the adequacy of those operations, and to report those opinions to our client. The presence and activities of our field representative do not relieve any subcontractor from its obligation to meet contractual requirements. The subcontractor retains sole responsibility for site safety and the methods, operations, and sequence of construction. Unless signed by the Ash Creek Associates Project Manager, this report is preliminary. A preliminary report is provided solely as evidence that field observation was performed. Observations and/or conclusions and/or recommendations conveyed in the final report may vary from and shall take precedence over those included in preliminary report.

DAILY INSPECTION LOG:					
Construction Element	MEETS INSPECTION CRITERIA			SEE ENVIROCON REPORT	SEE BELOW
	YES	NO	NA		
Site Preparation					
Erosion Control Installation			X		
Clearing and Grubbing			X		
Load Out Excess Cut			X		
Debris Clear of Excess Soil	X			X	X
Shoreline Stabilization					
Sub-grade Cut and Fill	X			X	X
Demarcation Layer			X		
Select Fill			X		
Filter Fabric			X		
Armor (ODOT Class 100)			X		
Material					
Physical/Chemical Testing of Import Material			X		
Visual Inspection			X		
In-place Moisture Density Testing			X		
Compaction Testing			X		
Grading Inspection					
Final Grade 3H:1V in North Portion of Slope			X		
Final Grade 2H:1V in Southern Portion of Slope			X		
Compaction Testing			X		
Vegetation and Groundcover					
Topsoil			X		
Coir Fabric			X		
Shrubs and Plantings			X		
Mulch			X		
Hydroseeding			X		
Habitat Cover			X		
Jute Matting			X		
Habitat Logs and LWD			X		
COMMENTS:					
Cut toe EL 10' to 15' from 5+00 to 3+00 with fill and grade from EL 15' to 30' from 5+00 to 3+00; off load excess concrete debris.					



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Environmental and Geotechnical Consultants

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PROJECT NUMBER 1066-04
FIELD REPORT NUMBER 25
PAGE 2 OF 2
DATE 9/9/2008

DAILY INSPECTION LOG CONT'D:

Construction Element	MEETS INSPECTION CRITERIA			SEE ENVIROCON REPORT	SEE BELOW
	YES	NO	NA		
Temporary Erosion and Sediment Control (TESC)					
TESC Measures	X				
SW Runoff			X		
Surface Water Quality (Tier I: visible sheen and/or turbidity)			X		
Other TESC Measures: _____			X		
Site Conditions					
Equipment	X				
Signage	X				
Restricted Area Fence	X				
Stockpile	X				
Other Site Conditions: _____			X		
Environmental Protection Measures					
Noise Prevention	X				
Dust Prevention	X				
Diesel Exhaust	X				
Prevention of Off-site Tracking of Sediment	X				
Fuel Storage and Fuel Transfers			X		
Fertilizer Application			X		
Other Environmental Protection Measures: _____			X		
Health and Safety					
	YES	NO	SEE ENVIROCON REPORT	SEE BELOW	
Safety Tailgate Meeting	X				
Accidents		X			
Illnesses		X			
Near-miss Incidents		X			
Corrective Action		X			
Other Safety and Health Issues: _____		X			
Day's Activities:					
Cut and fill from 5+00 to 3+00 (see page 1) and offload concrete debris.					

BY

REVIEWED BY

Sam Gray

ASH CREEK ASSOCIATES REPRESENTATIVE

H. Clough

ASH CREEK ASSOCIATES PROJECT MANAGER

DAILY CONSTRUCTION & CQC REPORT

T4 Wheeler Bay Stabilization - PROJECT #1473800

ENVIROCON

Weather:		Site Conditions:		Report Information:	
Max Temp: <u>81</u>	Site Conditions: <u>dry</u>	Date: <u>9/9/2008</u>			
Min Temp: <u>60</u>	Winds: <u>light</u>	Week Day: <u>Tuesday</u>			
	Precipitation: <u>none</u>	Shift: <u>7AM-4:30PM</u>			

Report Prepared By:										
Personnel	WBS Task	Hours	Start	Finish	Equip	No.	Run	Stdby	WBS Task Code	Comments
WES JENSEN	302	10.5	7AM	4:30PM	HM300 ARTIC	Modern	0		301	
RICK MARTIN	302	10.5	7AM	4:30PM	JD450 DOZER	United	9		302	
MIKE MCCOY	302	10.5	7AM	2PM	PC200 EXC.	3366	9		302	
MATTHEW PATCHING	302	10.5	7AM	2PM	WATER TRUCK	United	9		302	
SKIP SIMPSON					JD310 BACKHOE	1196	0		301	
SUZANNE STARKEY					JD544J Loader	United	1		1903	
					Mini Ex	United	3		1903	

DESCRIPTION OF WORK (detail below):

Excavated Toe from Sta 3+46 to 7+04

Performed cut/fill operations.

Repaired silt fence as needed. Survey and grade checking as needed.

Dust control provided by water truck.

DOWNTIME OR DELAYS:

MATERIAL PLACED:								
MATERIAL	STA (START)		STA (STOP)		QTY.	QTY. TO DATE	APPROVED SOURCE	TECHNICAL SPECIFICATION NO.
	STA	OFFSET	STA	OFFSET				
Demarcation Layer								Addendum No. 1 312000-4
Select Fill								312000-3 (2.3)
Armor Type 3								312000-3 (2.5)
Habitat Cover								312000-3 (2.6)
Topsoil								329119-2 (2.5)
Coir Fabric								329119-2 (2.2)
Jute Matting								329119-2 (2.1)
Mulch								329300-4 (2.2)
Habitat Logs								353200-3 (3.3)
Shrubs & Plantings								329300
Hydroseeding								329219
Geotextile fabric								

COMMENTS (Material Delivered-Removed/Qty.):

Hauled concrete (primarily from Fire Pier) to the Construction Material Exchange (approximately 70 tons).

DAILY INSPECTION LOG:				
TYPE	TECHNICAL SPECIFICATION NO.	LOCATION / NATURE OF DEFECT	CORRECTIVE ACTION TAKEN OR PROPOSED	COMMENTS
TESC				
Signage				
Restricted Area Fence				

SAFETY STATUS:

Accidents (if any):

Illnesses (if any):

Near-miss Incidents (if any):

Corrective Action (if any):

Other:

Signature Verifying Above: *S. King Simpson*

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"Device no.", 1
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"TEMPUNITS", C
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"Avg MASS", 14. 567890
"Max Di am", 4. 127007
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PROJECT T4 RA PH-1: Wheeler Bay Stabilization CONTRACT NO. 820027/2008D001
CONTRACTOR Ash Creek Associates, Inc./Envirocon SUPERINTENDENT George Lotze
DAY OF WEEK & DATE: Tues., Sept 9, 2008 REPORT NO. 25
WEATHER Sunny TEMPERATURE 54L 80H

NUMBER/CLASS OF CONTRACTOR'S PERSONNEL:Envirocon:

Rick Martin: Foreman/Surveyor
Matt Patching: Operator
Wes Jensen: Operator
Kevin George: Operator

MAJOR EQUIPMENT ON JOB (Size/capacity and hours):

Kamatsu HM 30 (Off Road Dump Truck-rental)
International Water Truck (4000gal-rental)
John Deere 410 (Backhoe)
Bomag BW177 DH-3 (Single Steel Roller- Rental)
John Deere 450J (Small Dozer-Rental)
Kamatsu PC 200 (Trac-hoe)
John Deere 544 (Front end loader)

CHRONOLOGICAL ACCOUNT OF DAY'S WORK:

(07:00-15:30) Contractor's working hours at Wheeler Bay

(07:00) Contractor's safety meeting

NOTE:

Bomag BW177 DH-3 was demobilized from site today
Ingersoll Small Trac Hoe with hydraulic hammer was mobilized on site today
Water Truck was mobilized on site today

Ingersoll trac hoe with hammer broke up all concrete blocks that were recently exposed during bank common excavation and stockpiled top of bank at 0+50. The broken concrete will be hauled off site and recycled. This is the second group of concrete blocks exposed during excavation of slopes. Photos taken by Port inspector (PGB) of concrete stockpile.

PC200 continues to excavate structural keyed toe of slope (see detail 3/C3) and depositing clean excavated material up to middle of slope while JD 450 processes material to finished grade creating 3:1 slope from approx. sta 3+50 to sta 5+75

Contractor's surveyor with grade checker continues to lay out slope stakes throughout project site.

Dust abatement, by applying water, is applied all day long by water truck, during PC300 excavation activities including all on-site dirt roadways. Port supplied a water meter for Envirocon when filling up water truck using Port owned fire hydrant.

TESTING LABORATORY ON SITE: _____ HRS: _____

TESTS PERFORMED: _____

PHONE LOG:**SITE PHOTOS/VIDEOS TAKEN:****FORCE ACCOUNT WORK/ CHANGES ENCOUNTERED:**



PORT OF PORTLAND

DAILY DIARY

PAGE 2 OF 2

PROJECT T4 RA PH-1: Wheeler Bay Stabilization CONTRACT NO. 820027/2008D001

CONTRACTOR Ash Creek Associates, Inc./Envirocon SUPERINTENDENT George Lotze

DAY OF WEEK & DATE: Tues., Sept 9, 2008 REPORT NO. 25

WEATHER Sunny TEMPERATURE 54L 80H

INSPECTOR Philipp G. Bales HRS DATE 9-9-8
(signature on hardcopy)



9615 SW Allen Boulevard, Suite 106
 Portland, Oregon 97005-4814
 www.ashcreekassociates.com
 Portland (503) 924-4704
 Vancouver (360) 567-3977
 Fax (503) 924-4707

PROJECT NUMBER 1066-04
 FIELD REPORT NUMBER 26
 PAGE 1 OF 2
 DATE 9/10/2008

PROJECT	Wheeler Bay Stabilization	ARRIVAL TIME	655
LOCATION	Terminal 4	DEPARTURE TIME	1730
CLIENT	Port of Portland	WEATHER	sunny 80F; Winds: NW 4-6 mph
PURPOSE OF OBSERVATIONS	Field Oversight		
ASH CREEK REPRESENTATIVE	D. Urquhart	ASH CREEK PROJECT MANAGER	H. Clough
SUBCONTRACTOR	Envirocon	SUBCONTRACTOR REP.	S. Simpson

Our firm's professionals are represented on site solely to observe operations of the subcontractor identified, to form opinions about the adequacy of those operations, and to report those opinions to our client. The presence and activities of our field representative do not relieve any subcontractor from its obligation to meet contractual requirements. The subcontractor retains sole responsibility for site safety and the methods, operations, and sequence of construction. Unless signed by the Ash Creek Associates Project Manager, this report is preliminary. A preliminary report is provided solely as evidence that field observation was performed. Observations and/or conclusions and/or recommendations conveyed in the final report may vary from and shall take precedence over those included in preliminary report.

DAILY INSPECTION LOG:					
Construction Element	MEETS INSPECTION CRITERIA			SEE ENVIROCON REPORT	SEE BELOW
	YES	NO	NA		
Site Preparation					
Erosion Control Installation			X		
Clearing and Grubbing			X		
Load Out Excess Cut			X		
Debris Clear of Excess Soil			X		
Shoreline Stabilization					
Sub-grade Cut and Fill	X			X	X
Demarcation Layer			X		
Select Fill			X		
Filter Fabric			X		
Armor (ODOT Class 100)			X		
Material					
Physical/Chemical Testing of Import Material			X		
Visual Inspection	X			X	X
In-place Moisture Density Testing			X		
Compaction Testing			X		
Grading Inspection					
Final Grade 3H:1V in North Portion of Slope			X		
Final Grade 2H:1V in Southern Portion of Slope			X		
Compaction Testing			X		
Vegetation and Groundcover					
Topsoil			X		
Coir Fabric			X		
Shrubs and Plantings			X		
Mulch			X		
Hydroseeding			X		
Habitat Cover			X		
Jute Matting			X		
Habitat Logs and LWD			X		
COMMENTS:					
Cut toe EL 10' to 15' from 3+00 to 1+80 with fill and grade from EL 15' to 30' from 5+00 to 2+00. Armor rock delivered to site.					

DAILY INSPECTION LOG CONT'D:

Construction Element	MEETS INSPECTION CRITERIA			SEE ENVIROCON REPORT	SEE BELOW
	YES	NO	NA		
Temporary Erosion and Sediment Control (TESC)					
TESC Measures	X				
SW Runoff			X		
Surface Water Quality (Tier I: visible sheen and/or turbidity)			X		
Other TESC Measures: _____			X		
Site Conditions					
Equipment	X				
Signage	X				
Restricted Area Fence	X				
Stockpile	X				
Other Site Conditions: _____			X		
Environmental Protection Measures					
Noise Prevention	X				
Dust Prevention	X				
Diesel Exhaust	X				
Prevention of Off-site Tracking of Sediment	X				
Fuel Storage and Fuel Transfers			X		
Fertilizer Application			X		
Other Environmental Protection Measures: _____			X		
Health and Safety					
	YES	NO	SEE ENVIROCON REPORT	SEE BELOW	
Safety Tailgate Meeting	X				
Accidents		X			
Illnesses		X			
Near-miss Incidents		X			
Corrective Action		X			
Other Safety and Health Issues: _____		X			
Day's Activities:					
Cut and fill from 5+00 to 1+80 (see page 1).					

BY

REVIEWED BY

Douglas Urquhart
ASH CREEK ASSOCIATES REPRESENTATIVE

H. Clough
ASH CREEK ASSOCIATES PROJECT MANAGER

DAILY CONSTRUCTION & CQC REPORT

T4 Wheeler Bay Stabilization - PROJECT #1473800



Weather:

Max Temp: 76 Site Conditions: dry
Min Temp: 55 Winds: Moderate
Precipitation: none

Report Information:

Date: 9/10/2008
Week Day: Thursday
Shift: 7AM-5:30PM

Report Prepared By:

Personnel	WBS Task	Hours	Start	Finish	Equip	No.	Run	Stdby	WBS Task Code	Comments
WES JENSEN	301-302	10.5	7AM	6PM	HM300 ARTIC	Modern	5		302	Cut/fill, Toe construction
RICK MARTIN	301-303	10.5	7AM	6PM	JD450 DOZER	United	6		302	Cut/fill, Toe construction
MIKE MCCOY	301-304	10.5	7AM	6PM	PC200 EXC.	3366	9		302	Cut/fill, Toe construction
MATTHEW PATCHING	301-305	10.5	7AM	6PM	WATER TRUCK	United	9		302	Dust control
SKIP SIMPSON					JD310 BACKHOE	1196			302	Transport materials
SUZANNE STARKEY					JD544J Loader	United	21		302	Manage Stockpile
					Mini-Excavator	United	2		302	Cut/fill, Toe construction

DESCRIPTION OF WORK (detail below):

Cut/fill toe from STA's 3+00 to 4+00.

Grade SG Elev. 13.0-Elev. 20 Sta's 6+70 to 4+00.

Received 30"X6" MH F&C for electric vault. Imported 91.42 tons Armor Rock.

Repaired silt fence as needed. Survey and grade checking as needed.

Dust control provided by water truck.

DOWNTIME OR DELAYS:

MATERIAL PLACED:

MATERIAL	STA (START) STA	STA (STOP) OFFSET	QTY.	QTY. TO DATE	APPROVED SOURCE	TECHNICAL SPECIFICATION NO.
Demarcation Layer						Addendum No. 1 312000-4
Select Fill						312000-3 (2.3)
Armor Type 3						312000-3 (2.5)
Habitat Cover						312000-3 (2.6)
Topsoil						329119-2 (2.5)
Coir Fabric						329119-2 (2.2)
Jute Matting						329119-2 (2.1)
Mulch						329300-4 (2.2)
Habitat Logs						353200-3 (3.3)
Shrubs & Plantings						329300
Hydroseeding						329219
Geotextile fabric						

COMMENTS (Material Delivered-Removed/Qty.):

? tons Armor Type 3.

Completes toe subgrade cut-fill.

Modern Machinery mechanic on site at 5:30 to repair PC-200 bucket quick connect.

DAILY INSPECTION LOG:

TYPE	TECHNICAL SPECIFICATION NO.	LOCATION / NATURE OF DEFECT	CORRECTIVE ACTION TAKEN OR PROPOSED	COMMENTS
TESC				
Signage				
Restricted Area Fence				

SAFETY STATUS:

Accidents (if any):	
Illnesses (if any):	
Near-miss Incidents (if any):	
Corrective Action (if any):	
Other:	

Signature Verifying Above:

Skip Simpson

```

"Model Number", "DataRAM 4 ", 106
"Serial no.", "D630"
"Device no.", 1
"Tag Number", 16
"Start Time", 06: 57: 41
"Start Date", 10-Sep-2008
"Log Period", 00: 01: 00
"Number", 649
"Cal Factor", 1. 000000
"Unit", 0
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"SI ZE_CORRECT", "DI SABLED"
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554,	26. 3,	32. 7,	20,	4. 0732	, 16: 11: 41	, 10-Sep-2008
555,	15. 4,	32. 7,	20,	3. 9838	, 16: 12: 41	, 10-Sep-2008
556,	13. 3,	32. 7,	20,	3. 7604	, 16: 13: 41	, 10-Sep-2008
557,	22. 6,	32. 8,	20,	4. 0914	, 16: 14: 41	, 10-Sep-2008
558,	19. 3,	32. 8,	20,	3. 7474	, 16: 15: 41	, 10-Sep-2008
559,	16. 6,	32. 8,	20,	2. 4421	, 16: 16: 41	, 10-Sep-2008
560,	19. 3,	32. 8,	20,	4. 0784	, 16: 17: 41	, 10-Sep-2008
561,	19. 3,	32. 9,	20,	4. 1270	, 16: 18: 41	, 10-Sep-2008
562,	15. 8,	32. 9,	20,	4. 1270	, 16: 19: 41	, 10-Sep-2008
563,	18. 1,	33. 0,	20,	3. 8630	, 16: 20: 41	, 10-Sep-2008
564,	13. 1,	33. 0,	20,	3. 6679	, 16: 21: 41	, 10-Sep-2008
565,	10. 6,	33. 1,	20,	2. 8803	, 16: 22: 41	, 10-Sep-2008
566,	13. 5,	33. 1,	20,	3. 2317	, 16: 23: 41	, 10-Sep-2008
567,	17. 9,	33. 1,	20,	4. 0703	, 16: 24: 41	, 10-Sep-2008
568,	11. 6,	33. 1,	20,	3. 2387	, 16: 25: 41	, 10-Sep-2008
569,	12. 5,	33. 1,	20,	2. 4522	, 16: 26: 41	, 10-Sep-2008
570,	15. 9,	33. 1,	20,	4. 0097	, 16: 27: 41	, 10-Sep-2008
571,	19. 0,	33. 1,	20,	4. 0758	, 16: 28: 41	, 10-Sep-2008
572,	15. 5,	33. 1,	20,	3. 9951	, 16: 29: 41	, 10-Sep-2008
573,	17. 8,	33. 1,	20,	3. 9707	, 16: 30: 41	, 10-Sep-2008
574,	17. 3,	33. 1,	20,	3. 9919	, 16: 31: 41	, 10-Sep-2008
575,	25. 4,	33. 0,	20,	4. 1270	, 16: 32: 41	, 10-Sep-2008
576,	22. 0,	33. 0,	20,	3. 9501	, 16: 33: 41	, 10-Sep-2008
577,	13. 8,	33. 0,	20,	3. 8116	, 16: 34: 41	, 10-Sep-2008
578,	18. 4,	33. 0,	20,	3. 6630	, 16: 35: 41	, 10-Sep-2008
579,	17. 2,	33. 0,	20,	3. 4362	, 16: 36: 41	, 10-Sep-2008
580,	24. 0,	32. 9,	20,	4. 1270	, 16: 37: 41	, 10-Sep-2008
581,	20. 4,	32. 9,	20,	4. 0211	, 16: 38: 41	, 10-Sep-2008
582,	14. 7,	32. 9,	20,	3. 9603	, 16: 39: 41	, 10-Sep-2008
583,	10. 5,	32. 9,	20,	3. 6788	, 16: 40: 41	, 10-Sep-2008
584,	11. 7,	32. 9,	20,	3. 5297	, 16: 41: 41	, 10-Sep-2008
585,	12. 1,	32. 8,	20,	3. 5559	, 16: 42: 41	, 10-Sep-2008
586,	18. 4,	32. 8,	20,	4. 0786	, 16: 43: 41	, 10-Sep-2008
587,	15. 0,	32. 8,	20,	3. 9696	, 16: 44: 41	, 10-Sep-2008
588,	14. 5,	32. 8,	21,	2. 4910	, 16: 45: 41	, 10-Sep-2008
589,	12. 5,	32. 7,	20,	3. 8684	, 16: 46: 41	, 10-Sep-2008
590,	11. 6,	32. 7,	21,	3. 4540	, 16: 47: 41	, 10-Sep-2008
591,	10. 7,	32. 7,	21,	3. 0853	, 16: 48: 41	, 10-Sep-2008
592,	15. 5,	32. 7,	21,	3. 8598	, 16: 49: 41	, 10-Sep-2008
593,	13. 8,	32. 7,	21,	3. 1109	, 16: 50: 41	, 10-Sep-2008
594,	13. 3,	32. 7,	21,	3. 6161	, 16: 51: 41	, 10-Sep-2008
595,	12. 7,	32. 7,	21,	3. 4592	, 16: 52: 41	, 10-Sep-2008
596,	18. 6,	32. 6,	21,	3. 9554	, 16: 53: 41	, 10-Sep-2008
597,	16. 0,	32. 6,	21,	3. 5451	, 16: 54: 41	, 10-Sep-2008
598,	13. 7,	32. 6,	21,	3. 9998	, 16: 55: 41	, 10-Sep-2008
599,	15. 5,	32. 6,	21,	3. 9447	, 16: 56: 41	, 10-Sep-2008
600,	15. 2,	32. 6,	21,	4. 0130	, 16: 57: 41	, 10-Sep-2008
601,	13. 5,	32. 6,	21,	3. 9792	, 16: 58: 41	, 10-Sep-2008
602,	13. 6,	32. 6,	21,	2. 8869	, 16: 59: 41	, 10-Sep-2008
603,	14. 7,	32. 6,	22,	3. 8727	, 17: 00: 41	, 10-Sep-2008
604,	15. 1,	32. 5,	21,	3. 6020	, 17: 01: 41	, 10-Sep-2008
605,	13. 2,	32. 5,	21,	3. 4895	, 17: 02: 41	, 10-Sep-2008

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606,	15. 4,	32. 5,	21,	3. 8921	, 17: 03: 41	, 10-Sep-2008
607,	13. 2,	32. 5,	21,	3. 3331	, 17: 04: 41	, 10-Sep-2008
608,	9. 1,	32. 4,	22,	3. 1370	, 17: 05: 41	, 10-Sep-2008
609,	14. 2,	32. 4,	21,	3. 6075	, 17: 06: 41	, 10-Sep-2008
610,	15. 7,	32. 4,	21,	3. 6021	, 17: 07: 41	, 10-Sep-2008
611,	9. 0,	32. 3,	21,	2. 4521	, 17: 08: 41	, 10-Sep-2008
612,	12. 9,	32. 2,	21,	2. 8958	, 17: 09: 41	, 10-Sep-2008
613,	14. 9,	32. 2,	21,	3. 8662	, 17: 10: 41	, 10-Sep-2008
614,	10. 8,	32. 2,	21,	3. 4316	, 17: 11: 41	, 10-Sep-2008
615,	14. 8,	32. 1,	22,	3. 9538	, 17: 12: 41	, 10-Sep-2008
616,	12. 0,	32. 1,	22,	3. 2770	, 17: 13: 41	, 10-Sep-2008
617,	10. 2,	32. 1,	22,	3. 2547	, 17: 14: 41	, 10-Sep-2008
618,	11. 1,	32. 1,	22,	3. 2904	, 17: 15: 41	, 10-Sep-2008
619,	24. 5,	32. 0,	22,	4. 1270	, 17: 16: 41	, 10-Sep-2008
620,	15. 3,	32. 0,	22,	3. 8036	, 17: 17: 41	, 10-Sep-2008
621,	14. 1,	32. 0,	22,	3. 6474	, 17: 18: 41	, 10-Sep-2008
622,	20. 5,	31. 9,	22,	4. 1270	, 17: 19: 41	, 10-Sep-2008
623,	14. 3,	31. 9,	22,	3. 8870	, 17: 20: 41	, 10-Sep-2008
624,	12. 2,	31. 8,	22,	3. 8819	, 17: 21: 41	, 10-Sep-2008
625,	14. 2,	31. 8,	22,	3. 1982	, 17: 22: 41	, 10-Sep-2008
626,	15. 2,	31. 7,	23,	3. 0514	, 17: 23: 41	, 10-Sep-2008
627,	13. 1,	31. 7,	23,	3. 7767	, 17: 24: 41	, 10-Sep-2008
628,	12. 1,	31. 7,	23,	3. 3801	, 17: 25: 41	, 10-Sep-2008
629,	10. 8,	31. 7,	23,	3. 1613	, 17: 26: 41	, 10-Sep-2008
630,	8. 5,	31. 6,	23,	2. 1455	, 17: 27: 41	, 10-Sep-2008
631,	14. 0,	31. 6,	23,	3. 7063	, 17: 28: 41	, 10-Sep-2008
632,	13. 8,	31. 6,	23,	4. 0787	, 17: 29: 41	, 10-Sep-2008
633,	13. 8,	31. 6,	23,	3. 6571	, 17: 30: 41	, 10-Sep-2008
634,	8. 2,	31. 5,	23,	3. 3926	, 17: 31: 41	, 10-Sep-2008
635,	12. 3,	31. 5,	23,	3. 5387	, 17: 32: 41	, 10-Sep-2008
636,	14. 5,	31. 4,	23,	3. 7959	, 17: 33: 41	, 10-Sep-2008
637,	18. 2,	31. 4,	23,	2. 9823	, 17: 34: 41	, 10-Sep-2008
638,	13. 9,	31. 3,	23,	3. 1976	, 17: 35: 41	, 10-Sep-2008
639,	11. 7,	31. 3,	23,	2. 9079	, 17: 36: 41	, 10-Sep-2008
640,	13. 2,	31. 3,	24,	3. 8666	, 17: 37: 41	, 10-Sep-2008
641,	12. 8,	31. 3,	23,	2. 8956	, 17: 38: 41	, 10-Sep-2008
642,	13. 3,	31. 3,	23,	3. 8667	, 17: 39: 41	, 10-Sep-2008
643,	12. 4,	31. 2,	24,	3. 0989	, 17: 40: 41	, 10-Sep-2008
644,	9. 5,	31. 2,	24,	1. 9295	, 17: 41: 41	, 10-Sep-2008
645,	13. 9,	31. 2,	24,	3. 3569	, 17: 42: 41	, 10-Sep-2008
646,	13. 2,	31. 1,	24,	3. 1138	, 17: 43: 41	, 10-Sep-2008
647,	15. 2,	31. 1,	23,	4. 0634	, 17: 44: 41	, 10-Sep-2008
648,	11. 3,	31. 1,	23,	3. 3490	, 17: 45: 41	, 10-Sep-2008
649,	16. 8,	31. 1,	24,	3. 4651	, 17: 46: 41	, 10-Sep-2008



PROJECT T4 RA PH-1: Wheeler Bay Stabilization CONTRACT NO. 820027/2008D001
CONTRACTOR Ash Creek Associates, Inc./Envirocon SUPERINTENDENT George Lotze
DAY OF WEEK & DATE: Wed., Sept 10, 2008 REPORT NO. 26
WEATHER Sunny TEMPERATURE 55L 81H

NUMBER/CLASS OF CONTRACTOR'S PERSONNEL:Envirocon:

Rick Martin: Foreman/Surveyor
Matt Patching: Operator
Wes Jensen: Operator
Kevin George: Operator

MAJOR EQUIPMENT ON JOB (Size/capacity and hours):

Kamatsu HM 30 (Off Road Dump Truck-rental)
International Water Truck (4000gal-rental)
John Deere 410 (Backhoe)
John Deere 450J (Small Dozer-Rental)
Kamatsu PC 200 (Trac-hoe)
John Deere 544 (Front end loader)

CHRONOLOGICAL ACCOUNT OF DAY'S WORK:

(07:00-15:30) Contractor's working hours at Wheeler Bay

(07:00) Contractor's safety meeting

(10:00) Progress weekly meeting held at T4 admin bldg..

PC200 continues to excavate structural keyed toe of slope (see detail 3/C3) and depositing clean excavated material up to middle of slope while JD 450 processes material to finished grade creating 3:1 slope from approx. sta 3+00 to sta 6+25

Contractor's surveyor with grade checker continues to lay out slope stakes throughout project site.

Dust abatement, by applying water, is applied all day long by water truck, during PC300 excavation activities including all on-site dirt roadways. Port supplied a water meter for Envirocon when filling up water truck using Port owned fire hydrant.

TESTING LABORATORY ON SITE: _____ HRS: _____

TESTS PERFORMED: _____

PHONE LOG:**SITE PHOTOS/VIDEOS TAKEN:****FORCE ACCOUNT WORK/ CHANGES ENCOUNTERED:**

INSPECTOR Philipp G. Bales HRS _____ DATE 9-10-8
(signature on hardcopy)



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PROJECT NUMBER 1066-04
 FIELD REPORT NUMBER 27
 PAGE 1 OF 2
 DATE 9/11/2008

PROJECT	Wheeler Bay Stabilization	ARRIVAL TIME	655
LOCATION	Terminal 4	DEPARTURE TIME	1755
CLIENT	Port of Portland	WEATHER	sunny 90F; Winds: NW 4-6 mph
PURPOSE OF OBSERVATIONS	Field Oversight		
ASH CREEK REPRESENTATIVE	D. Urquhart	ASH CREEK PROJECT MANAGER	H. Clough
SUBCONTRACTOR	Envirocon	SUBCONTRACTOR REP.	S. Simpson

Our firm's professionals are represented on site solely to observe operations of the subcontractor identified, to form opinions about the adequacy of those operations, and to report those opinions to our client. The presence and activities of our field representative do not relieve any subcontractor from its obligation to meet contractual requirements. The subcontractor retains sole responsibility for site safety and the methods, operations, and sequence of construction. Unless signed by the Ash Creek Associates Project Manager, this report is preliminary. A preliminary report is provided solely as evidence that field observation was performed. Observations and/or conclusions and/or recommendations conveyed in the final report may vary from and shall take precedence over those included in preliminary report.

DAILY INSPECTION LOG:					
Construction Element	MEETS INSPECTION CRITERIA			SEE ENVIROCON REPORT	SEE BELOW
	YES	NO	NA		
Site Preparation					
Erosion Control Installation			X		
Clearing and Grubbing			X		
Load Out Excess Cut			X		
Debris Clear of Excess Soil			X		
Shoreline Stabilization					
Sub-grade Cut and Fill	X			X	X
Demarcation Layer	X			X	X
Select Fill	X			X	X
Filter Fabric	X			X	X
Armor (ODOT Class 100)			X		
Material					
Physical/Chemical Testing of Import Material			X		
Visual Inspection	X			X	X
In-place Moisture Density Testing			X		
Compaction Testing			X		
Grading Inspection					
Final Grade 3H:1V in North Portion of Slope			X		
Final Grade 2H:1V in Southern Portion of Slope			X		
Compaction Testing			X		
Vegetation and Groundcover					
Topsoil			X		
Coir Fabric			X		
Shrubs and Plantings			X		
Mulch			X		
Hydroseeding			X		
Habitat Cover			X		
Jute Matting			X		
Habitat Logs and LWD	X			X	X
COMMENTS:					
Cut and fill and grading of 5+50 to 2+00 from EL 15' to 30'; demarcation layer, filter fabric, and select fill from 1+80 to 4+60;					
Install ecology blocks at 2+30 and 4+60; Armor rock delivered to site.					

DAILY INSPECTION LOG CONT'D:

Construction Element	MEETS INSPECTION CRITERIA			SEE ENVIROCON REPORT	SEE BELOW		
	YES	NO	NA				
Temporary Erosion and Sediment Control (TESC)							
TESC Measures	X						
SW Runoff			X				
Surface Water Quality (Tier I: visible sheen and/or turbidity)			X				
Other TESC Measures: _____			X				
Site Conditions							
Equipment	X						
Signage	X						
Restricted Area Fence	X						
Stockpile	X						
Other Site Conditions: _____			X				
Environmental Protection Measures							
Noise Prevention	X						
Dust Prevention	X						
Diesel Exhaust	X						
Prevention of Off-site Tracking of Sediment	X						
Fuel Storage and Fuel Transfers	X						
Fertilizer Application			X				
Other Environmental Protection Measures: _____			X				
Health and Safety							
	YES	NO	SEE ENVIROCON REPORT	SEE BELOW			
Safety Tailgate Meeting	X						
Accidents		X					
Illnesses		X					
Near-miss Incidents		X					
Corrective Action		X					
Other Safety and Health Issues: _____		X					
Day's Activities:							
Toe construction 1+80 to 4+60 (see page 1) and grading (see page 1).							

BY

REVIEWED BY

Douglas Urquhart
ASH CREEK ASSOCIATES REPRESENTATIVE

H. Clough
ASH CREEK ASSOCIATES PROJECT MANAGER

DAILY CONSTRUCTION & CQC REPORT

T4 Wheeler Bay Stabilization - PROJECT #1473800



Weather:

Max Temp: 80 Site Conditions: dry
Min Temp: 60 Winds: Moderate
Precipitation: none

Report Information:

Date: 9/11/2008
Week Day: Thursday
Shift: 7AM-5:30PM

Report Prepared By:

Personnel	WBS Task	Hours	Start	Finish	Equip	No.	Run	Stdby	WBS Task Code	Comments
WES JENSEN	301-302	10.5	7AM	5:30PM	HM300 ARTIC	Modern	1		302	Place Select Fill
RICK MARTIN	301-303	10.5	7AM	5:30PM	JD450 DOZER	United	6		302	Slope Grading
MIKE MCCOY	301-304	10.5	7AM	5:30PM	PC200 EXC.	3366	5		302	Grading/Select Fill/Anchors
MATTHEW PATCHING	301-305	10.5	7AM	5:30PM	WATER TRUCK	United	7		302	Dust control
SKIP SIMPSON					JD310 BACKHOE	1196	0		302	Transport materials
SUZANNE STARKEY					JD544J Loader	United	5		302	Place Select Fill

DESCRIPTION OF WORK (detail below):

Grade SG Elev.15.0-Elev. 30.0 STA's 4+70 to 7+04. Install habitat log anchors STA 2+35 and 4+70.

Grade SG Elev. 13.0-Elev. 20.0 Sta's 4+00 to 2+35.

Placed demarcation, geotextile and select fill as noted below. Select fill not finish graded.

Repaired silt fence as needed. Survey and grade checking as needed.

Dust control provided by water truck.

DOWNTIME OR DELAYS:

Note: DataRam failure. No data recorded today. Continued monitoring for visible dust. Dataram expected tomorrow a.m.

MATERIAL PLACED:

MATERIAL	STA (START) STA	STA (STOP) STA	QTY.	QTY. TO DATE	APPROVED SOURCE	TECHNICAL SPECIFICATION NO.
Demarcation Layer	1+20	4+70	583 SY	893 SY	X	Addendum No. 1 312000-4
Select Fill	1+20	4+70	150 CY		X	312000-3 (2.3)
Armor Type 3						312000-3 (2.5)
Habitat Cover						312000-3 (2.6)
Topsoil						329119-2 (2.5)
Coir Fabric						329119-2 (2.2)
Jute Matting						329119-2 (2.1)
Mulch						329300-4 (2.2)
Habitat Logs						353200-3 (3.3)
Shrubs & Plantings						329300
Hydroseeding						329219
Geotextile fabric	1+20	4+70	583 SY	893 SY	X	

COMMENTS (Material Delivered-Removed/Qty.):

74.1 tons Armor Type 3.

Complete habitat log anchor installation.

Modern Machinery mechanic on site at 5:30 to repair PC-200 bucket quick connect.

DAILY INSPECTION LOG:

TYPE	TECHNICAL SPECIFICATION NO.	LOCATION / NATURE OF DEFECT	CORRECTIVE ACTION TAKEN OR PROPOSED	COMMENTS
TESC				
Signage				
Restricted Area Fence				

SAFETY STATUS:

Accidents (if any):	
Illnesses (if any):	
Near-miss Incidents (if any):	
Corrective Action (if any):	
Other:	

Signature Verifying Above:

Skip Simpson



PROJECT T4 RA PH-1: Wheeler Bay Stabilization CONTRACT NO. 820027/2008D001
CONTRACTOR Ash Creek Associates, Inc./Envirocon SUPERINTENDENT George Lotze
DAY OF WEEK & DATE: Thurs., Sept 11, 2008 REPORT NO. 27
WEATHER Sunny TEMPERATURE 55L 81H

<u>NUMBER/CLASS OF CONTRACTOR'S PERSONNEL:</u> Envirocon: Rick Martin: Foreman/Surveyor Matt Patching: Operator Wes Jensen: Operator Kevin George: Operator	<u>MAJOR EQUIPMENT ON JOB (Size/capacity and hours):</u> Kamatsu HM 30 (Off Road Dump Truck-rental) International Water Truck (4000gal-rental) John Deere 410 (Backhoe) Bomag BW177 DH-3 (Single Steel Roller- Rental) John Deere 450J (Small Dozer-Rental) Kamatsu PC 200 (Trac-hoe) John Deere 544 (Front end loader)
<u>CHRONOLOGICAL ACCOUNT OF DAY'S WORK:</u> (07:00-17:30) Contractor's working hours at Wheeler Bay (07:00) Contractor's safety meeting PC200 completed excavating structural keyed toe of slope (see detail 3/C3) from 1+20 to 6+50, and placed demarcation fence, followed by geotech fabric, select mixed habitat backfill (bottom 12"), then select fill (top 6"). Crew compacting each section of backfill before placing next layer of backfill. Crew has placed all eco-blocks and backfilled as required per dwg sheet L-1. Contractor's surveyor with grade checker continues to lay out slope stakes throughout project site and also verifying eco-blocks final elevations. Surveyor also checking each section of backfill (fill to finish). Dust abatement, by applying water, is applied all day long by water truck, during PC300 excavation activities including all on-site dirt roadways. Port supplied a water meter for Envirocon when filling up water truck using Port owned fire hydrant.	
TESTING LABORATORY ON SITE: _____ HRS: _____	
TESTS PERFORMED: _____	
<u>PHONE LOG:</u> 	
<u>SITE PHOTOS/VIDEOS TAKEN:</u> 	<u>FORCE ACCOUNT WORK/ CHANGES ENCOUNTERED:</u>

INSPECTOR Philipp G. Bales HRS DATE 9-11-8
(signature on hardcopy)



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PROJECT NUMBER 1066-04
 FIELD REPORT NUMBER 28
 PAGE 1 OF 2
 DATE 9/12/2008

PROJECT	Wheeler Bay Stabilization	ARRIVAL TIME	655
LOCATION	Terminal 4	DEPARTURE TIME	1535
CLIENT	Port of Portland	WEATHER	sunny 85F; Winds: NW 2-4 mph
PURPOSE OF OBSERVATIONS	Field Oversight		
ASH CREEK REPRESENTATIVE	D. Urquhart	ASH CREEK PROJECT MANAGER	H. Clough
SUBCONTRACTOR	Envirocon	SUBCONTRACTOR REP.	S. Simpson

Our firm's professionals are represented on site solely to observe operations of the subcontractor identified, to form opinions about the adequacy of those operations, and to report those opinions to our client. The presence and activities of our field representative do not relieve any subcontractor from its obligation to meet contractual requirements. The subcontractor retains sole responsibility for site safety and the methods, operations, and sequence of construction. Unless signed by the Ash Creek Associates Project Manager, this report is preliminary. A preliminary report is provided solely as evidence that field observation was performed. Observations and/or conclusions and/or recommendations conveyed in the final report may vary from and shall take precedence over those included in preliminary report.

DAILY INSPECTION LOG:					
Construction Element	MEETS INSPECTION CRITERIA			SEE ENVIROCON REPORT	SEE BELOW
	YES	NO	NA		
Site Preparation					
Erosion Control Installation			X		
Clearing and Grubbing			X		
Load Out Excess Cut			X		
Debris Clear of Excess Soil			X		
Shoreline Stabilization					
Sub-grade Cut and Fill	X			X	X
Demarcation Layer	X			X	X
Select Fill	X			X	X
Filter Fabric	X			X	X
Armor (ODOT Class 100)	X			X	X
Material					
Physical/Chemical Testing of Import Material			X		
Visual Inspection	X			X	X
In-place Moisture Density Testing			X		
Compaction Testing			X		
Grading Inspection					
Final Grade 3H:1V in North Portion of Slope			X		
Final Grade 2H:1V in Southern Portion of Slope			X		
Compaction Testing			X		
Vegetation and Groundcover					
Topsoil			X		
Coir Fabric			X		
Shrubs and Plantings			X		
Mulch			X		
Hydroseeding			X		
Habitat Cover			X		
Jute Matting			X		
Habitat Logs and LWD			X		
COMMENTS:					
Place demarcation layer, filter fabric, and select fill from 4+60 to 6+00. Place second lift of select fill from 7+30 to 5+50. Place armor rock from 7+30 to 6+00. Armor rock delivered to site.					

DAILY INSPECTION LOG CONT'D:

Construction Element	MEETS INSPECTION CRITERIA			SEE ENVIROCON REPORT	SEE BELOW		
	YES	NO	NA				
Temporary Erosion and Sediment Control (TESC)							
TESC Measures	X						
SW Runoff			X				
Surface Water Quality (Tier I: visible sheen and/or turbidity)			X				
Other TESC Measures: _____			X				
Site Conditions							
Equipment	X						
Signage	X						
Restricted Area Fence	X						
Stockpile	X						
Other Site Conditions: _____			X				
Environmental Protection Measures							
Noise Prevention	X						
Dust Prevention	X						
Diesel Exhaust	X						
Prevention of Off-site Tracking of Sediment	X						
Fuel Storage and Fuel Transfers			X				
Fertilizer Application			X				
Other Environmental Protection Measures: _____			X				
Health and Safety							
	YES	NO	SEE ENVIROCON REPORT	SEE BELOW			
Safety Tailgate Meeting	X						
Accidents		X					
Illnesses		X					
Near-miss Incidents		X					
Corrective Action		X					
Other Safety and Health Issues: _____		X					
Day's Activities:							
Toe construction 4+60 to 7+30 (see page 1).							

BY

REVIEWED BY

Douglas Urquhart
ASH CREEK ASSOCIATES REPRESENTATIVE

H. Clough
ASH CREEK ASSOCIATES PROJECT MANAGER

DAILY CONSTRUCTION & CQC REPORT

T4 Wheeler Bay Stabilization - PROJECT #1473800



Weather:		Site Conditions:		Report Information:	
Max Temp: 85	Site Conditions: dry	Date: 9/12/2008			
Min Temp: 60	Winds: Moderate	Week Day: Friday			
	Precipitation: none	Shift: 7AM-3:30PM			

Report Prepared By:

Personnel	WBS Task	Hours	Start	Finish	Equip	No.	Run	Stdby	WBS Task Code	Comments
WES JENSEN	301-302	8	7AM	3:30PM	HM300 ARTIC	Modern	6		302	Place Select Fill
RICK MARTIN	301-303	8	7AM	3:30PM	JD450 DOZER	United	1		302	Slope Grading
MIKE MCCOY	301-304	8	7AM	3:30PM	PC200 EXC.	3366	7		302	Grading/Select Fill/Anchors
MATTHEW PATCHING	301-305	8	7AM	3:30PM	WATER TRUCK	United	7		302	Dust control
SKIP SIMPSON					JD310 BACKHOE	1196	0		302	Transport materials
SUZANNE STARKEY					JD544J Loader	United	6		302	Place Select Fill

DESCRIPTION OF WORK (detail below):

Place select Fill STA's 4+70 to 7+05, not to grade.

Place select Fill STA's 5+50 to 7+05, to grade. Place Armor rock STA's 5+50 to 7+05, to grade.

Placed demarcation, geotextile and as noted below.

Repaired silt fence as needed. Survey and grade checking as needed.

Dust control provided by water truck.

DOWNTIME OR DELAYS:

MATERIAL PLACED:

MATERIAL	STA (START) STA	OFFSET	STA (STOP) STA	OFFSET	QTY.	QTY. TO DATE	APPROVED SOURCE	TECHNICAL SPECIFICATION NO.
Demarcation Layer	4+70		7+05		392 SY	1285 SY	X	Addendum No. 1 312000-4
Select Fill	4+71		7+05		175 CY		X	312000-3 (2.3)
Armor Type 3	7+05		5+50		80 CY		X	312000-3 (2.5)
Habitat Cover								312000-3 (2.6)
Topsoil								329119-2 (2.5)
Colr Fabric								329119-2 (2.2)
Jute Matting								329119-2 (2.1)
Mulch								329300-4 (2.2)
Habitat Logs								353200-3 (3.3)
Shrubs & Plantings								329300
Hydroseeding								329219
Geotextile fabric	4+71		7+05		392 SY	1285 SY	X	

COMMENTS (Material Delivered-Removed/Qty.):

60.3 tons Armor Type 3.

Dust monitoring to resume Monday.

DAILY INSPECTION LOG:

TYPE	TECHNICAL SPECIFICATION NO.	LOCATION / NATURE OF DEFECT	CORRECTIVE ACTION TAKEN OR PROPOSED	COMMENTS
YESC	015713-1.3.C	Silt Fence knocked down by armor rock.	Reinstalled downed sections.	
Signage				
Restricted Area Fence				

SAFETY STATUS:

Accidents (if any):	
Illnesses (if any):	
Near-miss Incidents (if any):	
Corrective Action (if any):	
Other:	

Signature Verifying Above:

Skip Simpson



PROJECT T4 RA PH-1: Wheeler Bay Stabilization CONTRACT NO. 820027/2008D001
CONTRACTOR Ash Creek Associates, Inc./Envirocon SUPERINTENDENT George Lotze
DAY OF WEEK & DATE: Fri., Sept 12, 2008 REPORT NO. 28
WEATHER Sunny TEMPERATURE 55L 81H

NUMBER/CLASS OF CONTRACTOR'S PERSONNEL:Envirocon:

Skip Simpson: Proj Mgr
Rick Martin: Foreman/Surveyor
Matt Patching: Operator
Wes Jensen: Operator
Kevin George: Operator

MAJOR EQUIPMENT ON JOB (Size/capacity and hours):

Kamatsu HM 30 (Off Road Dump Truck-rental)
International Water Truck (4000gal-rental)
John Deere 410 (Backhoe)
Bomag BW177 DH-3 (Single Steel Roller- Rental)
John Deere 450J (Small Dozer-Rental)
Kamatsu PC 200 (Trac-hoe)
John Deere 544 (Front end loader)

CHRONOLOGICAL ACCOUNT OF DAY'S WORK:

(07:00-15:30) Contractor's working hours at Wheeler Bay. Contractor's crews have been working till 18:00 a couple days this week and today worked till 15:30.

NOTE: George Lotze has been off site a couple of weeks on another Environcon project and is not scheduled to return for another couple more weeks. Project mgr. Skip Simpson is the current on-site superintendent during George's absence.

(07:00) Contractor's safety meeting

PC200 continues to place select- mixed habitat backfill (bottom 12") top of fence/geotech fabric, apply water and compact with trac hoe bucket, then place select fill (top 6") and compact material from approx. sta 4+75 to sta 6+25.

PC 200 also placed additional armor rock on 2:1 slope from approx. sta 7+50 to sta 8+10.

JD544 loading HM30 with backfill material and armor rock stockpiled top of slope and hauling to PC200 at toe of slope.

Contractor's surveyor with grade checker verifies each section of backfill fill/finish grade elevations before placing next sectional layer.

Dust abatement (applying water) is applied all day long by water truck, during PC200 & JD544 activities, including all on-site dirt roadways. Port supplied a water meter for Envirocon when filling up water truck using Port owned fire hydrant.

TESTING LABORATORY ON SITE: _____ HRS: _____

TESTS PERFORMED: _____

PHONE LOG:**SITE PHOTOS/VIDEOS TAKEN:****FORCE ACCOUNT WORK/ CHANGES ENCOUNTERED:**



PORT OF PORTLAND

DAILY DIARY

PAGE 2 OF 2

PROJECT T4 RA PH-1: Wheeler Bay Stabilization CONTRACT NO. 820027/2008D001

CONTRACTOR Ash Creek Associates, Inc./Envirocon SUPERINTENDENT George Lotze

DAY OF WEEK & DATE: Fri., Sept 12, 2008 REPORT NO. 28

WEATHER Sunny TEMPERATURE 55L 81H

INSPECTOR Philipp G. Bales HRS DATE 9-12-8
(signature on hardcopy)

ATTACHMENT C
DAILY CONSTRUCTION MONITORING REPORTS FOR THE
TRANSLOADING FACILITY



DAILY QUALITY CONTROL REPORT

Daily Report No. 15

Date: 9/5/08 Fri

Contract No. _____

Project Title: P.O.P. T4 off load

Location: The Dalles

Weather: _____

Temperature: _____ Min. _____ Max

1. Contractor/Subcontractors and Area of Responsibility:

NUMBER	TRADE	HOURS	EMPLOYER	LOCATION/DESCRIPTION OF WORK
<u>5</u>	<u>operator</u>	_____	<u>HME</u>	<u>The Dalles - Derrick crew - off load spoils</u>
<u>1</u>	<u>laborer</u>	_____	<u>D&R Dietrich</u>	<u>Line Truck BEDS before Loading Spoils</u>
<u>1</u>	<u>operator</u>	_____	<u>" "</u>	<u>operate excavator - load spoils in Trucks</u>
<u>6</u>	<u>Trk Drivers</u>	_____	<u>" "</u>	<u>Drive Trucks from the Dalles to waste land</u>
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

2. Operating Plant or Equipment. (Not Hand Tools)

Plant/Equipment	Date of Arrival/Departure	Date of Safety Check	Hours Used	Hours Idle	Hours Repair
<u>SEA Vulture</u>	<u>0600</u>	<u>9/5</u>	<u>10</u>	_____	_____
<u>EXCAVATOR</u>	<u>0600</u>	<u>9/5</u>	<u>10</u>	_____	_____
<u>6 DUMP TRUCKS</u>	<u>0600</u>	<u>9/5</u>	_____	_____	_____
<u>IT28 loader</u>	<u>0600</u>	<u>9/5</u>	<u>2</u>	_____	_____
<u>sewerer</u>	<u>0600</u>	<u>9/5</u>	<u>2</u>	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

1. Work performed today: (Indicate location and description of work performed by prime and/or subcontractors by letter in table above).

Resume off loading Barge #7 - Chetco - loads off Drying agent hauled in today - 2 Truck loads of water hauled out - Put skid steer in Chetco to clean up - Laid new tar mac for Trucks to load on

2. Results of control activities: (Indicate whether P – Preparatory, I – Initial, or F – Follow-up phase. When a P or I meeting is conducted, complete attachment 1-A or 1-B, respectively. When network analysis system is used, identify work by use of I-J numbers.



3. Test performed as required by plans and/or specifications:

Water Quality By others

4. Material received:

5. Submittals Reviewed:

(a) Submittal No.	(b) Spec/Plan Reference	(c) By Whom	(d) Action
<hr/>	<hr/>	<hr/>	<hr/>
<hr/>	<hr/>	<hr/>	<hr/>
<hr/>	<hr/>	<hr/>	<hr/>
<hr/>	<hr/>	<hr/>	<hr/>
<hr/>	<hr/>	<hr/>	<hr/>

6. Offsite surveillance activities, including action taken:

7. Job Safety: (Report violations; corrective instructions given; corrective actions taken).

8. Remarks: (Instructions received or given. Conflict(s) in plans and/or specifications).

Contractor's Verification: On behalf of the Contractor, I certify this report is complete and correct, and all materials and equipment used and work performed during this reporting period are in compliance with the contract plans and specifications, to the best of my knowledge, except as noted above.


Authorized CQC Rep at Site

9/5/08
Date



T-4/ The Dalles Offload Site
Daily Inspection Checklist

Date 9/5/08 FRI

1) Safety Meeting:

Agenda: CLEAN-UP-PICK UP - police your own area

Attendees:

[Signature]
[Signature]
[Signature]
[Signature]
[Signature]

[Signature]
[Signature]
Nathan Soccoray
Aaron Webb
[Signature]
[Signature]

Derrick SEAHORSE



Derrick Sea Vulture



2) Crane Inspection:



"Attach Operator Log/Inspection Log"

3) Plant Inspection



Deficiencies:

Date

Date
Corrected

Crane WAS BOOMED Down
& Boom serviced & safety
checked - lights - Bolt S etc

9/5

9/5

4) Staff Gage Check



Time

Tideboard

Tide Track

5) Main Fuel Tank Levels



Port

Starboard

Height

Gallons

Consumption per day

50

6) Survey Boat

Fuel

Port

Starboard



Null Depth

Sound Velocity

Latency

Boat

X

Y

Control Point

X

Y

7) Dredge Material Weight



_____ pounds per cubic foot

8) Dredge Boom Tip Verification

X _____

Y _____

Control Point

X _____

Y _____

9) Containment and Truck Load Area

Clean



Dust Suppression



Fabric

Spill Plates

10) Lash Barge:

Keep within 2 ft of trim

Draft

PB _____

SB _____

PS _____

SS _____

Tank Sounding

#1 _____

#3 _____

#2 _____

#4 _____

11) Baker Tank Level

#1 690 pumped
TO DAY off chetco

#2 2 loads hauled out to land fill 20.69 Ton;

12) De con Stations

Clean



Inventory





HICKEY MARINE ENTERPRISES

6801 NW Old Lower River Road
Vancouver, WA 98660
(360) 695-4553 (503) 284-1140

M	T	W	TH	F	S	S
---	---	---	----	----------	---	---

Job Name T-4 offload Dallahs Date 9-5-08

Job No. _____ Weather _____

Equipment: ☐ Sea Hawk ☒ Sea Vulture ☐ Sea Lion ☐ Viking ☐ 966 Loader ☒ Chetco

☐ Barge 174 ☒ Barge 34 ☐ K5 ☐ Nova ☐ Barge 47 ☐ Barge Harvey A

☐ Manlift ☐ Other IT-28 Bobcat

Equipment Safety Checks Performed? Yes / No

Personal Protective Equipment Safety Checks Performed? Yes / No

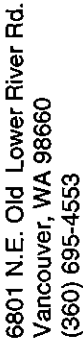
Work performed today

05:45 - 06:00	Safety meeting
06:00 - 06:20	Fix up
06:20 - 13:25	mix + load
13:25 - 14:00	40 hr Service
14:00 - 15:50	mix + load
15:50 - 16:00	Secure

No ho

Extra work or delays (authorized by)

Sign _____



OR. X WA. _____

JOB

[illegible][illegible]

		DAILY TOTALS												MILEAGE OWED												PER DIEM OWED																							
TYPE OF EQUIPMENT		NAME												TO / FROM												NAME												# OF DAYS											
Sea Hawk																																																	
Sea Vulture ✓																																																	
Sea Lion																																																	
Viking																																																	
Nova																																																	
Materials Barge: chetco																																																	
Other: IT 28 Bobcat																																																	
TOTALS																																																	

Project: T-4 Offload

Date: 9-5-08

Gallons of Diesel used 50

Barge Displacements

Start of Shift (Water Tank 47") Time: 0820

Load # <u>7</u> (Barge Name)	Drafts		Tonnage
Load # 7	3.5	4	
Chetco	12	12.5	

End of Shift (Water Tank 10") Time: _____

Load # <u>7</u> (Barge Name)	Drafts		Tonnage
Load # 7	3.2	3.3	
Chetco	7.0	7.1	

of Gallons of
water pumped

690

Total Tons
Offloaded

1276.41

Wasco County Landfill
WASCO COUNTY LANDFILL
The Dalles, OR 97058

000245	Site	40	
HICKEY MARINE ENTERPRISES		Ticket	013946
PORT OF PORTLAND-LIQ		Date In	09/05/08
6801 OLD LOWER RD		Time In	12:53
VANCOUVER WA 98660		Date Out	09/05/08
	Time Out	13:07	

Weighmaster Linda	Ref. WATER
Origin WASH ST	Grid

DESCRIPTION

Scale 1 Gross Wt.	55780 LB	Vehicle	TRAIL
Scale 1 Tare Wt.	35440 LB	Roll-Off	
Net Wt.	20340 LB	TON	10.17

LIQUIDS/SEMI-SOLIDS per TON

PO #
NOTE
DRIVER THERMO FLUID

BY SIGNING THIS, I CERTIFY THAT THIS DIPOSAL MATERIAL
ORIGINATED IN THE COUNTY/STATE AS STATED ABOVE. I ALSO
CERTIFY THAT TO THE BEST OF MY KNOWLEDGE THIS LOAD
CONTAINS NO HAZARDOUS OR SPECIAL WASTE.

Signature

Wasco County Landfill
WASCO COUNTY LANDFILL
The Dalles, OR 97058

000245 Site 40
HICKEY MARINE ENTERPRISES Ticket 013928
PORT OF PORTLAND-LIQ Date In 09/05/08
6801 OLD LOWER RD Time In 11:39
VANCOUVER WA 98660 Date Out 09/05/08
Time Out 11:54

Weighmaster Linda Ref. WATER
Origin WASH ST Grid

DESCRIPTION

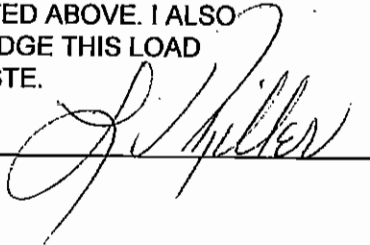
Scale 1 Gross Wt. 56580 LB	Vehicle TRAIL
Scale 1 Tare Wt. 35540 LB	Roll-Off
Net Wt. 21040 LB	TON 10.52

LIQUIDS/SEMI-SOLIDS per TON

PO #
NOTE
DRIVER THERMO FLUID

BY SIGNING THIS, I CERTIFY THAT THIS DISPOSAL MATERIAL
ORIGINATED IN THE COUNTY/STATE AS STATED ABOVE. I ALSO
CERTIFY THAT TO THE BEST OF MY KNOWLEDGE THIS LOAD
CONTAINS NO HAZARDOUS OR SPECIAL WASTE.

Signature _____



HICKEY MARINE ENTERPRISES, INC.			
PORT OF PORTLAND T-4			
DATE	09/05/08		
DATE	TICKET #	MATERIAL	WEIGHT
9/5/2008	13873	SPEC-OTH	33.27
9/5/2008	13876	SPEC-OTH	34.96
9/5/2008	13877	SPEC-OTH	32.88
9/5/2008	13880	SPEC-OTH	34.33
9/5/2008	13887	SPEC-OTH	31.07
9/5/2008	13890	SPEC-OTH	33.74
9/5/2008	13894	SPEC-OTH	35.62
9/5/2008	13898	SPEC-OTH	34.38
9/5/2008	13901	SPEC-OTH	33.12
9/5/2008	13904	SPEC-OTH	31.83
9/5/2008	13906	SPEC-OTH	31.98
9/5/2008	13909	SPEC-OTH	33.34
9/5/2008	13912	SPEC-OTH	33.62
9/5/2008	13915	SPEC-OTH	34.12
9/5/2008	13917	SPEC-OTH	32.45
9/5/2008	13919	SPEC-OTH	32.56
9/5/2008	13923	SPEC-OTH	33.63
9/5/2008	13925	SPEC-OTH	30.90
9/5/2008	13927	SPEC-OTH	33.39
9/5/2008	13939	SPEC-OTH	33.45
9/5/2008	13943	SPEC-OTH	32.45
9/5/2008	13945	SPEC-OTH	33.49
9/5/2008	13950	SPEC-OTH	34.18
9/5/2008	13958	SPEC-OTH	34.44
9/5/2008	13961	SPEC-OTH	34.33
9/5/2008	13964	SPEC-OTH	33.61
9/5/2008	13967	SPEC-OTH	33.27
9/5/2008	13970	SPEC-OTH	31.28
9/5/2008	13973	SPEC-OTH	33.55
9/5/2008	13975	SPEC-OTH	30.12
9/5/2008	13976	SPEC-OTH	32.96
9/5/2008	13979	SPEC-OTH	34.22
9/5/2008	13982	SPEC-OTH	33.11
9/5/2008	13983	SPEC-OTH	32.47
9/5/2008	13986	SPEC-OTH	33.95
9/5/2008	139885	SPEC-OTH	32.18
9/5/2008	13987	SPEC-OTH	32.16

TOTAL TONS		1,226.41	
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Work Hours: 6:00 to 16:00

Tides:	Time	Height

Visitors: _____

[illegible]

Construction activities detailed on following page.

Project Engineer

Diary (continued)

Date: 9/8/08

Report Number: 16

5:45 Arrive at site. Safety meeting (Doug Larsen, HME, West Coast Marine Cleaning). Safety meeting topic was slips and trips. Drying agent is expected to arrive about 8:30 and the next barge should be here about 8:00. The Chetco is still on-site and containing material that has been spread out and drying all weekend. Trucks are expected to arrive at 6:30. Clear, still, 54 degrees Fahrenheit.

6:23 Trucks 41, 22, and 9519 on-site.

6:33 Unloading four pallets of plastic liners from truck 41. 47 degrees Fahrenheit.

6:44 1st truck on loading pad (22).

6:54 Street sweeping cleaning site. 2nd truck on loading pad (9519).

6:57 1st truck covered and out (22). New employee from HME on-site.

7:03 2nd truck covered and out (9519). 3rd truck on loading pad (41). Drying agent added to mixing bin. Doug off-site.

7:23 3rd truck covered and out (41). 4th truck on loading pad (20).

7:31 4th truck covered and out (20). Doug on-site. Cleaning loading pad with street sweeper.

7:43 New barge, Umpqua, arrives.

8:01 5th truck on loading pad (19).

8:07 1st load of drying agent arrives (51). This is the fluffy, white coarser material.

8:15 5th truck covered and out (19). 6th truck on loading pad (22)

8:20 2nd load of drying agent arrives (46). Same material as was delivered at 8:07.

8:30 Phone call to Rick Schwarz confirming soil sampling and labeling scheme. Soil sampling will take place today.

8:32 6th truck covered and out (22). 7th truck on loading pad (9519).

8:42 7th truck covered and out (9519).

8:47 Soil Sample S-02 taken.

8:51 8th truck on loading pad (20). Soil sample S-03 taken.

8:56 Soil sample S-04 taken.

9:02 8th truck covered and out (20). 3rd truck of drying agent arrives (13). Same material as at 8:07.

9:04 Soil sample S-01 taken

9:15 9th truck covered and out (41). 10th truck on loading pad (46).

9:26 10th truck covered and out (46).

9:43 11th truck on loading pad (19).

9:51 Soil sample S-05 taken.

9:54 11th truck covered and out (19).

9:58 Soil sample S-06 taken.

10:00 Phone call from Rick Schwarz regarding decon of barges. The Chetco will not be used any more for this project after it is unloaded. We need to document and observe its decon method and inspect it before it leaves.

10:15 12th truck on loading pad (9519). Trucks 20 and 22 on-site.

10:24 12th truck covered and out (9519). 13th truck on loading pad (22). The Umpqua has moved in between the Chetco and crane barge. (pictures).

10:25 Voice mail from Rick Schwarz regarding decon of barges. Now HME will not be deconning the barge, but instead will be scraping off material from the inside on-site and deconning elsewhere. If this is the case, it is not necessary to document and observe. (some pictures from a distance of bobcat scraping Chetco).

10:34 13th truck covered and out (22). 14th truck on loading pad (20).

10:51 14th truck covered and out (20). 15th truck on loading pad (41).

10:59 15th truck covered and out (41). Adding drying agent to mixing bin.

11:06 16th truck on loading pad (46). New dump truck on-site (25).

Diary (continued)

Date:9/8/08

Report Number: 16

11:12 Water Quality team observed on-station down river.
11:20 16th truck covered and out (46). 17th truck on loading pad (25).
11:32 17th truck covered and out (25). 18th truck on loading pad (19).
11:42 18th truck covered and out (19).
11:59 19th truck on loading pad (9519).
12:02 Unloading Bobcat from Chetco.
12:08 19th truck covered and out (9519). 20th truck on loading pad (22). Chetco departs downriver, having been only scraped and not deconned on-site.
12:21 20th truck covered and out (22). 21st truck on loading pad (20). Adding drying agent to mixing bin. Trucks 41 and 46 on-site.
12:40 21st truck covered and out (20). 22nd truck on loading pad (41).
12:52 22nd truck covered and out (41). 23rd truck on loading pad (46).
13:07 23rd truck covered and out (46). 24th truck on loading pad (25).
13:26 24th truck covered and out (25). 25th truck on loading pad (19). Trucks 9519 and 22 on-site.
13:36 Water quality team arrives to get trailer and take boat back to Portland. They report everything went well today.
13:43 25th truck covered and out (19). 26th truck on loading pad (9519).
13:52 26th truck covered and out (9519). 27th truck on loading pad (22).
14:03 27th truck covered and out (22). 28th truck on loading pad (20).
14:20 Tanker truck on-site to refuel excavator. 28th truck covered and out (20). 29th truck on loading pad (41).
14:30 29th truck covered and out (41). 30th truck on loading pad (46). Street sweeper cleaning site.
14:39 30th truck covered and out (46). Refueling excavator.
14:49 31st truck on loading pad (25).
14:58 31st truck covered and out (25). Adding drying agent to mixing bin.
15:03 32nd truck on loading pad (19). Trucks 9519 and 22 on-site.
15:15 32nd truck covered and out (19). Courier departs with six soil samples. 33rd truck on loading pad (9519).
15:24 33rd truck covered and out (9519). 34th truck on loading pad (22).
15:41 34th truck covered and out (22). Street sweeper cleaning loading pad.
15:51 Final touch ups and work is done for the day. Clean up and go home.

Wes MacDonald

Resident Engineer

Rick SchwarzProject Engineer



DAILY QUALITY CONTROL REPORT

Daily Report No. 15

Date: 9/8/08 - MON

Contract No. _____

Project Title: P.O.P. T4 off load

Location: The Dalkes

Weather: Clear & hot

Temperature: 72° Min. 92° Max

1. Contractor/Subcontractors and Area of Responsibility:

NUMBER	TRADE	HOURS	EMPLOYER	LOCATION/DESCRIPTION OF WORK
<u>6</u>	<u>operators</u>		<u>HME</u>	<u>off load spoils @ The Dalkes</u>
<u>1</u>	<u>operator</u>		<u>D/R Dietrich</u>	<u>Excavator operator - load spoils into Dump Trk.</u>
<u>1</u>	<u>laborer</u>		<u>" "</u>	<u>Line Dump Trks</u>
<u>6</u>	<u>Trk Drivers</u>		<u>" "</u>	<u>haul spoils from the Dalkes to Lasco Landfill</u>

2. Operating Plant or Equipment. (Not Hand Tools)

Plant/Equipment	Date of Arrival/Departure	Date of Safety Check	Hours Used	Hours Idle	Hours Repair
<u>Sea Vulture</u>	<u>0600-9/8</u>	<u>9/8</u>			
<u>6 Dump Trucks</u>	<u>0630-9/8</u>	<u>9/8</u>			
<u>Excavator</u>	<u>0630-9/8</u>	<u>9/8</u>			
<u>6 Loader</u>	<u>0600-9/8</u>	<u>9/8</u>	<u>2</u>		
<u>Sweeper</u>	<u>0600-9/8</u>	<u>9/8</u>	<u>2</u>		
<u>skid steer</u>	<u>0600-9/8</u>	<u>9/8</u>	<u>4</u>		

1. Work performed today: (Indicate location and description of work performed by prime and/or subcontractors by letter in table above).

Finish off loading Barge 7 - (cheeo) & Begin off loading barge #8 (umpgua).
a skid steer was used to clean up cheeo. No water transported today.

2. Results of control activities: (Indicate whether P – Preparatory, I – Initial, or F – Follow-up phase. When a P or I meeting is conducted, complete attachment 1-A or 1-B, respectively. When network analysis system is used, identify work by use of I-J numbers.

3. Test performed as required by plans and/or specifications:

Water Quality By others

4. Material received:

5. Submittals Reviewed:

(a) Submittal No.	(b) Spec/Plan Reference	(c) By Whom	(d) Action
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

6. Offsite surveillance activities, including action taken:

7. Job Safety: (Report violations; corrective instructions given; corrective actions taken).

Job safety orientation given to new person on HME crew - sent up for the day to help clean up Chetco.

8. Remarks: (Instructions received or given. Conflict(s) in plans and/or specifications).

Contractor's Verification: On behalf of the Contractor, I certify this report is complete and correct, and all materials and equipment used and work performed during this reporting period are in compliance with the contract plans and specifications, to the best of my knowledge, except as noted above.


Authorized CQC Rep at Site

9/8/08
Date



HICKEY MARINE ENTERPRISES

6801 NW Old Lower River Road
Vancouver, WA 98660
(360) 695-4553 (503) 284-1140

M T W T H F S S

Job Name T-4 - offload Diller Date Sept 8 2008

Job No. _____ Weather _____

Equipment: ☐ Sea Hawk ☒ Sea Vulture ☐ Sea Lion ☐ Viking ☐ 966 Loader ☒ Chetco

☐ Barge 174 ☒ Barge 34 ☐ BK5 ☐ Nova ☐ Barge 47 ☐ Barge Harvey A

☐ Manlift ☐ Other IT-28 Bobcat, AMPQUA

Equipment Safety Checks Performed? Yes/No

Personal Protective Equipment Safety Checks Performed? Yes/No

Work performed today

05:45 - 06:00	Safety meeting
06:00 - 06:20	Fire up
06:20 - 10:00	Mix + Load
10:00 - 10:30	Finish chutes Switch Barges chetco for AMPQUA
10:30 - 15:40	Mix + Load Trucks - AMPQUA
15:40 - 16:00	Fuel, Service Truck + Service

Extra work or delays (authorized by)

Sign _____



T-4/ The Dalles Offload Site
Daily Inspection Checklist

Date 9/8/08 - MON

1) Safety Meeting:

Agenda: Slips, Trips & Fall - Beware of potential hazards

Attendees:

Doug Lee
Brett Tucker
David R. Elward
Nedley M. Dyer
Net 2

John T. B.
Paul J. B.
Colleen Mullins
Tim Harvey
Arnon Webb
Richard J. Gray
Todd Eubank

Derrick SEAHORSE



Derrick Sea Vulture



2) Crane Inspection:



"Attach Operator Log/Inspection Log"

3) Plant Inspection



Deficiencies:

Date

Date
Corrected

4) Staff Gage Check



Time

Tideboard

Tide Track

5) Main Fuel Tank Levels



Port

Starboard

Height

Gallons

Consumption per day

53 gnl

6) Survey Boat



Fuel



Port _____

Starboard _____

Hull Depth _____

Sound Velocity _____

Latency _____

Position Verification

Boat

X _____

Y _____

Control Point

X _____

Y _____

7) Dredge Material Weight



_____ pounds per cubic foot

8) Dredge Boom Tip Verification

X _____

Y _____

Control Point

X _____

Y _____

9) Containment and Truck Load Area

Clean



Dust Suppression



Fabric



Spill Plates



10) Lash Barge:

Keep within 2 ft of trim

Draft

PB _____

SB _____

PS _____

SS _____

Tank Sounding

#1 _____

#3 _____

#2 _____

#4 _____

11) Baker Tank Level

#1 6210 pumped
off imp 2014#2 none shipped

12) De con Stations

Clean



Inventory



FOREMAN'S DAILY TIME REPORT

6801 N.E. Old Lower River Rd.
Vancouver, WA 98660
(360) 695-4553

DATE 9-8 20 05

Mo	T	W	TH	F	S
---------------	---	---	----	---	---

OR. X WA. _____

Description Of Work	7-1/2 offload

[illegible][illegible]

TYPE OF EQUIPMENT	NAME	MILEAGE OWED	TO / FROM	PER DIEM OWED	
				NAME	# OF DAYS
Sea Hawk					
Sea Vulture ✓					
Sea Lion					
Viking					
Nova					
Materials Barge: <i>Umpqua / Chetco</i>					
Other: <i>IT28 Bobcat</i>					
TOTALS					

Project: T-4 Offload

Date: 9-8-08

Gallons of Diesel used 5.3 gallons

Barge Displacements

Load #7 Empty Drafts 3.5 3.5
Chetco 9-8-08 Time 1015 3.3 3.3

Start of Shift (Water Tank 10) Time: 0630

Load # (Barge Name)	Drafts		Tonnage
Load #8	10.9	10.8	
Umpqua	10.5	10.4	

End of Shift (Water Tank 64) Time: 1556

Load # (Barge Name)	Drafts		Tonnage
Load #8	5.3	4.8	
Umpqua	11.5	11.0	

of Gallons of
water pumped

6210

Total Tons
Offloaded

1123.74

HICKEY MARINE ENTERPRISES, INC.**PORT OF PORTLAND T-4****DATE** 09/08/08

DATE	TICKET #	MATERIAL	WEIGHT
9/8/2008	14019	SPEC-OTH	33.38
9/8/2008	14020	SPEC-OTH	30.38
9/8/2008	14024	SPEC-OTH	34.04
9/8/2008	14025	SPEC-OTH	33.24
9/8/2008	14033	SPEC-OTH	32.72
9/8/2008	14036	SPEC-OTH	34.95
9/8/2008	14039	SPEC-OTH	30.90
9/8/2008	14040	SPEC-OTH	33.79
9/8/2008	14043	SPEC-OTH	34.05
9/8/2008	14045	SPEC-OTH	32.17
9/8/2008	14050	SPEC-OTH	32.93
9/8/2008	14057	SPEC-OTH	31.54
9/8/2008	14058	SPEC-OTH	33.88
9/8/2008	14062	SPEC-OTH	33.67
9/8/2008	14064	SPEC-OTH	34.09
9/8/2008	14065	SPEC-OTH	33.53
9/8/2008	14067	SPEC-OTH	30.47
9/8/2008	14070	SPEC-OTH	36.00
9/8/2008	14074	SPEC-OTH	30.75
9/8/2008	14075	SPEC-OTH	35.29
9/8/2008	14077	SPEC-OTH	33.86
9/8/2008	14080	SPEC-OTH	33.72
9/8/2008	14084	SPEC-OTH	32.11
9/8/2008	14088	SPEC-OTH	31.87
9/8/2008	14091	SPEC-OTH	33.53
9/8/2008	14093	SPEC-OTH	30.21
9/8/2008	14095	SPEC-OTH	34.19
9/8/2008	14099	SPEC-OTH	34.35
9/8/2008	14102	SPEC-OTH	33.85
9/8/2008	14104	SPEC-OTH	32.02
9/8/2008	14108	SPEC-OTH	36.32
9/8/2008	14110	SPEC-OTH	32.84
9/8/2008	14112	SPEC-OTH	33.83
9/8/2008	14114	SPEC-OTH	29.27
TOTAL TONS			1,123.74

Hickey Marine Enterprises
Daily Preventative Maintenance Checklist

MANITOWOC CRANE 4600

USUAL CHECKS:

WEEK OF: 9-1-08

NO	ITEM TO BE CHECKED	INITIAL EACH ITEM AS CHECKED				
		DATE	9/2	9/3	9/4	9/5
1	Broken or cracked glass. Clean if needed.		G	G	G	G
2	Damaged or missing sheet metal, guards, gear, or chain case covers.		G	G	G	G
3	Drive chains & sprockets for cracked or broken pieces.		G	G	G	G
4	Oil or coolant leaking below rotating bed or car body.		G	G	G	G
5	Roller path, house rollers, hook rollers for chips or cracks.		G	G	G	G
6	Boom hoist, whip line & hoist wire rope - pendants - load blocks - sheaves.		G	G	G	G
7	Fuel tank(s) - fuel gauges - hoses & connections.		G	G	G	G
8	Limit devices - boom/mast stops - drum pawls.		G	G	G	G
9	Control valves - lever & linkage - instrument panel(s)		G	G	G	G
10	Fire extinguisher available in working order.		G	G	G	G
11	Drain air tank of water.		G	G	G	G
12	Inspect boom and gantry.		G	G	G	G
13	Check all brakes.		G	G	G	G

PREVENTATIVE MAINTENANCE CHECKLIST

NO	ITEM TO BE CHECKED	PROCEDURE	INITIAL EACH ITEM AS CHECKED				
			DATE	9/2	9/3	9/4	9/5
1	Radiator coolant	Check level, add when necessary		G	G	G	G
2	Controlled converter fluid	Check reservoir, add oil when necessary		G	G	G	G
3	Hydraulic system(s) level			G	G	G	G
4	Gear case lube	Check level, add when necessary		G	G	G	G
5	"Cuna" oil filter(s)	Turn handle TWICE DAILY		G	G	G	G
6	Engine oil	Check level, add oil when necessary		G	G	G	G
7	Transmission and/or chain case or reservoir			G	G	G	G
8	Rotating bed sump (drain off water daily)			G	G	G	G
9	Converter input and/or output housing(s)			G	G	G	G
10	Air compressor (air leaks, etc.)			G	G	G	G
11	Observe all gauges (working order)			G	G	G	G
12	Mancage inspection & test			N/A			
13	Check for missing pins and/or bolts			G	G	G	G

DATE	ITEM OR DISCREPANCY	DATE CORRECTED	INITIAL
9/2/08	Reedsport - T-4 Dallas		
9/4/08	Chetco		
9/5/08	Inspect Boom + Gantry		



Work Hours: 6:00 to

Tides:	Time	Height

Visitors:

[illegible]

Construction activities detailed on following page.

Project Engineer

5:45 Safety meeting (Doug Larsen, HME, West Coast Marine Cleaning). Safety meeting topic was hydration, with warmer weather lately remember to stay hydrated. Partly cloudy and still, 50° F. HME gearing up for trucks (2 on-site – 41 and 46). The excavator will be down at some point today while it is traded out for another one.

6:00 Operations underway. 1st truck on loading pad (46).

6:21 1st truck covered and out (46). 2nd truck on loading pad (41).

6:31 2nd truck covered and out (41). 3rd truck on loading pad (19).

6:40 3rd truck covered and out (19). 4th truck on loading pad (22).

6:48 4th truck covered and out (22) with a little water slowly dripping from bed. 5th truck on loading pad (9519).

7:06 5th truck covered and out (9519). 6th truck on loading pad (20).

7:15 6th truck covered and out (20) with some water slowly dripping from middle of bed door. 7th truck on loading pad (25).

7:30 7th truck covered and out (25). Spoke with Doug about slow water drip observed in a couple trucks. There is lots of debris in the material from the barge and the liners could be getting torn. The liners will be placed with more care now and the bolts on the truck doors will be sure to be tightened as much as possible. There was also very little drying agent left at this time. The street sweeper is cleaning the site, specifically the area the trucks take between the loading pad and exit.

7:48 8th truck on loading pad (46).

7:57 8th truck covered and out (46). Doug off-site. Trucks 41 and 19 on-site.

8:05 1st truck of drying agent arrives (51). It is dumping the white coarse material.

8:12 9th truck covered and out (41). Trucks 22 and 9519 on-site.

8:29 2nd truck of drying agent arrives (13) dumping same material as at 8:05.

8:32 10th truck covered and out (19). 11th truck on loading pad (22).

8:43 11th truck covered and out (22). 12th truck on loading pad (9519). Doug on-site.

8:57 Sea Vulture moving Bobcat onto Umpqua.

8:59 12th truck covered and out (9519). 13th truck on loading pad (20).

9:07 13th truck covered and out (20). 14th truck on loading pad (25).

9:16 14th truck covered and out (25). 15th truck on loading pad (46). Street sweeper cleaning site.

9:26 15th truck covered and out (46).

9:31 16th truck on loading pad (41).

9:44 16th truck covered and out (41).

9:54 Doug informs me that a new driver that just started yesterday had been keeping the extra axle down and extending the pup trailer bar on-site and creating some tracking. The drivers have explained to the new driver when and where to lift the axle and extend the bar.

10:03 17th truck covered and out (19). 18th truck on loading pad (22).

10:15 18th truck covered and out (22). 19th truck on loading pad (9519).

10:26 Wasco County Landfill tanker truck on-site to pump off water from barge.

10:31 19th truck covered and out (9519). 20th truck on loading pad (20).

10:39 20th truck covered and out (20). Tanker truck off-site. Adding drying agent to mixing bin. 21st truck on loading pad (25).

10:51 21st truck covered and out (25). 22nd truck on loading pad (46). Street sweeper cleaning site.

11:02 22nd truck covered and out (46).

11:10 An excavator has arrived to switch places with the one currently used. The old one is rinsed off in its working position before being moved. The new one is unloaded from a flatbed truck on the main road and driven down the hill. The tracks tear up some of the asphalt on the road and on the site. The street sweeper was used to follow the excavators and collect material knocked off. The fabric underneath the excavator's loading position was replaced. (pictures)

11:33 2nd Wasco County Landfill tanker truck arrives to pump water off of barge.

11:39 23rd truck on loading pad (41).

11:51 23rd truck covered and out (41). 24th truck on loading pad (22).

12:02 24th truck covered and out (22). 25th truck on loading pad (19).

12:16 25th truck covered and out (19). 26th truck on loading pad (9519). Trucks 46, 25, and 20 on-site.

12:29 26th truck covered and out (9519). 27th truck on loading pad (20). Increasing winds 81°F.

12:37 27th truck covered and out (20). 28th truck on loading pad (25).

12:43 3rd Wasco County Landfill tanker truck arrives to pump water off of barge.

12:46 28th truck covered and out (25). 29th truck on loading pad (46).

13:00 Received yesterday's records from HME. Doug says the Umpqua should be empty after working the rest of the day and a few hours tomorrow. Some trucks are being cut back since the next barge hasn't left Portland yet.

13:02 29th truck covered and out (46).

13:10 30th truck on loading pad (41).

13:13 3rd truck of drying agent arrives (51) dumping same material as at 8:05.

13:23 30th truck covered and out (41). 31st truck on loading pad (22).

13:39 31st truck covered and out (22). Street sweeper cleaning the site.

13:45 4th truck of drying agent arrives (13) dumping same material as at 8:05.

13:53 Sanitation truck on-site to clean port-a-potties. 4rd Wasco County Landfill tanker truck arrives to pump water off of barge.

14:05 32nd truck on loading pad (9519).

14:16 32nd truck covered and out (9519). 33rd truck on loading pad (20). Tanker truck on-site to refuel excavator.

14:24 33rd truck covered and out (20).

14:31 34th truck on loading pad (46).

14:41 34th truck covered and out (46). Street sweeper cleaning the loading pad.

15:03 35th truck covered and out (41). 36th truck on loading pad (22).

15:20 36th truck covered and out (22).

15:45 Done for the day. Cleaning up and going home. Doug says there is about a half days worth of material left on the Umpqua.

Doug Larsen reported (morning of 9/10) that truck 19 was involved in a minor accident yesterday during one of the landfill trips. There were reportedly no injuries and no loss of material.

Wes MacDonald

Resident Engineer

Rick Schwarz

Project Engineer



Daily Construction Report Number:

Anchor Personnel On Site: 13:40 to 15:30

Project Number: 050332-01 Day: Tuesday Date: 9/9/08
Weather : Sunny, Calm : 78 °F
Hickey Marine Enterprises
Contractor: (HME) Sub: West Coast Marine Cleaning
Contractors Rep and Title: Dave Godel, Health and Safety Supervisor, HME
Project Pictures? ☒ Yes ☐ No Subject: Decontamination Procedure Documentation
Personnel: Anchor: Gabe Nagler, Doug Laffoon; HME: Cliff Larson, Dave Godel
West Coast Marine Cleaning: Kevin Stumper

Diary (Report of Day's Operations, Orders given and received, discussions with contractor, visitors, unusual conditions, major material deliveries, delays)

Chetco barge preliminary decontamination completed at transloading facility located in The Dalles on September 8th, 2008 using street sweeper. Barge arrived at Hickey Marine Enterprises yard in Vancouver, Washington on September 9th, 2008 for final decontamination. Final decontamination was performed by West Coast Marine Cleaning using two Karcher, 5000 psi pressure washers with roto-tip nozzles (Figure 1). Power washing commenced on the Chetco at 10:30 and was completed at 14:30.

Anchor monitoring personnel, Gabe Nagler and Doug Laffoon, arrived on site at 13:40 to begin observation of Chetco decontamination. Nagler and Laffoon were met by Hickey Marine Health and Safety Supervisor Dave Godel upon arrival on site. Anchor monitors boarded Chetco at 13:45. Power washing was 85% complete at the time of arrival. Kevin Stumper of West Coast Marine Cleaning led power washing operations on barge. Rinsate from power washing operations was collected in the port-aft quarter of the Chetco barge by listing and subsequently pumped via diaphragm pump to hold #3 of the water collection barge for future disposal. See Figures 2 and 3. Sediment collected during final decontamination of Chetco was transferred to the Reedsport barge for transport to The Dalles and disposal in Wasco County Landfill. Rinsate removal and decontamination of the Chetco completed at 15:35. See Figure 4. Near the conclusion of the event, Cliff Larson, owner of Hickey Marine met with Anchor monitors and Kevin Stumper to review final decontamination. No rinsate was observed escaping the Chetco barge during or after decontamination procedures. Chetco barge was free of all observable standing water, sediment and dust following completion of decontamination.

Gabe Nagler/Doug Laffoon

Monitoring Personnel

John Verduin

Project Engineer



Figure 1. Power washing of Chetco barge.



Figure 2. Diaphragm pump in water holding barge pumping rinsate from Chetco barge.

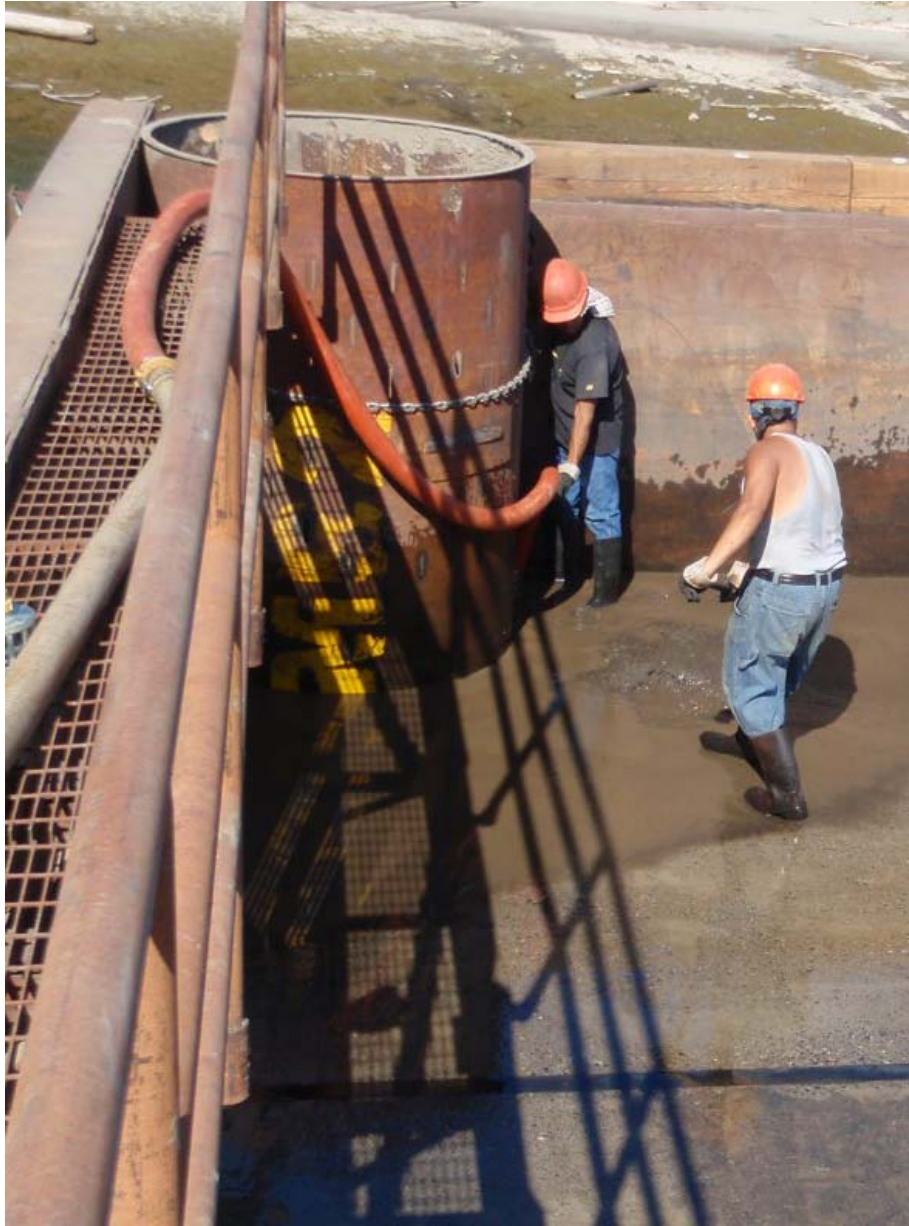


Figure 3. Pumping of powerwash rinsate on barge Chetco.



Figure 4. Clean, decontaminated Chetco barge.



DAILY QUALITY CONTROL REPORT

Daily Report No. 16

Date: 9/9/08 Tue

Contract No. _____

Project Title: P.O.P. T4 off load

Location: The Dalles

Weather: _____

Temperature: _____ Min. _____ Max

1. Contractor/Subcontractors and Area of Responsibility:

NUMBER	TRADE	HOURS	EMPLOYER	LOCATION/DESCRIPTION OF WORK
<u>5</u>	<u>operators</u>	_____	<u>HME</u>	<u>Derrick crew - off load spoils</u>
<u>1</u>	<u>operator</u>	_____	<u>D&R Dietrich</u>	<u>Load spoils into Dump Trucks</u>
<u>1</u>	<u>Laborer</u>	_____	<u>" "</u>	<u>Line Dump Truck Bed's</u>
<u>6</u>	<u>Trk Drivers</u>	_____	<u>" "</u>	<u>haul spoils to Landfill from The Dalles</u>
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

2. Operating Plant or Equipment. (Not Hand Tools)

Plant/Equipment	Date of Arrival/Departure	Date of Safety Check	Hours Used	Hours Idle	Hours Repair
<u>SEA VULTURE</u>	<u>0600/9/9/08</u>	<u>9/9/08</u>	_____	_____	_____
<u>6 Dump Trucks</u>	_____	_____	_____	_____	_____
<u>1 excavator</u>	_____	_____	_____	_____	_____
<u>1 skid steer</u>	_____	_____	_____	_____	_____
<u>1 sweeper</u>	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____

1. Work performed today: (Indicate location and description of work performed by prime and/or subcontractors by letter in table above).

Unloading Barge #8 (umpqua) De-watering AS NECESSARY. MECHANICAL ISSUES forced switching EXCAVATORS TO DAY. A NEW TARMAC WAS LAID where the EXCAVATOR sits. OLD excavator WAS WASHED in containment area before being ABLE TO leave. 7 loads of water shipped TODAY. Loads of Drying Agent brought in

2. Results of control activities: (Indicate whether P – Preparatory, I – Initial, or F – Follow-up phase. When a P or I meeting is conducted, complete attachment 1-A or 1-B, respectively. When network analysis system is used, identify work by use of I-J numbers.

3. Test performed as required by plans and/or specifications:

4. Material received:

5. Submittals Reviewed:

(a) Submittal No.	(b) Spec/Plan Reference	(c) By Whom	(d) Action
-------------------	-------------------------	-------------	------------


6. Offsite surveillance activities, including action taken:

7. Job Safety: (Report violations; corrective instructions given; corrective actions taken).

8. Remarks: (Instructions received or given. Conflict(s) in plans and/or specifications).

Truck #19 was involved in a minor accident. Driver was not at fault or cited. Driver was given a D.O.T. Drug Test according to Employer's D.O.T. rules - Briefly - while at a stop sign with turn (RT) signal on - a car was able to back slip between truck & guard rail with out TRK Driver seeing vehicle - as truck began to move the trail touched or hit car - The owner didn't want to stop but Driver was able to get info from her.

Contractor's Verification: On behalf of the Contractor, I certify this report is complete and correct, and all materials and equipment used and work performed during this reporting period are in compliance with the contract plans and specifications, to the best of my knowledge, except as noted above.


 Authorized CQC Rep at Site

9/9/08
 Date



Daily Inspection Checklist

Date 9/9/08 Tue

1) Safety Meeting:

Agenda: Hydration - Hot weather & East winds

Attendees:

Bret Tucker
Daniel R. Leonard
Todd Embury
Bryant K. Kelly
Nicky M. Doherty

Don Filer Colleen Mullin
Mark D.
ETB
Doug A.
Aggie Webb
James Baill
Tim Harvey
Joe M.

Derrick SEAHORSE



Derrick Sea Vulture



2) Crane Inspection:



"Attach Operator Log/Inspection Log"

3) Plant Inspection



Deficiencies:

Date

Date
Corrected

check & secure moving
machinery guards

9/9

9/9

4) Staff Gage Check



Time

Tideboard

Tide Track

5) Main Fuel Tank Levels



Port

Starboard

Height

Gallons

Consumption per day 629A

6) Survey Boat

Fuel

Port

Starboard



Hull Depth

Sound Velocity

Latency

Position Verification

Boat

X

Y

Control Point

X

Y

7) Dredge Material Weight



_____ pounds per cubic foot

8) Dredge Boom Tip Verification

X

Y

Control Point

X

Y

9) Containment and Truck Load Area

Clean



Dust Suppression



Fabric



Spill Plates



10) Lash Barge:

Keep within 2 ft of trim

Draft

PB

SB

PS

SS

Tank Sounding

#1

#3

#2

#4

11) Baker Tank Level

#1 1150 gal
pumped

#2 7590 gal shipped by our conversion.

12) De con Stations

Clean



Inventory





HICKEY MARINE ENTERPRISES

6801 NW Old Lower River Road
Vancouver, WA 98660
(360) 695-4553 (503) 284-1140

M	T	W	TH	F	S	S
---	--------------	---	----	---	---	---

Job Name T-4 DALLIES OFFLOADED Date 9-9-08

Job No. _____ Weather _____

Equipment: ☐ Sea Hawk ☒ Sea Vulture ☐ Sea Lion ☐ Viking ☐ 966 Loader ☐ Chetco

☐ Barge 174 ☐ Barge 34 ☐ BK5 ☒ Nova ☐ Barge 47 ☐ Barge Harvey A

☐ Manlift ☐ Other IT-28, LAMPONA - Bobcat

Equipment Safety Checks Performed? Yes/No

Personal Protective Equipment Safety Checks Performed? Yes/No

Work performed today

<u>0145 - 06:00</u>	<u>Safety Meeting</u>
<u>06:00 - 06:30</u>	<u>Fire up</u>
<u>06:30 - 15:20</u>	<u>wait for Load Trucks</u>
<u>15:20 - 17:30</u>	<u>Secured</u>

Extra work or delays (authorized by)

Sign _____

FOREMAN'S DAILY TIME REPORT

6801 N.E. Old Lower River Rd.
Vancouver, WA 98660
(360) 695-4553

DATE 9-9 20 08

M	W	TH	F	S
---	--------------	----	---	---

OR. ~~X~~ WA. _____

Description Of Work	T-4	Offload

Description Of Work	T-4	Offload

Description Of Work	T-4	Offload

[illegible]

EMPLOYEE NAME	EMPLOYEE WORK HOURS														COMBINED
	ST	OT	ST	OT	ST	OT	ST	OT	ST	OT	ST	OT	ST	OT	
Doug Larsen	00	1 1/2													1 1/2
Brett Gianella	00	1 1/2													1 1/2
Darrel Ivie	00	1 1/2													1 1/2
Justin Bay	00	1 1/2													1 1/2
Dennis Forsberg	6														6
DAILY TOTALS															

TYPE OF EQUIPMENT	MILEAGE OWED		PER DIEM OWED	
	NAME	TO/FROM	NAME	# OF DAYS
Sea Hawk				
Sea Vulture ✓				
Sea Lion				
Viking				
Nova				
Materials Barge: Umpqua				
Other: IT 28 Bobcat				
TOTALS				

HICKEY MARINE ENTERPRISES, INC.			
PORT OF PORTLAND T-4			
DATE	09/09/08		
DATE	TICKET #	MATERIAL	WEIGHT
9/9/2008	14123	SPEC-OTH	32.30
9/9/2008	14124	SPEC-OTH	32.59
9/9/2008	14126	SPEC-OTH	31.60
9/9/2008	14127	SPEC-OTH	33.41
9/9/2008	14130	SPEC-OTH	30.56
9/9/2008	14132	SPEC-OTH	33.86
9/9/2008	14133	SPEC-OTH	28.91
9/9/2008	14137	SPEC-OTH	31.80
9/9/2008	14140	SPEC-OTH	33.42
9/9/2008	14143	SPEC-OTH	35.69
9/9/2008	14145	SPEC-OTH	31.82
9/9/2008	14148	SPEC-OTH	31.57
9/9/2008	14149	SPEC-OTH	33.54
9/9/2008	14153	SPEC-OTH	27.59
9/9/2008	14154	SPEC-OTH	33.20
9/9/2008	14155	SPEC-OTH	34.83
9/9/2008	14161	SPEC-OTH	32.69
9/9/2008	14163	SPEC-OTH	32.06
9/9/2008	14164	SPEC-OTH	32.84
9/9/2008	14168	SPEC-OTH	33.50
9/9/2008	14173	SPEC-OTH	32.49
9/9/2008	14175	SPEC-OTH	32.88
9/9/2008	14185	SPEC-OTH	33.80
9/9/2008	14186	SPEC-OTH	32.60
9/9/2008	14190	SPEC-OTH	32.64
9/9/2008	14194	SPEC-OTH	30.17
9/9/2008	14198	SPEC-OTH	33.23
9/9/2008	14199	SPEC-OTH	30.47
9/9/2008	14204	SPEC-OTH	33.57
9/9/2008	14209	SPEC-OTH	33.08
9/9/2008	14216	SPEC-OTH	34.56
9/9/2008	14219	SPEC-OTH	29.33
9/9/2008	14220	SPEC-OTH	33.68
9/9/2008	14227	SPEC-OTH	34.06
9/9/2008	14228	SPEC-OTH	33.07
9/9/2008	14230	SPEC-OTH	35.51
TOTAL TONS			1,172.92

Wasco County Landfill
WASCO COUNTY LANDFILL
The Dalles, OR 97058

000245 Site 40
HICKEY MARINE ENTERPRISES Ticket 014166
PORT OF PORTLAND-LIQ Date In 09/09/08
6801 OLD LOWER RD Time In 11:02
VANCOUVER WA 98660 Date Out 09/09/08
Time Out 11:02

Weighmaster Linda Ref. WATER
Origin WASH ST Grid

DESCRIPTION

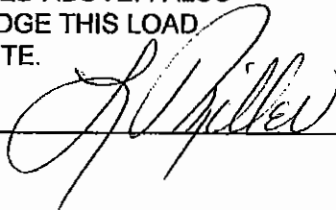
Scale 1 Gross Wt.	33380 LB	Vehicle	TRAIL
Manual Tare Wt.	17360 LB	Roll-Off	
Net Wt.	16020 LB	TON	8.01

LIQUIDS/SEMI-SOLIDS per TON

PO #
NOTE
DRIVER

BY SIGNING THIS, I CERTIFY THAT THIS DISPOSAL MATERIAL
ORIGINATED IN THE COUNTY/STATE AS STATED ABOVE. I ALSO
CERTIFY THAT TO THE BEST OF MY KNOWLEDGE THIS LOAD
CONTAINS NO HAZARDOUS OR SPECIAL WASTE.

Signature _____



Wasco County Landfill
WASCO COUNTY LANDFILL
The Dalles, OR 97058

000245	Site	40
HICKEY MARINE ENTERPRISES		Ticket 014183
PORT OF PORTLAND-LIQ		Date In 09/09/08
6801 OLD LOWER RD		Time In 12:14
VANCOUVER WA 98660		Date Out 09/09/08
	Time Out	12:14

Weighmaster Linda	Ref. WATER
Origin WASH ST	Grid

DESCRIPTION

Scale 1 Gross Wt.	33920 LB	Vehicle	TRAIL
Manual Tare Wt.	17360 LB.	Roll-Off	
Net Wt.	16560 LB	TON	8.28

LIQUIDS/SEMI-SOLIDS per TON

PO #
NOTE
DRIVER

BY SIGNING THIS, I CERTIFY THAT THIS DIPOSAI MATERIAL
ORIGINATED IN THE COUNTY/STATE AS STATED ABOVE. I ALSO
CERTIFY THAT TO THE BEST OF MY KNOWLEDGE THIS LOAD
CONTAINS NO HAZARDOUS OR SPECIAL WASTE.

Signature _____ *[Signature]*

Wasco County Landfill
WASCO COUNTY LANDFILL
The Dalles, OR 97058

000245	Site	40	
HICKEY MARINE ENTERPRISES		Ticket	014202
PORT OF PORTLAND-LIQ		Date In	09/09/08
6801 OLD LOWER RD		Time In	13:25
VANCOUVER WA 98660		Date Out	09/09/08
	Time Out	13:25	

Weighmaster Linda	Ref. WATER
Origin WASH ST	Grid

DESCRIPTION

Scale 1 Gross Wt.	34100 LB	Vehicle	TRAIL
Manual Tare Wt.	17360 LB	Roll-Off	
Net Wt.	16740 LB	TON	8.37

LIQUIDS/SEMI-SOLIDS per TON

PO #
NOTE
DRIVER

BY SIGNING THIS, I CERTIFY THAT THIS DIPOSAI MATERIAL
ORIGINATED IN THE COUNTY/STATE AS STATED ABOVE. I ALSO
CERTIFY THAT TO THE BEST OF MY KNOWLEDGE THIS LOAD
CONTAINS NO HAZARDOUS OR SPECIAL WASTE.

Signature

ABOVE. I ALSO
E THIS LOAD
E.

[Signature]

Wasco County Landfill
WASCO COUNTY LANDFILL
The Dalles, OR 97058

000245	Site	40	
HICKEY MARINE ENTERPRISES		Ticket	014217
PORT OF PORTLAND-LIQ		Date In	09/09/08
6801 OLD LOWER RD		Time In	14:30
VANCOUVER WA 98660		Date Out	09/09/08
	Time Out	14:31	

Weighmaster Linda	Ref. WATER
Origin WASH ST	Grid

DESCRIPTION

Scale 1 Gross Wt.	33880 LB	Vehicle	TRAIL
Manual Tare Wt.	17360 LB	Roll-Off	
Net Wt.	16520 LB	TON	8.26

LIQUIDS/SEMI-SOLIDS per TON

PO #
NOTE
DRIVER

BY SIGNING THIS, I CERTIFY THAT THIS DIPOSAI MATERIAL
ORIGINATED IN THE COUNTY/STATE AS STATED ABOVE. I ALSO
CERTIFY THAT TO THE BEST OF MY KNOWLEDGE THIS LOAD
CONTAINS NO HAZARDOUS OR SPECIAL WASTE.

Signature _____ *J. Miller*

Project: T-4 Offload

Date: 9-9-08

Gallons of Diesel used 62

Barge Displacements

Start of shift (Water Tank 64") Time: 0615

Load # <u>8</u> (Barge Name)	Drafts		Tonnage
Load # 8	10.9	10.8	
Umpqua	10.5	10.4	

End of shift (Water Tank 8") Time: 1530

Load # <u>8</u> (Barge Name)	Drafts		Tonnage
Load # 8	4.5	2.8	
umpqua	6.7	5.0	

of Gallons of
water pumped

1150

Total Tons
Offloaded



Work Hours: 6:00 to 11:00

Weather AM: Clear L: 46 °F PM: H: °F

--	--

Visitors:

[illegible]

Construction activities detailed on following page.

Project Engineer

5:45 On-site. Safety meeting (Doug Larsen, HME, West Coast Marine Cleaning). Safety meeting topic was vehicle and equipment safety. Equipment safety checks are done daily. Yesterday one truck was leaking power steering fluid. Clear and still, 46° F. HME gearing up for trucks (2 on-site – 41 and 46). Only five trucks will be used today. No word yet on the last barge's arrival.

6:08 Operations underway. 1st truck on loading pad (46).

6:18 1st truck covered and out (46). 2nd truck on loading pad (41).

6:28 2nd truck covered and out (41). 3rd truck on loading pad (19). Doug reports that a minor accident occurred yesterday afternoon involving truck 19. On the way to the landfill it bumped a car at a 4-way stop.

6:40 3rd truck covered and out (19).

6:51 4th truck covered and out (9519). 5th truck on loading pad (22). Call Rick Schwarz regarding dripping. Vehicles shouldn't be allowed to leave until a good effort has been made to stop the dripping.

7:03 5th truck covered and out (22). Laying new piece of filter fabric down on the middle of the loading pad (pictures).

7:49 6th truck on loading pad (46).

7:58 6th truck covered and out (46).

8:16 7th truck on loading pad (41). Trucks 22 and 19 on-site.

8:40 Water noticed dripping from truck 41's bed. Truck held until dripping stops. HME dug material away from bed door and found liner had slipped down during loading. The liner was pulled back up and dripping stopped.

8:50 1st truck of drying agent arrives (51). It is dumping the white coarse material.

8:54 7th truck covered and out (41). 8th truck on loading pad (22).

9:04 8th truck covered and out (22). Street sweeper cleaning site.

9:09 9th truck on loading pad (19).

9:18 9th truck covered and out (19). 10th truck on loading pad (9519).

9:36 10th truck covered and out (9519). 11th on loading pad (46).

9:51 11th truck covered and out (46). Street sweeper cleaning site.

10:15 12th truck on loading pad (41).

10:26 12th truck covered and out (41).

10:30 Bobcat moved off of Umpqua.

10:40 13th truck covered and out (22). Doug reports the next barge should be here at 6:00 in the morning. Unloading should be completed sometime on Friday and demob will take place on Monday and some on Friday if time permits.

11:00 Trucks are done. Umpqua is unloaded. Done for the day. Doing maintenance on equipment and street sweeping. Clear and sunny, 70° F

15:05 Conference call from Ben Hung and Port officials concerning the three trucks that were leaking today and yesterday.

Wes MacDonald
Resident Engineer

Rick Schwarz
Project Engineer



DAILY QUALITY CONTROL REPORT

Daily Report No. 17

Date: 9/10/08 wed

Contract No. _____

Project Title: P.O.R. T4 off load

Location: The Dalles

Weather: _____

Temperature: _____ Min. _____ Max

1. Contractor/Subcontractors and Area of Responsibility:

NUMBER	TRADE	HOURS	EMPLOYER	LOCATION/DESCRIPTION OF WORK
<u>6</u>	<u>operators</u>		<u>HME</u>	<u>off load spoils The Dalles</u>
<u>5</u>	<u>Trk Drivers</u>		<u>DJR Dietrich</u>	<u>haul spoils to wasco landfill from The Dalles</u>
<u>1</u>	<u>LABORER</u>		<u>" "</u>	<u>Line Truck Beds the Dalles</u>
<u>1</u>	<u>operator</u>		<u>" "</u>	<u>Load spoils into Trucks at The Dalles</u>

2. Operating Plant or Equipment. (Not Hand Tools)

Plant/Equipment	Date of Arrival/Departure	Date of Safety Check	Hours Used	Hours Idle	Hours Repair
<u>5000 Vulture</u>	<u>9/10</u>	<u>9/10</u>	<u>6</u>		
<u>5 Dump Trucks</u>	<u>9/10</u>	<u>9/10</u>			
<u>1 excavator</u>	<u>9/10</u>	<u>9/10</u>	<u>6</u>		
<u>1 loader</u>	<u>9/10</u>	<u>9/10</u>	<u>2</u>		
<u>1 sweeper</u>	<u>9/10</u>	<u>9/10</u>	<u>2</u>		

1. Work performed today: (Indicate location and description of work performed by prime and/or subcontractors by letter in table above).

Short Day. Finish off loading Umpeen. Skid steer was set in barge to clean up (last trip). No water shipped to Day. New Filter cloth overlay on Truck path MID.

2. Results of control activities: (Indicate whether P – Preparatory, I – Initial, or F – Follow-up phase. When a P or I meeting is conducted, complete attachment 1-A or 1-B, respectively. When network analysis system is used, identify work by use of I-J numbers.

3. Test performed as required by plans and/or specifications:

4. Material received:

5. Submittals Reviewed:

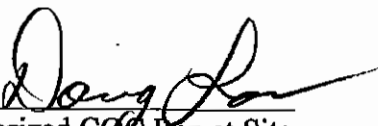
(a) Submittal No.	(b) Spec/Plan Reference	(c) By Whom	(d) Action
<hr/>	<hr/>	<hr/>	<hr/>
<hr/>	<hr/>	<hr/>	<hr/>
<hr/>	<hr/>	<hr/>	<hr/>
<hr/>	<hr/>	<hr/>	<hr/>
<hr/>	<hr/>	<hr/>	<hr/>

6. Offsite surveillance activities, including action taken:

7. Job Safety: (Report violations; corrective instructions given; corrective actions taken).

8. Remarks: (Instructions received or given. Conflict(s) in plans and/or specifications).

Contractor's Verification: On behalf of the Contractor, I certify this report is complete and correct, and all materials and equipment used and work performed during this reporting period are in compliance with the contract plans and specifications, to the best of my knowledge, except as noted above.


Authorized CQC Rep at Site

7/10/08
Date



Daily Inspection Checklist

Date 9/10/08 wed

1) Safety Meeting:

Agenda: Equipment & Vehicle Safety

Attendees:

Bret Tucker
1. O'Donoghue
Daniel R. Evans
W. M. M. M.
Griffith

Don Jones
Allen
Douglas
F. B.
Aaron Webb
Jim Harris

Derrick SEAHORSE



Derrick Sea Vulture



2) Crane Inspection:



"Attach Operator Log/Inspection Log"

3) Plant Inspection



Deficiencies:

Date

Date
Corrected

Adjust crane friction

9/10

9/10

4) Staff Gage Check



Time

Tideboard

Tide Track

5) Main Fuel Tank Levels



Port

Starboard

Height

Gallons

Consumption per day

172gal

b) Survey Boat



Fuel



Port

Starboard

Hull Depth

Sound Velocity

Latency

Boat

X

Y

Control Point

X

Y

7) Dredge Material Weight



_____ pounds per cubic foot

8) Dredge Boom Tip Verification

X

Y

Control Point

X

Y

9) Containment and Truck Load Area

Clean



Dust Suppression



Fabric



Spill Plates



10) Lash Barge:

Keep within 2 ft of trim

Draft

PB

SB

PS

SS

Tank Sounding

#1

#3

#2

#4

11) Baker Tank Level

#1 575gal
Pumped

#2 None Transported

12) De con Stations

Clean



Inventory





HICKEY MARINE ENTERPRISES

6801 NW Old Lower River Road
Vancouver, WA 98660
(360) 695-4553 (503) 284-1140

M	T	W	TH	F	S	S
---	---	---	----	---	---	---

Job Name T-4 offload - Dalles Date 9-10-08

Job No. _____ Weather _____

Equipment: ☐ Sea Hawk ☐ Sea Vulture ☐ Sea Lion ☐ Viking ☐ 966 Loader ☐ Chetco

☐ Barge 174 ☐ Barge 34 ☐ BK5 ☐ Nova ☐ Barge 47 ☐ Barge Harvey A

☐ Manlift ☐ Other IT-20 Bobcat UnpQ4A

Equipment Safety Checks Performed? Yes / No

Personal Protective Equipment Safety Checks Performed? Yes / No

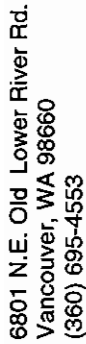
Work performed today

<u>05:45 - 06:00</u>	<u>Safety meeting</u>
<u>06:00 - 06:15</u>	<u>Fire - up</u>
<u>06:15 - 10:05</u>	<u>Pump water mix + load Truck 5/15</u>
<u>10:05 - 11:20</u>	<u>clean up unpQ4A secure at B-5</u>
<u>11:20 - 11:45</u>	<u>clean up unpQ4A secure rig</u>

13

Extra work or delays (authorized by)

Sign _____



OR. X WA. _____

M	T	X	TH	F	S
---	---	--------------	----	---	---

OR. X WA.

JOB #	PHASE
-------	-------

TOTAL
MAN
HOURS

EMPLOYEE WORK HOURS

EMPLOYEE NAME

Dennis Furberg

1007

DAILY TOTALS

TYPE OF EQUIPMENT

Other: IT 28 Bobcat

TOTALS

Form #1

Project: T-4 Offload

Date: 9-10-08

Gallons of Diesel used 1.7 gals

Barge Displacements

Start of Shift (Water Tank 8") Time: 0610

Load # <u>8</u> (Barge Name)	Drafts		Tonnage
Load # 8	10.9	10.8	
Umpqua	10.5	10.4	

End of Shift (Water Tank 13") Time: 1115

Load # <u>8</u> (Barge Name)	Drafts		Tonnage
Load # 8	3.3	3.4	
Umpqua	3.3	3.4	

of Gallons of
water pumped

5.75 gallons

7590 total

for umpqua

Total Tons
Offloaded

427.03

HICKEY MARINE ENTERPRISES, INC.**PORT OF PORTLAND T-4****DATE** 09/10/08

DATE	TICKET #	MATERIAL	WEIGHT
9/10/2008	14240	SPEC-OTH	32.35
9/10/2008	14241	SPEC-OTH	33.51
9/10/2008	14242	SPEC-OTH	33.02
9/10/2008	14244	SPEC-OTH	31.43
9/10/2008	14247	SPEC-OTH	33.64
9/10/2008	14257	SPEC-OTH	33.65
9/10/2008	14267	SPEC-OTH	33.10
9/10/2008	14269	SPEC-OTH	32.62
9/10/2008	14274	SPEC-OTH	32.97
9/10/2008	14278	SPEC-OTH	31.30
9/10/2008	14279	SPEC-OTH	32.99
9/10/2008	14284	SPEC-OTH	32.84
9/10/2008	14281	SPEC-OTH	33.61
TOTAL TONS			427.03

Project Engineer

5:45 Arrive on-site. Safety meeting (HME, West Coast Marine Cleaning). Safety meeting topic was personal protective equipment, hard hats, safety glasses, steel toe boots, life jackets when on boat. Clear and calm, 44° F. HME gearing up for last barge to arrive.

6:15 The last barge, Reedsport, arrives. Water is being pumped off before material is unloaded.

6:44 1st truck on-site (46).

7:00 Doug Larson arrives on-site.

7:02 1st truck on loading pad (46).

7:15 Adding drying agent to mixing bin. 1st truck covered and out (46). 2nd truck on loading pad (19).

7:24 1st load of drying agent arrives (41). This is the light gray, coarse, fluffy material.

7:38 2nd truck covered and out (19). 3rd truck on loading pad (9519). Umpqua departs down river.

7:54 3rd truck covered and out (9519). Adding drying agent to mixing bin. 4th truck on loading pad (22).

8:04 4th truck covered and out (22). Street sweeper cleaning site.

8:16 5th truck on loading pad (41).

8:29 5th truck covered and out (41). 6th truck on loading pad (46)

8:41 6th truck covered and out (46).

8:55 7th truck on loading pad (19).

9:05 7th truck covered and out (19).

9:10 8th truck on loading pad (9519). Adding drying agent to mixing bin.

9:19 8th truck covered and out (9519). 9th truck on loading pad (22).

9:23 2nd load of drying agent arrives (13). Same material as at 7:24.

9:34 9th truck covered and out (22).

9:44 Phone call from Rick Schwarz to confirm barge arrived and progressing towards completion tomorrow. Trucks 41 and 51 on-site.

9:51 10th truck on loading pad (41). Street sweeper cleaning site.

10:00 10th truck covered and out (41). 11th truck on loading pad (51). Adding drying agent to mixing bin.

10:14 11th truck covered and out (51). 12th truck on loading pad (13).

10:21 12th truck covered and out (13). 13th truck on loading pad (46).

10:33 13th truck covered and out (46). 14th truck on loading pad (19).

10:45 Conversation with Doug concerning the schedule. Tentatively the Reedsport will be done unloading tomorrow at noon and clean up and demob will immediately follow. HME hopes to finish on Friday but is prepared to work on Saturday if need be.

10:49 14th truck covered and out (19). 15th truck on loading pad (9519).

11:00 15th truck covered and out (9519). 16th truck on loading pad (22).

11:13 Phone call to Rick Schwarz to inform him of the tentative remaining unloading schedule.

11:30 16th truck covered and out (22). 17th truck on loading pad (41).

11:42 17th truck covered and out (41). 18th truck on loading pad (51).

11:52 18th truck covered and out (51). 19th truck on loading pad (13).

12:01 19th truck covered and out (13). 20th truck on loading pad (46).

12:14 20th truck covered and out (46). 21st truck on loading pad (19).

12:25 21st truck covered and out (19). 22nd truck on loading pad (9519).

12:39 22nd truck covered and out (9519).
12:50 23rd truck on loading pad (22). Tanker truck on-site to refuel excavator.
13:00 23rd truck covered and out (22).
13:20 24th truck on loading pad (13).
13:25 There is a problem with the Sea Vulture crane. Operations have stopped.
15:10 The trucks that have been waiting are sent home. Done for the day. The crane has broken down and we will resume loading in the morning. Most likely the clean-up operations that were planned to start tomorrow will be delayed. Demobilization may be pushed back to Monday, 9/15.

Wes MacDonald

Resident Engineer

Rick Schwarz

Project Engineer



DAILY QUALITY CONTROL REPORT

Daily Report No. 18

Date: 9/11/09 THURS

Contract No. P.O.P. T4 off load

Project Title: _____

Location: The Dalks

Weather: _____

Temperature: _____ Min. _____ Max

1. Contractor/Subcontractors and Area of Responsibility:

NUMBER	TRADE	HOURS	EMPLOYER	LOCATION/DESCRIPTION OF WORK
<u>5</u>	<u>operators</u>		<u>HME</u>	<u>the Dalks - off load spoils</u>
<u>6</u>	<u>Truck Drivers</u>		<u>D&R Distrech</u>	<u>Haul spoils to land fill from the Dalks</u>
<u>1</u>	<u>Loader</u>		<u>" "</u>	<u>Line Dump Trk BEDS</u>
<u>1</u>	<u>operator</u>		<u>" "</u>	<u>operate EXCAVATOR - load TRKS</u>

2. Operating Plant or Equipment. (Not Hand Tools)

Plant/Equipment	Date of Arrival/Departure	Date of Safety Check	Hours Used	Hours Idle	Hours Repair
<u>SEA Vulture</u>	<u>9/11</u>	<u>9/11</u>	<u>8</u>		<u>3</u>
<u>6 Dump Trks</u>	<u>9/11</u>	<u>9/11</u>	<u>8</u>	<u>1</u>	
<u>EXCAVATOR</u>	<u>9/11</u>	<u>9/11</u>	<u>8</u>	<u>1</u>	
<u>Sweeper</u>	<u>9/11</u>	<u>9/11</u>	<u>2</u>		
<u>loader</u>	<u>9/11</u>	<u>9/11</u>	<u>2</u>		

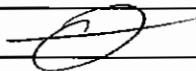
1. Work performed today: (Indicate location and description of work performed by prime and/or subcontractors by letter in table above).

Began ~~46~~ loading Barge #9 (Recosport). Small load (fuel tank)

2. Results of control activities: (Indicate whether P – Preparatory, I – Initial, or F – Follow-up phase. When a P or I meeting is conducted, complete attachment 1-A or 1-B, respectively. When network analysis system is used, identify work by use of I-J numbers.



3. Test performed as required by plans and/or specifications:



4. Material received:

5. SUBMITTALS REVIEWED.

(a) Submittal No.	(b) Spec/Plan Reference	(c) By Whom	(d) Action
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____


6. Offsite surveillance activities, including action taken:

7. Job Safety: (Report violations; corrective instructions given; corrective actions taken).

8. Remarks: (Instructions received or given. Conflict(s) in plans and/or specifications).

crane Broke Down in Afternoon - swing All CRAN'S

Contractor's Verification: On behalf of the Contractor, I certify this report is complete and correct, and all materials and equipment used and work performed during this reporting period are in compliance with the contract plans and specifications, to the best of my knowledge, except as noted above.



 Authorized CQC Rep at Site

9/11/08

 Date



Daily Inspection Checklist

Date 9/11/08 Thurs

1) Safety Meeting:

Agenda: PPE

Attendees:

[Signature]
[Signature]
[Signature]
[Signature]
[Signature]
[Signature]

[Signature]
[Signature]
[Signature]
[Signature]
[Signature]
[Signature]

Derrick SEAHORSE



Derrick Sea Vulture



2) Crane Inspection:



"Attach Operator Log/Inspection Log"

3) Plant Inspection



Deficiencies:

Date

Date
Corrected

4) Staff Gage Check



Time

Tideboard

Tide Track

5) Main Fuel Tank Levels



Port

Starboard

Height

Gallons

Consumption per day

6) Survey Boat



Fuel



Port

Starboard

Hull Depth

Sound Velocity

Latency

Boat

X

Y

Control Point

X

Y

7) Dredge Material Weight



_____ pounds per cubic foot

8) Dredge Boom Tip Verification

X

Y

Control Point

X

Y

9) Containment and Truck Load Area

Clean



Dust Suppression



Fabric



Spill Plates



10) Lash Barge:

Keep within 2 ft of trim

Draft

PB

SB

PS

SS

Tank Sounding

#1

#3

#2

#4

11) Baker Tank Level

#1 1495 gal
Pumped

#2 non shipped

12) De con Stations

Clean



Inventory





HICKEY MARINE ENTERPRISES

6801 NW Old Lower River Road
Vancouver, WA 98660
(360) 695-4553 (503) 284-1140

M	T	W	TH	F	S	S
---	---	---	----	---	---	---

Job Name T-4 OFFLOAD - Dallas Date 9-11-0

Job No. _____ Weather _____

Equipment: ☐ Sea Hawk ☒ Sea Vulture ☐ Sea Lion ☐ Viking ☐ 966 Loader ☐ Chetco

☐ Barge 174 ☒ Barge 34 ☒ BK5 ☐ Nova ☐ Barge 47 ☐ Barge Harvey A

☐ Manlift ☐ Other Reefport IT.28 Bob Cat

Equipment Safety Checks Performed? Yes / No

Personal Protective Equipment Safety Checks Performed? Yes / No

Work performed today

05:45 - 06:00	Safety meeting
06:00 - 06:15	Fire up
06:15 - 08:45	pump water
08:45 - 12:45	mix + load Trucks
12:45 - 16:45	RT Sealing not working completely - RAB Air CAN
16:45 - 17:00	Secure

Extra work or delays (authorized by)

Sign _____

Project: T-4 Offload

Date: 9-11-03

Gallons of Diesel used 47 gal

Barge Displacements

Start of Shift (Water Tank 13") Time: 0645

Load # <u>9</u> (Barge Name)	Drafts		Tonnage
Load # 9	9.3	9.5	
Reedsport	8.4	8.6	

End of Shift (Water Tank 26") Time: 1830

Load # <u>9</u> (Barge Name)	Drafts		Tonnage
Load # 9	9.0	9.8	
Reedsport	2.8	3.5	

of Gallons of
Water Pumped

1495 gal

Total Tons
Offloaded

742.23

HICKEY MARINE ENTERPRISES, INC.

PORT OF PORTLAND T-4

DATE	09/11/08
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[illegible]



Daily Construction Report Number: 20

Work Hours: 6:00 to 18:15

Project Number: 050332-01 Day: Friday Date: 9/12/08

Weather AM: Clear, calm L: 43 °F PM: Sunny, windy H: 90 °F

Tides:	Time	Height

Contractor: Hickey Marine Sub: Waste Connections, D&R Dietrich & Sons,
West Coast Marine Cleaning

Contractors Rep and Title: Doug Larsen (HME superintendent) 360-772-4553

Work Day Charge: Day: Reason:

Project Pictures? ☒ Yes ☐ No Subject: Daily Operations

Visitors: John Durst, Port of Portland

Item Description	Quantity Today	√	Remarks
Drying agent delivered (truckload)	0		Truck and pup
Sediment transported to landfill (truck/pup load)	33		Truck and pup
Water removed from tank on barge	0		Vacuum truck
Fuel delivery	0		for track hoe

Diary (Report of Day's Operations, Orders given and received, discussions with contractor, visitors, unusual conditions, major material deliveries, delays)

Construction activities detailed on following page.

Wes MacDonald

Resident Engineer

Rick Schwarz

Project Engineer

5:45 Arrive on-site. Safety meeting (HME, West Coast Marine Cleaning). Safety meeting topic was complacency. Today hopefully will be the last day of unloading and the last barge. Everyone is anxious to be done so be careful and continue to do your job correctly and safely. Three trucks on-site already lined from yesterday: 46, 13, and 41. Clear and calm, 43° F

6:00 1st truck on loading pad (46).

6:11 1st truck covered and out (46). 2nd truck on loading pad (13). Adding drying agent to mixing bin.

6:27 2nd truck covered and out (13). 3rd truck on loading pad (41).

6:40 3rd truck covered and out (41). 4th truck on loading pad (19).

6:52 4th truck covered and out (19). 5th truck on loading pad (9519).

7:01 5th truck covered and out (9519). Street sweeper cleaning the site. 6th truck on loading pad (22).

7:12 6th truck covered and out (22).

7:20 7th truck on loading pad (46).

7:31 7th truck covered and out (46).

7:39 8th truck on loading pad (51).

7:49 8th truck covered and out (51). 9th truck on loading pad (13).

8:12 9th truck covered and out (13). 10th truck on loading pad (41).

8:22 10th truck covered and out (41). 11th truck on loading pad (19).

8:38 11th truck covered and out (19). 12th truck on loading pad (9519). Received daily reports from Doug for HME on 9/11.

8:50 12th truck covered and out (9519). 13th truck on loading pad (22).

9:01 13th truck covered and out (22). 14th truck on loading pad (46).

9:09 14th truck covered and out (46). 15th truck on loading pad (51). Concrete blocks cleaned off and moved to collect material in gap between drying agent pen and mixing bin. (picture).

9:22 15th truck covered and out (51). 16th truck on loading pad (13).

9:35 16th truck covered and out (13). Street sweeper cleaning the site.

9:47 17th truck on loading pad (41).

9:57 Phone call to Rick Schwarz to let him know the tentative schedule. Tentatively, unloading will be done today and some cleanup will take place. The remainder of the cleanup will be done tomorrow. Final soil sampling will be done at the end of the day tomorrow. A courier will deliver sampling supplies sometime today.

10:05 17th truck covered and out (41). 18th truck on loading pad (19).

10:18 18th truck covered and out (19). 19th truck on loading pad (22).

10:27 19th truck covered and out (22). 20th truck on loading pad (9519).

10:42 20th truck covered and out (9519). 21st truck on loading pad (46).

10:53 21st truck covered and out (46). 22nd truck on loading pad (51).

11:08 22nd truck covered and out (51). 23rd truck on loading pad (13). Adding drying agent to mixing bin.

11:11 Phone call from Rick Schwarz. A courier will be here later today with cooler, water, COC, bubble wrap, and jars for soil sampling tomorrow. A representative for EPA will be here tomorrow and would like to know our schedule.

11:20 23rd truck covered and out (13).

11:36 24th truck on loading pad (41).

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- 11:51 24th truck covered and out (41). 25th truck on loading pad (19).
- 12:02 25th truck covered and out (19). 26th truck on loading pad (22). Trucks 9519 and 9503. Truck 9503 is new today.
- 12:12 26th truck covered and out (22). 27th truck on loading pad (9519).
- 12:21 27th truck covered and out (9519). 28th truck on loading pad (9503).
- 12:30 28th truck covered and out (9503). 29th truck on loading pad (46).
- 12:40 29th truck covered and out (46). 30th truck on loading pad (51).
- 12:55 30th truck covered and out (51). John Durst from Port of Portland on-site.
- 13:18 31st truck on loading pad (41).
- 13:26 Tanker truck on site. It doesn't appear to refuel the excavator.
- 13:30 31st truck covered and out (41). 32nd truck on loading pad (19).
- 13:45 32nd truck covered and out (19). Last load of material from the Reedsport.
- 13:50 33rd truck on loading pad (46). Clean up begins. The geotextile over the spill aprons is rolled up into a ball carefully without spilling material and lifted via clamshell to the mixing bin. The excavator then loads it into the last truck waiting on-site (46). The excess material from the barge is scraped off using the bobcat and hand tools. When the clamshell is done loading, excess material from it is scraped off using hand tools. The clamshell is placed over the pile of drying agent on the barge. The filter fabric that comprises the loading pad is rolled up and loaded into the mixing bin where it is also loaded into the last truck with the excavator. Loose drying agent is consolidated in drying agent holding bin. The mixing bin is emptied as much as possible with the excavator and then the remaining material is scraped off using hand tools. The clamshell, barge, excavator bucket, and mixing bin are all free of dredge material. All equipment, including excavator and barges, is left in place. HME will be conducting this same operation for another project with Schnitzer Steel. According to HME, the Schnitzer dredging project is located near the Port of Portland T4 site (within ½ mile). They will be dredging and shipping the material to the same landfill using the same equipment and trucks.
- 14:18 90°F sunny, windy. Winds from NW. There appears to be a fire nearby. In the distance there is a brown haze and a smell of smoke on-site.
- 14:50 Phone call from Rick Schwarz discussing final soil samples. The samples taken at the end of work today are to be delivered to Portland tonight.
- 14:55 Phone call from Senvoy stating the courier will be late due to a forest fire near the interstate.
- 14:56 Walk through of the clean up reveals some material left on the shield between the unloaded barge and aprons and some material in the loading site. HME notified to clean up these areas and they do so promptly and satisfactorily.
- 16:15 33rd truck covered and out (46).
- 16:20 HME off-site. Start of final soil sampling. Sunny, clear, windy, 87°F.
- 16:24 Soil sample S-01 taken.
- 16:29 Soil sample S-04 taken.
- 16:37 Phone call from Andrew Somes confirming we are done with the cleanup and final walkthrough of the site. He may need to come up next week and view final cleanup for EPA.
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16:45 Courier arrives with cooler of sampling supplies.
16:54 Soil sample S-03 taken.
16:58 Soil sample S-02 taken.
17:04 Soil sample S-05 taken.
17:09 Soil sample S-06 taken.
18:15 Site clear. Gate secured and everyone off-site. Demobilize from The Dalles for drive to Portland.
20:45 Arrive at Portland office to transfer equipment and paperwork to Rick Schwarz and samples to Darwin Thomas, APEX laboratory. Leave Portland for Seattle.

Wes MacDonald

Resident Engineer

Rick Schwarz

Project Engineer



Daily Construction Report Number:

Anchor Personnel On Site: 13:00 to 16:30

Project Number: 050332-01 Day: Friday Date: 9/12/08
Weather : Sunny, Calm : 78 °F
Hickey Marine Enterprises
Contractor: (HME) Sub: West Coast Marine Cleaning
Contractors Rep and Title: Dave Godel, Health and Safety Supervisor, HME
Project Pictures? ☒ Yes ☐ No Subject: Decontamination Procedure Documentation
Personnel: Anchor: Gabe Nagler; HME: Dave Godel, Adam Bozarth
West Coast Marine Cleaning: Kevin Stumper

Diary (Report of Day's Operations, Orders given and received, discussions with contractor, visitors, unusual conditions, major material deliveries, delays)

Umpqua barge preliminary decontamination completed at Hickey Marine Enterprises (HME) yard facility located in Vancouver on the morning of September 12th, 2008. Adam Bozarth, barge hand of HME conducted preliminary decon using street sweeper. Final decontamination was performed by West Coast Marine Cleaning using two Karcher, 5000 psi pressure washers with roto-tip nozzles (Figure 1). Power washing commenced on the Umpqua at 09:30 and was completed at 16:30.

Anchor monitoring personnel, Gabe Nagler arrived on site at 13:00 to begin observation of Umpqua decontamination. Anchor monitor boarded Umpqua at 13:05. Power washing was 80% complete at the time of arrival. Kevin Stumper of West Coast Marine Cleaning led power washing operations on barge. Rinsate from power washing operations was collected in the port-aft quarter of the Umpqua barge by listing and was subsequently pumped via empeller and diaphragm pump to hold #3 of the water collection barge for future disposal. See Figures 2 and 3. Sediment collected during final decontamination of Umpqua was stored in a 55 gallon drum for transport to The Dalles and disposal in Wasco County Landfill. Rinsate removal and decontamination of the Umpqua completed at 16:30. See Figure 4.

At 13:16, a rinsate spill occurred on the water barge when the hose transporting the rinsate liquid dislodged from hold #3. Pumping was shut down within 20 seconds of hose dislodge. Rinsate was contained on deck of water barge and did not spill into river. Resulting accumulation of rinsate on deck of water barge was swept into hold #3. No rinsate was observed escaping the Umpqua barge during or after decontamination procedures. Umpqua barge was free of all observable standing water, sediment and dust following completion of decontamination.

Gabe Nagler
Monitoring Personnel

John Verduin
Project Engineer



Figure 1. Power washing of Umpqua barge.

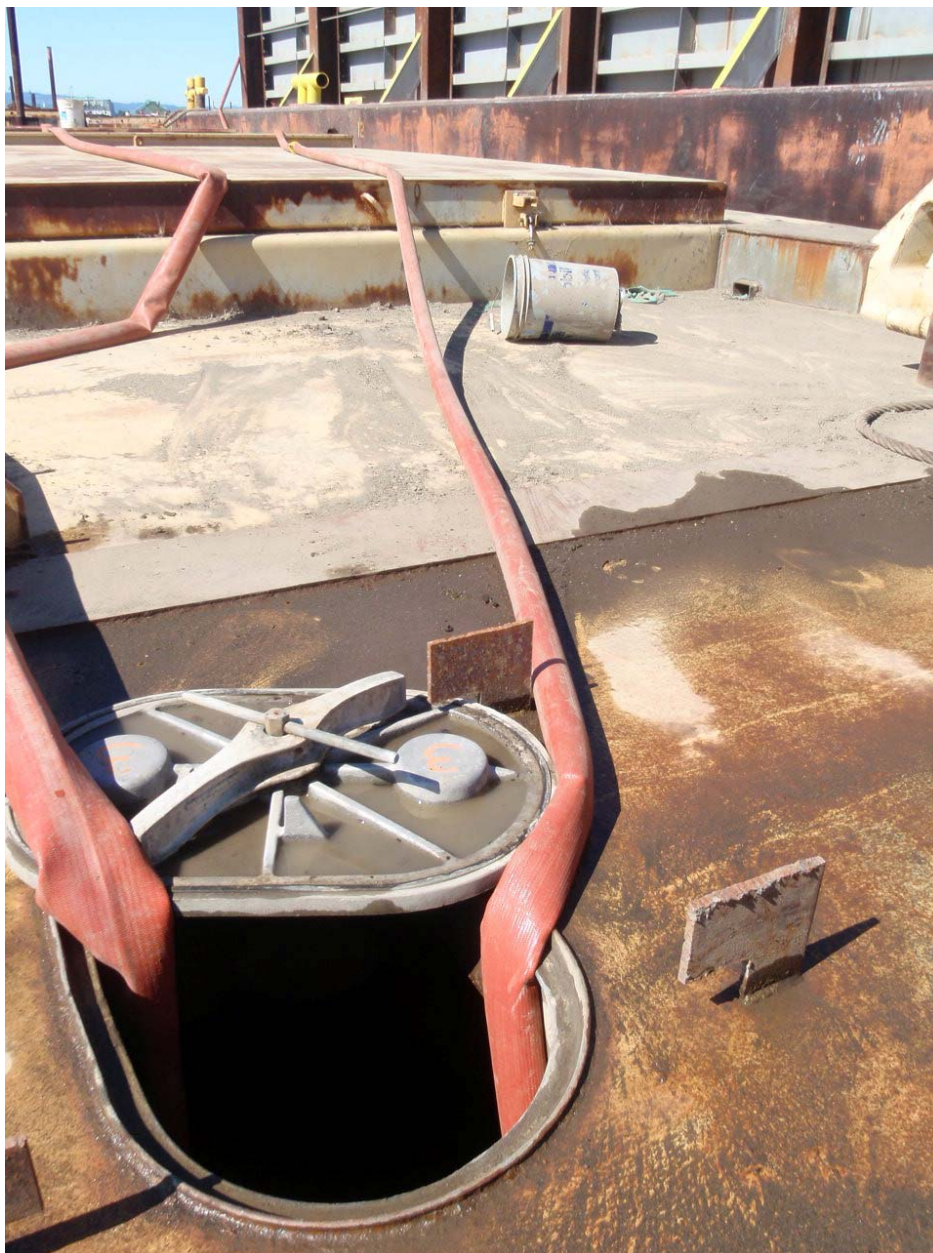


Figure 2. Rinsate from Umqua barge being pumped into hold #3 of water barge.



Figure 3. Pumping of powerwash rinsate on barge Umpqua.



Figure 4. Clean, decontaminated Umpqua barge.

ATTACHMENT D
DAILY RESULTS FROM WATER QUALITY MONITORING ACTIVITY AT
TERMINAL 4

Port of Portland Terminal 4 Phase I Removal Action Daily Reporting Form for Field Parameters

Date: 09/08/2008

Construction Activity: Berth 410 dredging

Construction Activity Times: Dredging occurred from 07:30 to 08:45

Monitoring Times: Background Parameters taken at 07:30; Compliance Parameters taken from 07:50 to 08:26

Rounds of Sampling for Day: 2

Triggers:

Water Velocity (fps) 1.0 fps or higher
 DO (mg/L) < 6.5 modify operations; < 6.0 cease operations
 Turbidity (NTU) > 5 NTU over background (where background < 50 NTU) or 10% over background (where background > 50 NTU); > 50 NTU over background, cease operations
 pH (Standard Units) < 6.5 or > 8.5

Round 1

* 90th Percentile Turbidity for 9/8/08 = 10.30 NTU
 * Background Station 1 = 7.5 NTU
 * 90th Percentile value of 10.30 NTU used to calculate trigger for sampling in Round 1 since it is higher than Background Station value.
 10.30 NTU + 5.0 NTU = 15.30 NTU Turbidity Trigger

Water Velocity (fps) 0.0ft/s @ 00 ft

Station ID: BG-01R Background Station Field Parameters taken at: 07:30

Water Depth (ft)		Parameters			
Depth to Bottom	65.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.52	18.94	3.7	7.31
Depth 2	32.0	8.43	18.89	3.2	7.38
Depth 3	62.0	8.30	18.86	7.5	7.37

Station ID: 410-E Early Warning Station for All Field Parameters taken at: 07:40

Water Depth (ft)		Parameters			
Depth to Bottom	41.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.31	19.10	3.0	7.34
Depth 2	20.0	8.24	19.11	2.6	7.33
Depth 3	38.0	8.22	19.02	4.4	7.34

Station ID: 410-N North Station for All Field Parameters taken at: 07:50

Water Depth (ft)		Parameters			
Depth to Bottom	41.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.48	19.08	4.3	7.35
Depth 2	20.0	8.34	19.02	4.5	7.34
Depth 3	38.0	8.26	18.96	5.4	7.36

Station ID: 410-M Middle Station for All Field Parameters taken at: 07:55

Water Depth (ft)		Parameters			
Depth to Bottom	47.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.41	19.08	3.8	7.35
Depth 2	23.0	8.33	19.01	4.6	7.35
Depth 3	44.0	8.20	18.95	7.7	7.36

Station ID: 410-S South Station for All Field Parameters taken at: 08:00

Water Depth (ft)		Parameters			
Depth to Bottom	50.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.65	19.09	3.8	7.33
Depth 2	25.0	8.22	19.04	4.3	7.35
Depth 3	47.0	8.23	18.92	6.1	7.77

Round 2					
Station ID: 410-N North Station for All Field Parameters taken at:08:15					
Water Depth (ft)		Parameters			
Depth to Bottom	42.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.36	19.11	3.8	7.33
Depth 2	21.0	8.25	19.00	4.6	7.34
Depth 3	39.0	8.17	18.98	5.4	7.36
Station ID: 410-M Middle Station for All Field Parameters taken at: 08:21					
Water Depth (ft)		Parameters			
Depth to Bottom	46.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.25	19.11	3.7	7.36
Depth 2	23.0	8.27	18.92	6.5	7.36
Depth 3	43.0	8.22	18.92	8.1	7.35
Station ID: 410-S South Station for All Field Parameters taken at: 08:26					
Water Depth (ft)		Parameters			
Depth to Bottom	47.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.44	19.10	3.6	7.35
Depth 2	24.0	8.20	19.10	3.3	7.33
Depth 3	44.0	8.22	18.91	6.6	7.38

Port of Portland Terminal 4 Phase I Removal Action Daily Reporting Form for Field Parameters

Date: 09/10/2008

Construction Activity: Berth 414 clean-up dredging

Construction Activity Times: Dredging occurred from 14:10 to 14:30

Monitoring Times: Background Parameters taken at 14:20; Compliance Parameters taken from 14:52 to 15:05

Rounds of Sampling for Day: 1

Triggers:

Water Velocity (fps) 1.0 fps or higher
DO (mg/L) < 6.5 modify operations; < 6.0 cease operations
Turbidity (NTU) > 5 NTU over background (where background < 50 NTU) or 10% over background (where background > 50 NTU); > 50 NTU over background, cease operations
pH (Standard Units) < 6.5 or > 8.5

Round 1

* 90th Percentile Turbidity for 9/10/08 = 10.29 NTU
* Background Station 1 = 7.4 NTU
* 90th Percentile value of 10.29 NTU used to calculate trigger for sampling in Round 1 since it is higher than Background Station value.
10.29 NTU + 5.0 NTU = 15.29 NTU Turbidity Trigger

Water Velocity (fps)

0.0ft/s @ 00 ft

Station ID: BG-01R Background Station Field Parameters taken at: 14:20

Water Depth (ft)		Parameters			
Depth to Bottom	74.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.47	18.82	3.4	7.25
Depth 2	37.0	8.31	18.57	3.7	7.27
Depth 3	71.0	8.17	18.52	7.4	7.25

Station ID: 414-E Early Warning Station for All Field Parameters taken at: 14:40

Water Depth (ft)		Parameters			
Depth to Bottom	52.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.57	19.26	2.7	7.34
Depth 2	26.0	8.36	18.68	2.6	7.27
Depth 3	49.0	8.24	18.58	3.5	7.31

Station ID: 414-N North Station for All Field Parameters taken at: 14:52

Water Depth (ft)		Parameters			
Depth to Bottom	41.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.49	19.30	3.3	7.34
Depth 2	20.0	8.49	18.72	2.8	7.32
Depth 3	38.0	8.34	18.60	3.2	7.31

Station ID: 414-M Middle Station for All Field Parameters taken at: 14:57

Water Depth (ft)		Parameters			
Depth to Bottom	54.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.58	18.74	4.9	7.32
Depth 2	27.0	8.37	18.71	4.6	7.34
Depth 3	51.0	8.25	18.59	8.8	7.32

Station ID: 414-S South Station for All Field Parameters taken at: 15:05

Water Depth (ft)		Parameters			
Depth to Bottom	54.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.67	18.92	4.5	7.38
Depth 2	27.0	8.33	18.70	21.6	7.32
Depth 3	51.0	8.21	18.70	37.3	7.34

Port of Portland Terminal 4 Phase I Removal Action Daily Reporting Form for Field Parameters

Date: 09/12/2008					
Construction Activity: S3B Capping					
Construction Activity Times: Capping activity occurred from 09:55 to 14:45					
Monitoring Times: Background Parameters taken at 10:10; Compliance Parameters taken from 11:24 to 13:45					
Rounds of Sampling for Day: 3					
Triggers:					
Water Velocity (fps)	1.0 fps or higher				
DO (mg/L)	< 6.5 modify operations; < 6.0 cease operations				
Turbidity (NTU)	> 5 NTU over background (where background < 50 NTU) or 10% over background (where background > 50 NTU); > 50 NTU over background, cease operations				
pH (Standard Units)	< 6.5 or > 8.5				
Round 1					
* 90th Percentile Turbidity for 9/12/08 = 10.26 NTU					
* Background Station 1 = 7.6 NTU					
* 90th Percentile value of 10.26 NTU used to calculate trigger for sampling in Round 1 since it is higher than Background Station value.					
10.26 NTU + 5.0 NTU = 15.26 NTU Turbidity Trigger					
Water Velocity (fps)	0.0ft/s @ 00 ft				
Station ID: BG-01R Background Station Field Parameters taken at: 10:10					
Water Depth (ft)		Parameters			
Depth to Bottom	66.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	9.07	18.78	4.9	7.23
Depth 2	33.0	8.77	18.70	5.5	7.29
Depth 3	63.0	8.64	18.68	7.6	7.27
Station ID: S3B-E Early Warning Station for All Field Parameters taken at: 11:10					
Water Depth (ft)		Parameters			
Depth to Bottom	50.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.90	19.14	2.2	7.36
Depth 2	25.0	8.59	18.83	4.6	7.31
Depth 3	47.0	7.67	18.75	66.8	7.02
Station ID: S3B-S South Station for All Field Parameters taken at: 11:24					
Water Depth (ft)		Parameters			
Depth to Bottom	40.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.78	18.97	3.1	7.33
Depth 2	20.0	8.65	18.86	5.3	7.30
Depth 3	37.0	8.52	18.83	6.9	7.30
Station ID: S3B-M Middle Station for All Field Parameters taken at: 11:27					
Water Depth (ft)		Parameters			
Depth to Bottom	39.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.84	19.06	4.3	7.37
Depth 2	19.0	8.66	18.84	4.5	7.31
Depth 3	36.0	8.61	18.78	4.9	7.34
Station ID: S3B-N North Station for All Field Parameters taken at: 11:34					
Water Depth (ft)		Parameters			
Depth to Bottom	44.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.84	19.01	2.9	7.35
Depth 2	22.0	8.57	18.81	3.5	7.30
Depth 3	41.0	8.43	18.78	14.9	7.25

Round 2					
Station ID: S3B-E Early Warning Station for All Field Parameters taken at: 11:44					
Water Depth (ft)		Parameters			
Depth to Bottom	50.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.96	19.06	4.2	7.37
Depth 2	25.0	8.65	18.81	5.5	7.32
Depth 3	47.0	8.44	18.84	64.6	7.12
Station ID: S3B-S South Station for All Field Parameters taken at: 11:52					
Water Depth (ft)		Parameters			
Depth to Bottom	38.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	9.11	19.06	4.1	7.42
Depth 2	19.0	8.73	18.84	4.5	7.32
Depth 3	35.0	8.59	18.77	5.9	7.30
Station ID: S3B-M Middle Station for All Field Parameters taken at: 11:57					
Water Depth (ft)		Parameters			
Depth to Bottom	38.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.94	18.97	4.3	7.43
Depth 2	19.0	8.72	18.81	4.4	7.34
Depth 3	35.0	8.64	18.77	6.3	7.31
Station ID: S3B-N North Station for All Field Parameters taken at: 12:10					
Water Depth (ft)		Parameters			
Depth to Bottom	43.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.76	19.00	3.5	7.37
Depth 2	21.5	8.57	18.83	6.3	7.32
Depth 3	40.0	8.53	18.87	33.7	7.32
Station ID: S3M-E Early Warning Compliance Station for All Field Parameters taken at: 12:41					
Water Depth (ft)		Parameters			
Depth to Bottom	57.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	9.12	19.25	3.1	7.35
Depth 2	28.5	8.85	18.79	3.6	7.32
Depth 3	54.0	8.76	18.77	4.2	7.32
Station ID: S3M-M Middle Compliance Station for All Field Parameters taken at: 12:47					
Water Depth (ft)		Parameters			
Depth to Bottom	55.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	9.14	19.23	3.8	7.39
Depth 2	27.0	8.81	18.78	4.3	7.31
Depth 3	52.0	8.67	18.73	5.1	7.32
Station ID: S3M-S South Compliance Station for All Field Parameters taken at: 12:52					
Water Depth (ft)		Parameters			
Depth to Bottom	53.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	9.10	19.06	3.9	7.40
Depth 2	27.0	8.83	18.76	4.6	7.35
Depth 3	50.0	8.67	18.73	5.8	7.34
Station ID: S3M-N North Compliance Station for All Field Parameters taken at: 12:58					
Water Depth (ft)		Parameters			
Depth to Bottom	29.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	9.17	19.18	3.6	7.42
Depth 2	15.0	8.94	18.80	3.7	7.35
Depth 3	26.0	8.85	18.79	4.5	7.32
Round 3					

Station ID: S3B-E Early Warning Station for All Field Parameters taken at: 13:05					
Water Depth (ft)		Parameters			
Depth to Bottom	39.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.84	19.15	3.1	7.33
Depth 2	19.5	8.68	18.94	3.3	7.30
Depth 3	36.0	8.59	18.81	5.6	7.30
Station ID: S3B-S South Station for All Field Parameters taken at: 13:12					
Water Depth (ft)		Parameters			
Depth to Bottom	40.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	9.01	19.14	4.4	7.38
Depth 2	20.0	8.84	18.95	4.3	7.31
Depth 3	37.0	8.59	18.80	5.6	7.24
Station ID: S3B-M Middle Station for All Field Parameters taken at: 13:14					
Water Depth (ft)		Parameters			
Depth to Bottom	39.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.99	19.50	3.4	7.38
Depth 2	19.5	8.71	18.83	4.0	7.31
Depth 3	36.0	8.61	18.79	7.4	7.32
Station ID: S3B-N North Station for All Field Parameters taken at: 13:22					
Water Depth (ft)		Parameters			
Depth to Bottom	44.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.92	19.28	3.9	7.39
Depth 2	22.0	8.63	18.92	5.2	7.30
Depth 3	40.0	8.52	18.89	24.8	7.32
Station ID: S3M-E Early Warning Compliance Station for All Field Parameters taken at: 13:26					
Water Depth (ft)		Parameters			
Depth to Bottom	57.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	9.18	19.04	3.8	7.44
Depth 2	28.0	8.82	18.76	4.1	7.36
Depth 3	54.0	8.70	18.74	5.6	7.36
Station ID: S3M-M Middle Compliance Station for All Field Parameters taken at: 13:34					
Water Depth (ft)		Parameters			
Depth to Bottom	56.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	9.14	19.05	3.9	7.46
Depth 2	28.0	8.80	18.75	4.4	7.37
Depth 3	53.0	8.66	18.74	5.3	7.35
Station ID: S3M-S South Compliance Station for All Field Parameters taken at: 13:39					
Water Depth (ft)		Parameters			
Depth to Bottom	53.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	9.15	19.12	3.7	7.43
Depth 2	27.0	8.81	18.76	4.3	7.37
Depth 3	50.0	8.69	18.74	5.0	7.35
Station ID: S3M-N North Compliance Station for All Field Parameters taken at: 13:45					
Water Depth (ft)		Parameters			
Depth to Bottom	31.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	9.23	19.47	3.1	7.47
Depth 2	15.5	8.94	18.87	3.8	7.38
Depth 3	28.0	8.87	18.83	4.4	7.38

Daily Reporting Template for Laboratory Parameters

Date: 09/15/08										
Time: 03:30:00 PM										
On-Time Result or Update: On Time										
Construction Activity: Capping at the Head of Slip 3 and Piling Removal					Apex # A809126					
Round of Sampling for Day (eg., 1st of 3 events): 2nd of 3 events										
Additional Comments: Samples collected on 9/12/08					Sample I.D.:					
No exceedances detected; revised with reporting limits							T4 BG 01R C WS 080912 (Time collected: 10:30)	T4 S3B N A WS 080912 (Time collected: 12:15)	T4 S3B N B WS 080912 (Time collected: 12:25)	T4 S3B N C WS 080912 (Time collected: 12:35)
Parameter	Units	Acute Criterion	Chronic Criterion	Highest Background*	Background Location			Construction Location		
					Top	Middle	Bottom	Top	Middle	Bottom
Conventional Parameters										
Total Suspended Solids (TSS)	mg/L	--	--	TBD			11.4	4.20	6.40	25.2
Metals ^[6]										
Cadmium	µg/L	0.5	0.09	TBD			ND>0.200	ND>0.200	ND>0.200	ND>0.200
Lead	µg/L	14	0.54	TBD			ND>1.0	1.68	ND>1.0	ND>1.0
Zinc	µg/L	36	36	TBD			8.99	7.69	8.77	7.88
Polycyclic Aromatic Hydrocarbons (PAHs)										
Naphthalene	µg/L	807	194	TBD			ND>0.0376	ND>0.0377	ND>0.0377	ND>0.0375
Acenaphthylene	µg/L	1277	307	TBD			ND>0.0376	ND>0.0377	ND>0.0377	ND>0.0375
Acenaphthene	µg/L	233	56	TBD			ND>0.0376	ND>0.0377	ND>0.0377	ND>0.0375
Fluorene	µg/L	162	39	TBD			ND>0.0376	ND>0.0377	ND>0.0377	ND>0.0375
Phenanthrene	µg/L	79	19	TBD			ND>0.0376	ND>0.0377	ND>0.0377	ND>0.0375
Anthracene	µg/L	87	21	TBD			ND>0.0376	ND>0.0377	ND>0.0377	ND>0.0375
Fluoranthene	µg/L	30	7.1	TBD			ND>0.0376	ND>0.0377	ND>0.0377	ND>0.0375
Pyrene	µg/L	42	10	TBD			ND>0.0376	ND>0.0377	ND>0.0377	ND>0.0375
Benzo(a)anthracene	µg/L	9.2	2.2	TBD			ND>0.0376	ND>0.0377	ND>0.0377	ND>0.0375
Chrysene	µg/L	8.3	2.0	TBD			ND>0.0376	ND>0.0377	ND>0.0377	ND>0.0375
Benzo(b)fluoranthene	µg/L	2.8	0.68	TBD			ND>0.0376	ND>0.0377	ND>0.0377	ND>0.0375
Benzo(k)fluoranthene	µg/L	2.7	0.64	TBD			ND>0.0376	ND>0.0377	ND>0.0377	ND>0.0375
Benzo(a)pyrene	µg/L	4.0	0.96	TBD			ND>0.0376	ND>0.0377	ND>0.0377	ND>0.0375
Indeno(1,2,3-cd)pyrene	µg/L	1.2	0.28	TBD			ND>0.0376	ND>0.0377	ND>0.0377	ND>0.0375
Dibenzo(a,h)anthracene	µg/L	1.2	0.28	TBD			ND>0.0376	ND>0.0377	ND>0.0377	ND>0.0375
Benzo(g,h,i)perylene	µg/L	1.8	0.44	TBD			ND>0.0376	ND>0.0377	ND>0.0377	ND>0.0375

Notes:

N/AV - Result not yet available

ND - Non Detect

J - Not within quality control limits, estimated data

Above chronic criterion and background (and data not yet qualified)

Above acute criterion and background (and data not yet qualified)

* Value is the 90th percentile background value calculated during pre-construction, or the value of the highest background sample taken on the same day (whichever is higher).

Port of Portland Terminal 4 Phase I Removal Action Daily Reporting Form for Field Parameters

Date: 09/13/2008					
Construction Activity: S3B Capping					
Construction Activity Times: Capping activity occurred from 07:15 to 11:30					
Monitoring Times: Background Parameters taken at 07:05; Compliance Parameters taken from 07:50 to 12:10					
Rounds of Sampling for Day: 3					
Triggers:					
Water Velocity (fps)	1.0 fps or higher				
DO (mg/L)	< 6.5 modify operations; < 6.0 cease operations				
Turbidity (NTU)	> 5 NTU over background (where background < 50 NTU) or 10% over background (where background > 50 NTU); > 50 NTU over background, cease operations				
pH (Standard Units)	< 6.5 or > 8.5				
Round 1					
* 90th Percentile Turbidity for 9/13/08 = 10.23 NTU					
* Background Station 1 = 5.9 NTU					
* 90th Percentile value of 10.23 NTU used to calculate trigger for sampling in Round 1 since it is higher than Background Station value.					
10.23 NTU + 5.0 NTU = 15.23 NTU Turbidity Trigger					
Water Velocity (fps)	0.0ft/s @ 00 ft				
Station ID: BG-01R Background Station Field Parameters taken at: 07:05					
Water Depth (ft)		Parameters			
Depth to Bottom	72.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.86	18.88	3.4	7.23
Depth 2	36.0	8.77	18.89	3.0	7.27
Depth 3	69.0	8.65	18.88	5.9	7.29
Station ID: S3B-E Early Warning Station for All Field Parameters taken at: 07:45					
Water Depth (ft)		Parameters			
Depth to Bottom	37.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.84	18.84	9.1	7.23
Depth 2	19.0	8.68	18.88	10.3	7.22
Depth 3	34.0	8.64	18.89	10.5	7.22
Station ID: S3B-S South Station for All Field Parameters taken at: 07:50					
Water Depth (ft)		Parameters			
Depth to Bottom	43.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.86	18.85	7.8	7.23
Depth 2	21.0	8.74	18.88	8.6	7.21
Depth 3	40.0	8.65	18.87	8.7	7.22
Station ID: S3B-M Middle Station for All Field Parameters taken at: 08:00					
Water Depth (ft)		Parameters			
Depth to Bottom	40.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.98	18.81	7.2	7.23
Depth 2	20.0	8.73	18.90	8.8	7.20
Depth 3	37.0	8.61	18.90	11.2	7.21
Station ID: S3B-N North Station for All Field Parameters taken at: 08:05					
Water Depth (ft)		Parameters			
Depth to Bottom	44.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.77	18.85	6.4	7.26
Depth 2	22.0	8.73	18.89	7.5	7.20
Depth 3	41.0	8.59	18.89	11.5	7.17

Round 2					
Station ID: S3B-E Early Warning Station for All Field Parameters taken at: 08:15					
Water Depth (ft)		Parameters			
Depth to Bottom	37.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.90	18.80	12.3	7.22
Depth 2	18.0	8.73	18.88	11.8	7.21
Depth 3	34.0	8.65	18.88	27.8	7.21
Station ID: S3B-S South Station for All Field Parameters taken at: 08:25					
Water Depth (ft)		Parameters			
Depth to Bottom	42.3	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.87	18.86	6.7	7.25
Depth 2	21.0	8.74	18.87	8.1	7.21
Depth 3	39.0	8.62	18.89	10.4	7.16
Station ID: S3B-M Middle Station for All Field Parameters taken at: 08:30					
Water Depth (ft)		Parameters			
Depth to Bottom	40.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.76	18.86	7.4	7.25
Depth 2	20.0	8.75	18.88	8.5	7.20
Depth 3	37.0	8.67	18.88	11.5	7.23
Station ID: S3B-N North Station for All Field Parameters taken at: 09:15					
Water Depth (ft)		Parameters			
Depth to Bottom	45.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.95	18.84	12.5	7.26
Depth 2	22.0	8.71	18.87	13.0	7.24
Depth 3	42.0	8.61	18.84	16.1	7.24
Station ID: S3M-E Early Warning Station for All Field Parameters taken at: 09:30					
Water Depth (ft)		Parameters			
Depth to Bottom	58.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.97	18.87	4.3	7.28
Depth 2	29.0	8.87	18.87	4.4	7.24
Depth 3	55.0	8.65	18.87	7.6	7.27
Station ID: S3M-M Middle Station for All Field Parameters taken at: 09:35					
Water Depth (ft)		Parameters			
Depth to Bottom	57.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	9.01	18.89	4.5	7.29
Depth 2	28.0	8.85	18.89	4.9	7.26
Depth 3	54.0	8.73	18.87	6.5	7.27
Station ID: S3M-S South Station for All Field Parameters taken at: 09:40					
Water Depth (ft)		Parameters			
Depth to Bottom	55.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	9.05	18.87	4.9	7.28
Depth 2	27.0	8.86	18.88	5.4	7.25
Depth 3	52.0	8.73	18.87	4.9	7.27
Station ID: S3M-N North Station for All Field Parameters taken at: 09:45					
Water Depth (ft)		Parameters			
Depth to Bottom	33.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.98	18.89	5.2	7.27
Depth 2	16.0	8.87	18.88	4.9	7.24
Depth 3	30.0	8.81	18.88	5.4	7.25

Round 3					
Station ID: S3B-E Early Warning Station for All Field Parameters taken at: 09:50					
Water Depth (ft)		Parameters			
Depth to Bottom	36.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.88	18.84	8.6	7.30
Depth 2	18.0	8.76	18.87	10.6	7.25
Depth 3	33.0	8.67	18.50	17.7	7.25
Station ID: S3B-E Early Warning Station for All Field Parameters taken at: 11:10					
Water Depth (ft)		Parameters			
Depth to Bottom	35.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.97	18.94	5.8	7.31
Depth 2	17.0	8.90	18.92	6.5	7.25
Depth 3	32.0	8.76	18.90	53.9	7.27
Station ID: S3B-S South Station for All Field Parameters taken at: 11:15					
Water Depth (ft)		Parameters			
Depth to Bottom	40.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	9.06	19.10	8.3	7.33
Depth 2	20.0	9.05	18.90	23.3	7.24
Depth 3	37.0	8.65	18.92	22.1	7.20
Station ID: S3B-M Middle Station for All Field Parameters taken at: 11:20					
Water Depth (ft)		Parameters			
Depth to Bottom	37.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	9.37	18.96	5.3	7.34
Depth 2	18.0	8.85	18.89	9.8	7.24
Depth 3	34.0	8.66	18.90	39.7	7.25
Station ID: S3B-N North Station for All Field Parameters taken at: 11:25					
Water Depth (ft)		Parameters			
Depth to Bottom	42.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	9.32	18.92	8.8	7.32
Depth 2	21.0	8.88	18.91	9.3	7.24
Depth 3	39.0	8.67	18.90	17.3	7.22
Station ID: S3M-E Early Warning Station for All Field Parameters taken at: 11:55					
Water Depth (ft)		Parameters			
Depth to Bottom	54.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	9.31	19.15	2.7	7.35
Depth 2	27.0	9.11	18.90	2.6	7.27
Depth 3	51.0	8.75	18.91	7.4	7.24
Station ID: S3M-M Middle Station for All Field Parameters taken at: 12:00					
Water Depth (ft)		Parameters			
Depth to Bottom	57.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	9.60	19.17	3.8	7.35
Depth 2	28.0	9.11	18.91	4.0	7.26
Depth 3	54.0	8.74	18.89	5.4	7.28
Station ID: S3M-S South Station for All Field Parameters taken at: 12:02					
Water Depth (ft)		Parameters			
Depth to Bottom	52.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	9.14	19.22	3.6	7.36
Depth 2	26.0	9.08	18.93	4.3	7.26
Depth 3	49.0	8.72	18.91	6.3	7.26

Station ID: S3M-N North Station for All Field Parameters taken at: 12:10					
Water Depth (ft)		Parameters			
Depth to Bottom	31.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	9.26	19.19	4.0	7.35
Depth 2	15.0	9.13	18.94	3.8	7.26
Depth 3	28.0	8.87	18.91	5.3	7.26

ATTACHMENT E
DAILY RESULTS FROM WATER QUALITY MONITORING ACTIVITY AT
THE TRANSLOADING FACILITY

Port of Portland Terminal 4 Phase I Removal Action Daily Reporting Form for Field Parameters

Date: 09-08-2008					
Construction Activity: Offloading at The Dalles					
Construction Activity Times: Offloading occurred from 06:23 to 15:51					
Monitoring Times: Background Parameters taken at 10:26; Compliance Parameters taken from 10:50 to 11:27					
Rounds of Sampling for Day: 1					
Triggers:					
Water Velocity (fps)	1.0 fps or higher				
DO (mg/L)	< 6.5 modify operations; < 6.0 cease operations				
Turbidity (NTU)	> 5 NTU over background (where background < 50 NTU) or 10% over background (where background > 50 NTU); > 50 NTU over background, cease operations				
pH (Standard Units)	< 6.5 or > 8.5				
ROUND 1					
* 90th Percentile Turbidity for 8/20/08 = 6.0 NTU					
* Background Station 1 = 4.5NTU					
* 90th percentile background value of 6.0 NTU used to calculate trigger for sampling in Round 1 since it is higher than Background Station value.					
6.0 NTU + 5.0 NTU = 11.0 NTU Turbidity Trigger					
Water Velocity (fps)	ft/s @ ft				
Station ID: DAL-BG Background Station Field Parameters taken at: 10:26					
Water Depth (ft)		Parameters			
Depth to Bottom	82	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3	8.35	19.91	1.96	7.78
Depth 2	41	8.62	19.85	1.79	7.80
Depth 3	78	8.55	20.03	2.27	7.77
Station ID: DAL-E Early Warning Station for All Field Parameters taken at: None					
Water Depth (ft)		Parameters			
Depth to Bottom		DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1					
Depth 2					
Depth 3					
Station ID: DAL-S Compliance for All Field Parameters taken at: 10:50					
Water Depth (ft)		Parameters			
Depth to Bottom	32	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3	8.70	20.12	1.74	7.79
Depth 2	16	8.25	20.15	1.99	7.78
Depth 3	28	8.19	20.10	1.65	7.79
Station ID: DAL-M Compliance for All Field Parameters taken at: 11:05					
Water Depth (ft)		Parameters			
Depth to Bottom	73	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3	8.60	20.14	2.66	7.79
Depth 2	36	8.90	20.19	1.56	7.77
Depth 3	70	9.60	20.21	1.67	7.77
Station ID: DAL-N Compliance for All Field Parameters taken at: 11:27					
Water Depth (ft)		Parameters			
Depth to Bottom	84	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3	9.40	20.21	1.54	7.80
Depth 2	42	9.30	20.31	1.67	7.79
Depth 3	81	8.72	20.18	1.44	7.80