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September 9, 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 1 through 7, 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 1 through September 7, 2008.

SIGNIFICANT DEVELOPMENTS

- Finished initial dredging of Berth 410 area during the reporting period (some cleanup will occur on Monday September 8, 2008 based on Hickey daily surveys). Dredging activities occurred September 2 through 6, 2008. Fender pile replacement occurred in the slip September 4 and 5, 2008. Dredging on September 2, 3, and 5, 2008 occurred while a vessel was being loaded at Kinder Morgan.
- Continued sediment offloading at The Dalles transloading facility. Sediment offloading occurred September 2 through 5, 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 4,230 cubic yards (cy) of sediment during the reporting period (12,730 cy total for the project). Three scows were loaded and transported for offloading during this period (Chetco, Umpqua, and Reedsport). Hickey pumped approximately 40,200 gallons of 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 2 through 5, 2008. See the attached summary table for quantities offloaded each day. Just less than 4,580 tons of sediment were offloaded and hauled to the Wasco County landfill during this period. A total of 15,500 tons have been hauled to the Wasco County landfill for the entire project.
- No water quality exceedances attributable to offloading were documented during the week.

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Wheeler Bay Shoreline Stabilization

- Continued grading the site.
- Installed ecology blocks and chains at second location on site (Station 6+95).
- Installed toe key and armoring on a portion of the site (Station 6 to 7+20).
- Applied some armor rock on the 2 horizontal to 1 vertical (2H:1V) portion of the slope.

PROBLEMS ENCOUNTERED AND PROPOSED SOLUTIONS

Dredging and Capping

- Hickey began doing cleanup passes on Berth 411 based on the DEA survey completed last week. Hickey had removed roughly 160 feet of this transition area identified in the DEA survey. There is about 30 cy remaining in the transition area between the higher elevation dredge cell against the sheetpile wall and the deeper area further from the bulkhead towards the middle of the slip. The sediment is dense and appeared to be native material due both to the gradation (sandy with gravels) observed and the fact that it is standing at an angle steeper than 2H:1V. This material would have required the heavier digging bucket to remove. The Port requested that this 30 cy of material not be removed as part of Phase I since the remainder of the area identified for cleanup passes appears to be dense native sediment. EPA concurred with this request.

Wheeler Bay Shoreline Stabilization

- The transition zone between the 2H:1V slope and the 3H:1V slope was adjusted based on field observations. This will allow the manhole to remain and provide a better transition. Details were developed on the surface treatment in the transition zone as described below. Riprap will be placed up to elevation 25 feet National Geodetic Vertical Datum (NGVD) as shown on drawings. Above this area the slope will be cut to 2H:1V with topsoil, coir fabric, and hydroseed applied to surface.

MONITORING ACTIVITIES PERFORMED

Dredging and Capping

- Water quality monitoring occurred during the dredging 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 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 activities that occurred during this reporting period.
- No water quality exceedances attributable to offloading were documented during the week (see Attachment E).

- As part of the sampling requirements specified in the City of Portland Bureau of Environmental Services (BES) Batch Discharge Request Permit for sanitary sewer discharge of the water generated during dredging, six samples (two samples per day) were collected from the lash barge on September 2, 3, and 6, 2008. The samples collected on September 2 and 6, 2008 are being analyzed by the Port's analytical laboratory. The samples collected on September 3, 2008 are being analyzed by the City of Portland BES. The last round of samples will be collected on September 8, 2008 and will be analyzed by the City of Portland BES.

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

- Continue dredging of the Berth 410 areas on Monday to meet final grade.
- Place the sand layer at the head of the slip.
- Begin 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

Nicole LaFranchise
Environmental Project Manager

Attachments:

- Table 1: Terminal 4 Removal Action Dredging Log Summary
- Table 2: Offloading Facility Tracking Log
- 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										
	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

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	20.6	10.2%
Overall Running production rate (cy/total work hours)	50	
Overall Running production rate (cy/actual dredge hours)	86	
Cable Arm production rate (cy/total work hours)	52	
Digging bucket production rate (cy/total work hours)	31	
Running efficiency (dredge hours/total work hours)	58%	
Percent of B411 "Plus" net line volume removed	134%	
Percent of B410 net line volume removed	175%	

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	Barge Total
Load	Date	Time Out	Truck No.	Barge	TICKET #	Tons	(tons)	(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**	

ATTACHMENT A

DAILY CONSTRUCTION MONITORING REPORTS FOR DREDGING AND CAPPING

ANCHOR ENVIRONMENTAL, L.L.C.

Daily Construction Report Number: 16

Work Hours: 06:00 to 18:00

Project Number: 050332-01 Day: Tuesday Date: 09/02/08

Weather AM: Clear L: 46 °F PM: Clear 73 °F

Tides:

Time	Height
06:30	+3.2

Contractor: Hickey Marine Sub:

Contractors Rep and Title: Darrell Jamieson (Project Superintendent)

Work Day Charge: NA Day: Reason:

Project Pictures? X Yes **X No** Subject: Wheeler Bay Habitat Cover Photos

Visitors: Andrew Somes (EPA)

Item #	Item Description	Quantity Today	√	Remarks
1	Dredging at Berth 410	5.25 hours		Quantity will be determined in morning by Darrell.

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

See next page.

Ben Hung
Resident Engineer

John Verduin
Project Engineer

ANCHOR ENVIRONMENTAL, L.L.C.

Diary (continued) Date: 09/02/08 Report Number: 16

06:00 Vessel Seledang Kasa in Berth. Sea Horse Derrick and barges in Slip 1.

06:30 Sea Horse Derrick and barges relocating to Slip 3.

07:40 Hickey now in position at West end of Berth 410. Barge Chetco is empty.

09:00 Turbidity boom now being pulled into position.

09:00 to 11:00 Hickey preparing to dredge, installing boom and turbidity curtain.

11:00 Dredging begins.

14:45 Kinder Morgan staff requested Hickey move additional 75 feet West along berth to allow vessel to move forward. Hickey relocated dredge.

15:35 Elevated turbidity reading reported at location 410-M.

16:00 WQ at turbidity compliance locations below trigger values.

17:15 Dredging completed for the day. Barge Chetco between 1/3 and ½ full, approximately. Hickey wrapping up operations for the day.

Ben Hung	John Verduin
Resident Engineer	Project Engineer

PORT OF PORTLAND

DAILY DIARY

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

CONTRACTOR Hickey Marine Inc. **SUPERINTENDENT** Darrell Jamison

DAY OF WEEK & DATE: Tues., Sept 2, 2008 **REPORT NO.** 16

WEATHER Partial clouds **TEMPERATURE** L 59 H 78

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:

(07:00 – 16:30) Contractor's working hours while dredging at berth 410

Crane dredged at end of B410, approx. 10'-40' from face of dock,
There is a ship at B410/411, but HME is able to continue dredging at this time without interrupting K/M's operations.
Barge Chetco #2 (7th barge total) is empty and being loaded
Oil water boom with silt curtain in place surrounding crane/derrick and barges.
Crew discharging waste water from Chetco to lash barge

Anchor sampled lash barge for chemical/analytical analysis per COP permit. Currently, there is approximately 225,000 gal of waste water in lash barge

According to Anchor, there have been no exceedance for water quality control tests during HME dredging operations at B410

(17:15) Crew left site after all equipment and booms were secured.

TESTING LABORATORY ON SITE: _____ **HRS:** _____

TESTS PERFORMED: _____

PHONE LOG:

SITE PHOTOS/VIDEOS TAKEN:

FORCE ACCOUNT WORK/ CHANGES ENCOUNTERED:

INSPECTOR Philipp G. Bales HRS _____ DATE 9-2-8
(signature on hardcopy)

DAILY REPORT OF OPERATIONS:

CONTRACT NO:

TO: P.O.P.	CONTRACTOR: HME	DATE(S) 9/2/08	REPORT NO: 16 CONTRACT DAY: 21

PROJECT AND BAR	NAME: TERMINAL 4 REMOVAL ACTION	AUTHORIZED DIMENSIONS: 120 x 950	WIDTH: 60	DEPTH: -41.02
	LOCATION: (include station no.) BERTH 410 station 115-125		OVERDEPTH: 1	
DREDGE	NAME & TYPE: SEA HORSE DREVO	SIZE: 135 TON	DIPPER OR BUCKET	
	HORSEPOWER OF 900		20 CY.CAP.	

NUMBER OF CREW MEMBERS				WORK SCHEDULE	
Dredge: 6	Shore:	Other: 1	Total: 7	Shifts per day: 1	Days per week: 7

CHANNEL CONDITION	AVERAGE	BEFORE DREDGING -38.9	AFTER DREDGING -41.5	MINIMUM	BEFORE DREDGING -38.7	AFTER DREDGING -41.2

CHARACTER OF MATERIAL AND PERCENTAGE						
GRAVEL		MUD	36	STONE		
SAND	2	CLAY		HARDPAN		
SILT	60	OTHERS	2			

WORK PERFORMED		
AVERAGE WIDTH OF CUT	FEET	60
TOTAL ADVANCE THIS PERIOD	FEET	100
TOTAL ADVANCE PREVIOUS TO THIS PERIOD	FEET	2105
TOTAL ADVANCE TO DATE	FEET	2205
WATER PUMPED THIS PERIOD	GALLONS	2681
WATER PUMPED PREVIOUS TO THIS PERIOD	GALLONS	222,617
TOTAL WATER PUMPED TO DATE	GALLONS	225,298
AVERAGE DREDGED PER PUMP HOUR, GROSS	CU. YD	101
SCOWS LOADED	NUMBER	
AVERAGE LOAD PER SCOW	CU. YD	

CUBIC YARDS REMOVED	
AMOUNT DREDGED THIS PERIOD: BERTH 410	
(1) GROSS (computed amount) 652 - 17 = 635	
(2) CREDITED (pay place)	
AMOUNT PREVIOUSLY REPORTED:	
(1) GROSS (computed amount) 1426	
(2) CREDITED (pay place)	
AMOUNT DREDGED TO DATE:	
(1) GROSS (computed amount) 2061	
(2) CREDITED (pay place)	

ATTENDANT PLANT		
ITEM	NAME OR NUMBER	HOURS
MATERIAL BARGE	CHETCO	
TUG	HUSKY	
WATER BARGE	LASH COMBO	
TUG	DEBRA	
CREW / SURVEY	DIGBY	

Has anything developed which might lead to a change order or claim:
4 men 3 hours setting up Turbidity Boom

DISTRIBUTION OF TIME		
EFFECTIVE WORKING TIME (chargeable to cost of work)	HOURS	MIN
DREDGING	6	15
NON-EFFECTIVE WORKING TIME		
HANDLING ANCHOR LINES		
WAITING FOR SCOWS		
TO AND FROM WARF OR ANCHORAGE		
CHANGING LOCATION OF PLANT ON JOB		45
LOSS DUE TO OPPOSING NATURAL ELEM.		
LOSS DUE TO PASSING VESSELS		
SHORE LINE AND SHORE WORK		15
MINOR OPER. REPAIRS (explain below)	1	30
WAITING FOR ATTENDANT PLANT		
PREPARATION AND MAKING UP TOW		
TRANSFERRING PLAN BETWEEN WORKS		
LAY TIME OFF SHIRT AND SATURDAYS		
SUNDAYS AND HOLIDAYS		
SAFETY MEETING		15
WATER PUMPING		
TOTAL NON-EFFECTIVE WORKING TIME	5	45
TOTAL EFFECTIVE AND NON-EFFECTIVE TIME (chargeable to cost of work)	12	
LOST TIME (chargeable to cost of work)		
MAJOR REPAIRS AND ALTERATIONS:		
CESSATION:		
MISCELLANEOUS: Turbidity Boom	3	
TOTAL LOST TIME:		
TOTAL TIME IN PERIOD:	3	

ALL WORK PERFORMED DURING THIS PERIOD COMPLIES 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

CRANEWORK & DREDGING

M	~~T~~	W	TH	F	S	S

Job Name Terminal 4 Removal Action Date 9/2/2008

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 Husky, Sea Horse, Lash Barge

Equipment Safety Checks Performed? Yes / No

Personal Protective Equipment Safety Checks Performed ? Yes / No

Work performed today

06:00 - 06:30 Warm up
06:30 - 7:15 Move from 408 to 410 station 115
7:15 - 10:30 Set up to Dig, Install Turbidity Boom 3 has 4 min
10:30 - 10:45 Safety Meeting
10:45 - 17:00 Load Chetco
17:00 - 18:00 Fuel, Service, Secure

Extra work or delays (authorized by)

Install Turbidity Boom, Heavy current making it very Difficult to set. Anchors would not Hold.

4 new 3 has.

Sign

Form #3

T-4/ The Dalles Offload Site
Daily Inspection Checklist

Date 9/2/08

1) Safety Meeting: Agenda: Scope of Work, Ship Schedule, Tyvek, Monitor 13 for traffic

Attendees:

Derrick SEAHORSE ☑

Derrick Sea Vulture ☐

2) Crane Inspection: ☑ "Attach Operator Log/Inspection Log"

3) Plant Inspection ☑

	Deficiencies:	Date	Date Corrected
1	Ballast Lights in Basement	8/21	
2	NO Plug in Bottom of Shark	9/2	9/2
3	Starter switch left on position on 3" Trash pump	8/29	9/2

4) Staff Gage Check ☑

Time	Tideboard	Tide Track
7:00	3.8	3.79
10:30	3.1	3.05
14:30	1.4	1.39

5) Main Fuel Tank Levels ☑

	Port	Starboard
Height	52	
Gallons	5200	
per day	150	

Position Verfication

6) Survey Boat ☐ Hull Depth _____ Boat

Fuel ☐ Sound Velocity _____ X _____

Latency _____ Y _____

Port NO SURVEY DUE TO SHIP

Starboard _____

Control Point

X _____

Y _____

7) Dredge Material Weight ☑ 105 pounds per cubic foot

8) Dredge Boom Tip Verification X 7619998.88

Y 713222.90

#30 Control Point X 7619999.36

Y 713223.37

9) Containment and Truck Load Area Clean ☐ Dust Suppression ☐

Fabric ☐ Spill Plates ☐

10) Lash Barge: Draft PB 6.9 SB 7.9 Gallons Pumped Today 10 TON = 2,681

Keep within 2 ft of trim PS 6.5 SS 7

Total Gallons 225,298

Tank Sounding #1 50" #3 39"

#2 32" #4 47"

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 Draft PB 3.8 SB 3.8 MT Tons 1060 Total Tons

CHETCO MT PS 3.6 SS 3.6 920

Total Yards

Draft PB 3 SB 4 LD Tons 1980 635

LD PS 9.6 SS 10.6

HME
CRANEWORK & DREDGING

DAILY QUALITY CONTROL REPORT

Daily Report No. 16 Date: 9/2/08

Contract No.

Project Title: Terminal 4 Removal Action Location: Berth 410

Weather: Clear Temperature: 62 Min. 78 Max

1. Contractor/Subcontractors and Area of Responsibility:

NUMBER	TRADE	HOURS	EMPLOYER	LOCATION/DESCRIPTION OF WORK
6	Dredge	12	HME	410 / Dredge
1	Survey	8	ETRAC	410 / Progress Survey

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

Plant/Equipment	Date of Arrival/Departure	Date of Safety Check	Hours Used	Hours Idle	Hours Repair
Sea Horse	8/18	9/2	6 15	4 15	1 30
Chetco	8/29	9/2	12		
Husky	8/18	9/2	4	8	
Lash Barge	8/18	9/2	12		
Piggy	8/18	9/2	4	8	
Debra	8/18	9/2	4	8	

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

Move Dredge from B 408 to 410 as close to ship as possible, (station 115). Set out Turbidity Boom, crew's have Difficulty with

CURRENT. DREDGE FROM 115 TO 125. 17 YARDS OVERAGE WAS CLAIMED ON FRIDAY'S REPORT AND SUBTRACTED FROM TODAY'S TOTAL. NO PROGRESS SURVEY PERFORMED TODAY DUE TO SHIP AT BERTH

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. ANCHOR COLLECTED WATER SAMPLES FROM LASH BARGE IN TANKS 2-4

2. TURBIDITY BOOM HAS BECOME A CONSTENT BATTLE DURING DREDGING OPERATIONS ON CUT OUTSIDE OF BERTH.

3. Offsite surveillance activities, including action taken:

TALKED WITH BRUCE CRAVEN (KINDER MORGAN TERMINAL MANAGER) ON SHIP DEPARTURE SCHEDULE

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

1. HARD HATS AND PFDS WORN DURING CREW BOAT RIDE
2. EYE PROTECTION WORN DURING DISCONNECTING PUMP HOSES
3. COORDINATE WITH DOCK WORKERS DURING SHIP FLEATING TO KEEP MATERIAL BARGE AND DREDGE CLEAR AND NOT IMPACT PRODUCTION

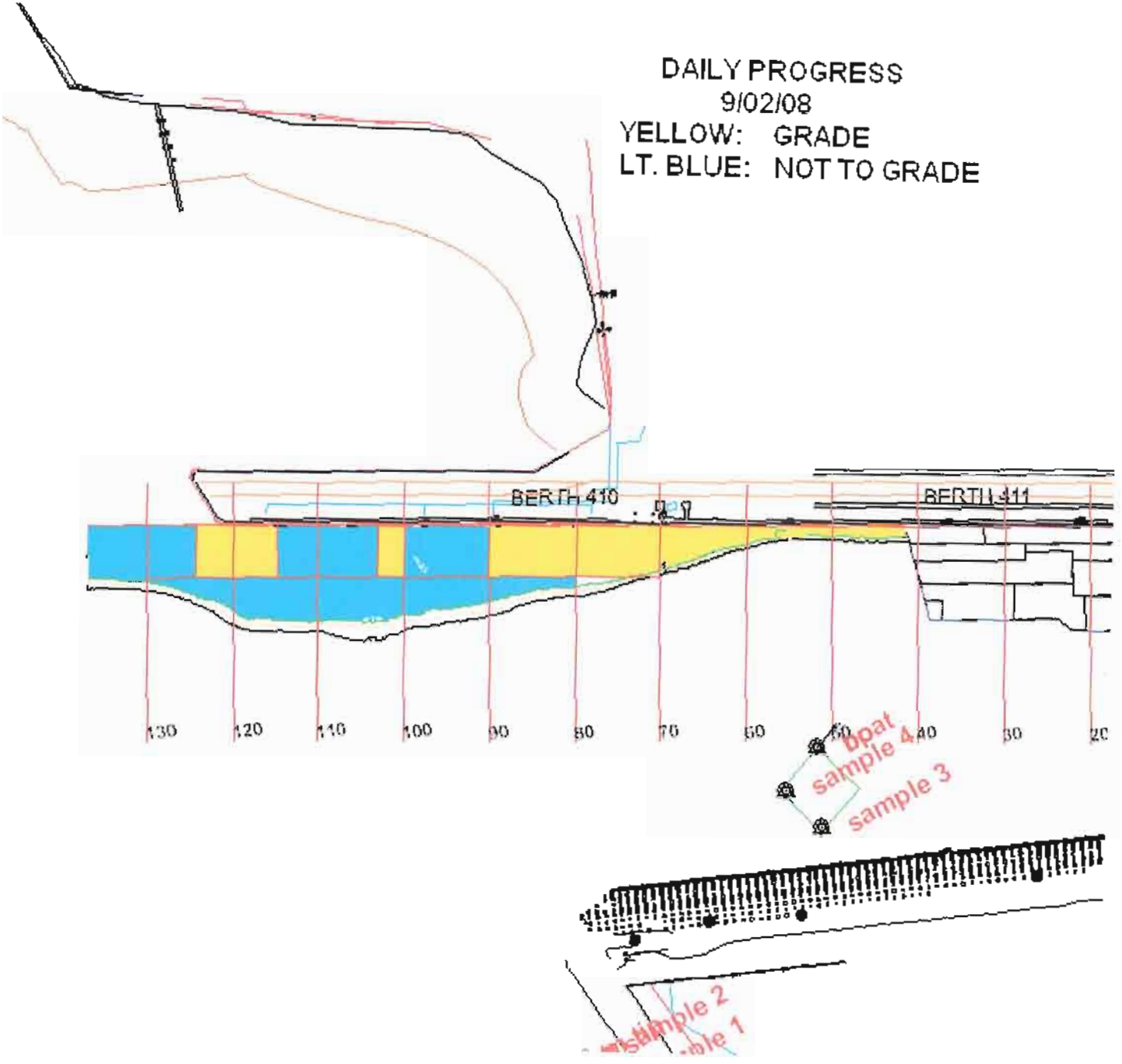
5. Remarks: (Instructions received or given. Conflict(s) in plans and/or specifications).

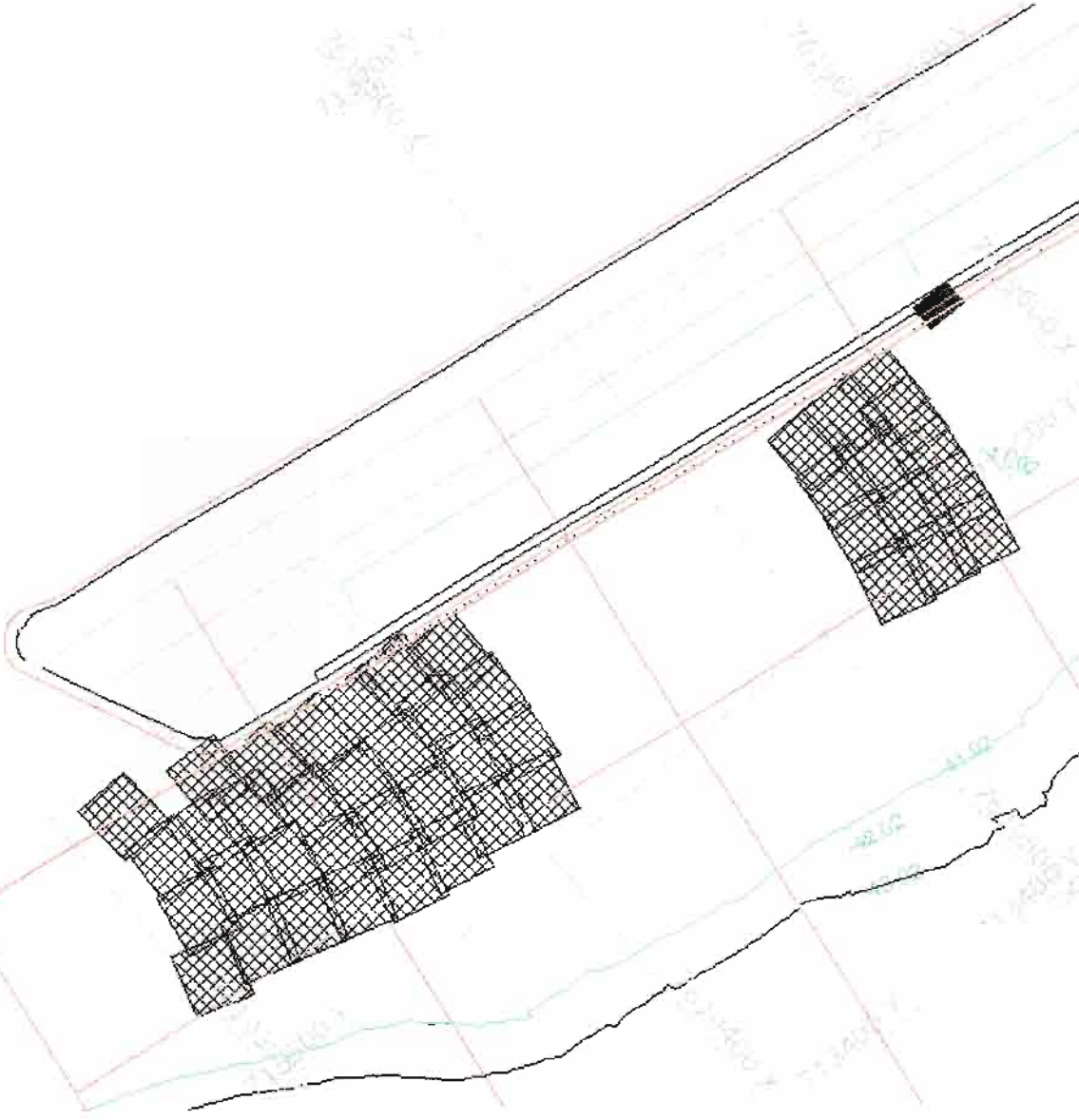
TURBIDITY BOOM CONTINUES TO IMPACT DREDGING PRODUCTION, MEN MUST TEND TO BOOM FREQUENTLY, RESULTING IN TIME SPENT OFF DREDGE. RECIEVED WORD TO CLEAN UP ALL AREA HI SPOTS BETWEEN CELLS. THIS MUST BE DONE WITH A DIGGING BUCKET. HME WILL ARGUE THIS POINT TODAY AT THE PROGRESS MEETINGS

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: [signature]

Date: 9/3/08


DAILY PROGRESS
9/02/08
YELLOW: GRADE
LT. BLUE: NOT TO GRADE
BERTH 410
BERTH 411
130
120
110
100
90
80
70
60
50
40
30
20
bpat
sample 4
sample 3
sample 2
sample 1



Dredge T

7619316.12	713587.25	0.00	87.94	19.00	17.00	61919
7619318.12	713569.77	0.00	93.61	19.00	17.00	61563
7619314.33	713552.78	0.00	100.75	19.00	17.00	61340
7619305.69	713536.75	0.00	107.05	19.00	17.00	61163
7619321.98	713535.27	0.00	106.69	19.00	17.00	59487
7619329.27	713552.41	0.00	100.80	19.00	17.00	59175
7619331.37	713568.10	0.00	95.63	19.00	17.00	58975
7619336.27	713531.45	0.00	107.67	19.00	17.00	57321
7619341.46	713548.05	0.00	102.12	19.00	17.00	57100
7619344.19	713565.19	0.00	96.39	19.00	17.00	56752
7619341.71	713580.06	0.00	91.89	19.00	17.00	56465
7619350.73	713527.06	0.00	107.41	19.00	17.00	54328
7619356.55	713539.49	0.00	99.19	19.00	17.00	53555
7619357.93	713555.47	0.00	93.46	19.00	17.00	52740
7619356.99	713572.80	0.00	87.87	19.00	17.00	52400
7619364.84	713522.03	0.00	104.04	19.00	17.00	51474
7619369.93	713536.43	0.00	99.29	19.00	17.00	51039
7619372.64	713552.02	0.00	94.41	19.00	17.00	50658
7619372.49	713570.22	0.00	88.78	19.00	17.00	50139
7619380.02	713519.90	0.00	105.36	19.00	17.00	47742
7619385.05	713533.96	0.00	100.51	19.00	17.00	47314
7619387.91	713550.95	0.00	94.31	19.00	17.00	46935
7619386.75	713567.65	0.00	88.19	19.00	17.00	46593
7619395.02	713520.29	0.00	103.80	19.00	17.00	44934
7619401.12	713536.76	0.00	98.06	19.00	17.00	44697
7619402.98	713552.71	0.00	93.27	19.00	17.00	44453
7619401.30	713567.59	0.00	88.56	19.00	17.00	44251
7619408.69	713517.09	0.00	103.78	19.00	17.00	44033
7619414.01	713532.34	0.00	99.02	19.00	17.00	43762
7619416.02	713547.90	0.00	94.38	19.00	17.00	43231
7619415.77	713562.69	0.00	90.10	19.00	17.00	42877

ANCHOR ENVIRONMENTAL, L.L.C.

Daily Construction Report Number: 17

Work Hours: 06:30 to 18:00

Project Number: 050332-01 Day: Wednesday Date: 09/03/08

Weather AM: Clear L: 46 °F PM: Clear 73 °F

Tides:

Time	Height

Contractor: Hickey Marine Sub:

Contractors Rep and Title: Darrell Jamieson (Project Superintendent)

Work Day Charge: NA Day: Reason:

Project Pictures? X Yes **X No** Subject: Wheeler Bay Habitat Cover Photos

Visitors: Andrew Somes (EPA)

Item #	Item Description	Quantity Today	√	Remarks
1	Dredging at Berth 410			Quantity will be determined in morning by Darrell.

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

See next page.

John Verduin
Resident Engineer

John Verduin
Project Engineer

ANCHOR ENVIRONMENTAL, L.L.C.

Diary (continued) Date: 09/03/08 Report Number: 17

06:00 Vessel Seledang Kasa in Berth.

06:30 Sea Horse Derrick using a 20 cy cable arm bucket begin dredging. The haul scow Chetco is being filled.

8:30 to 12:00 Verduin at weekly dredge and capping construction meeting and Wheeler Bay construction meeting.

12:00 Water quality monitoring completed. No exceedances at the points of compliance.

13:00 to 14:15 Verduin at weekly EPA construction meeting.

15:00 Scow Chetco filled to capacity and prepared for hauling to the offloading facility.

15:30 Hickey completes survey of site.

15:45 Longshoreman informs us that the vessel in the berth will leave the berth tonight around midnight. No other vessels are anticipated in the slip until Tuesday.

15:50 Scow Umpqua arrives at site

John Verduin	John Verduin
Resident Engineer	Project Engineer

PORT OF PORTLAND

DAILY DIARY

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 3, 2008 **REPORT NO.** 17

WEATHER Partial clouds **TEMPERATURE** L 59 H 78

NUMBER/CLASS OF CONTRACTOR'S PERSONNEL:	MAJOR EQUIPMENT ON JOB (Size/capacity and hours):
Hickey Dredge Crew: Superintendent Crane operator 3 Deck hands	Crane/Derrick with 2 Barge/Scow

CHRONOLOGICAL ACCOUNT OF DAY'S WORK:

(06:30 – 16:30) Contractor's working hours while dredging at berth 410

(06:30) Crane's first bucket in water and continues to dredge at end of B410, approx. 10'-60' from face of dock,
There is still a ship at B410/411, but HME is able to continue dredging at this time without interrupting K/M's operations.
Barge Chetco #3 (7th barge total) continues to be loaded
Freeboard: 6.5 bow
Tide: 3.5 CRD
Oil water boom with silt curtain in place surrounding crane/derrick and barges.
Crew discharging waste water from Chetco into lash barge

(08:30) Weekly project meeting held at T4 admin building. Some topics of discussions included:
1)HME pile driving crew still has approx. 13 piles remaining to install at B410/411
2)HME dredging crew will be working this weekend either continue dredging at B410 or if capping material is approved, HME will cap B411 "plus" area and will schedule diver to confirm placement.
3)RFI #8 has been approved by EPA and HME pile driving crew will begin removing existing piles at head of slip 3 starting Thurs., 9-4, or Fri. 9-5
4)City of Portland is scheduled to sample HME lash barge this afternoon.

Anchor has already sampled lash barge for chemical/analytical analysis per COP permit. Currently, there is approximately 225,000 gal of waste water in lash barge

According to Anchor, there have been no exceedance for water quality control tests during HME dredging operations at B410

(15:00) Crane stopped dredging for the day. Barge Chetco #3 is full of sediment and is being switched out with Umpqua #3 (8th total barge to date). Silt curtain being relocated and being tracked on force account.

(17:35) Crew left site after all equipment and booms were secured.

TESTING LABORATORY ON SITE: _____ **HRS:** _____

TESTS PERFORMED: _____

PHONE LOG:

PORT OF PORTLAND

DAILY DIARY

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 3, 2008 **REPORT NO.** 17

WEATHER Partial clouds **TEMPERATURE** L 59 H 78

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

INSPECTOR Philipp G. Bales HRS DATE 9-3-8
(signature on hardcopy)

DAILY REPORT OF OPERATIONS: CONTRACT NO:

TO: P.O.P.	CONTRACTOR: HME	DATE(S) 9/3/08	REPORT NO: 17 CONTRACT DAY: 22

PROJECT AND BAR	NAME: Terminal 4 Removal Action	AUTHORIZED DIMENSIONS: 120 x 950	WIDTH: 60	DEPTH: -41.02
	LOCATION: (include station no.) Berth 410 station 125 - 135		OVERDEPTH: 1	
DREDGE	NAME & TYPE: Sea Horse Drevo	SIZE: 135 Ton	DIPPER OR BUCKET:	
	HORSEPOWER OF 900		20 CY.CAP.	

NUMBER OF CREW MEMBERS				WORK SCHEDULE	
Dredge: 6	Shore:	Other: 1	Total: 7	Shifts per day: 1	Days per week: 7

CHANNEL CONDITION	AVERAGE	BEFORE DREDGING	AFTER DREDGING	MINIMUM	BEFORE DREDGING	AFTER DREDGING
		-38.7	-41.5		-38.1	-41.2

CHARACTER OF MATERIAL AND PERCENTAGE						
GRAVEL		MUD	28	STONE		
SAND	2	CLAY		HARDPAN		
SILT	70	OTHERS				

WORK PERFORMED		
AVERAGE WIDTH OF CUT	FEET	60
TOTAL ADVANCE THIS PERIOD	FEET	100
TOTAL ADVANCE PREVIOUS TO THIS PERIOD	FEET	2205
TOTAL ADVANCE TO DATE	FEET	2305
WATER PUMPED THIS PERIOD	GALLONS	16,087
WATER PUMPED PREVIOUS TO THIS PERIOD	GALLONS	225,298
TOTAL WATER PUMPED TO DATE	GALLONS	241,385
AVERAGE DREDGED PER PUMP HOUR, GROSS	CU. YD	127
SCOWS LOADED Chetco	NUMBER	1,654 yds
AVERAGE LOAD PER SCOW	CU. YD	

CUBIC YARDS REMOVED	
AMOUNT DREDGED THIS PERIOD: Berth 410	
(1) GROSS (computed amount)	1,019
(2) CREDITED (pay place)	
AMOUNT PREVIOUSLY REPORTED: Error made on 8/28 Report	
(1) GROSS (computed amount)	2777 New Total
(2) CREDITED (pay place)	
AMOUNT DREDGED TO DATE:	
(1) GROSS (computed amount)	3,796
(2) CREDITED (pay place)	

ATTENDANT PLANT

ITEM	NAME OR NUMBER	HOURS
Material Barge	Chetco	10
Material Barge	Umpqua	2
Tug	Husky	11
Water Barge	Lash	11
Tug	Debra	11
Survey / crewboat	Pinky	11

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

2 men 1 hour move Boom for ship

DISTRIBUTION OF TIME		
EFFECTIVE WORKING TIME (chargeable to cost of work)	HOURS	MIN
DREDGING	8	
NON-EFFECTIVE WORKING TIME		
HANDLING ANCHOR LINES		
WAITING FOR SCOWS		
TO AND FROM WARF OR ANCHORAGE		
CHANGING LOCATION OF PLANT ON JOB		
LOSS DUE TO OPPOSING NATURAL ELEM.		
LOSS DUE TO PASSING VESSELS		
SHORE LINE AND SHORE WORK		
MINOR OPER. REPAIRS (explain below)		45
WAITING FOR ATTENDANT PLANT		
PREPARATION AND MAKING UP TOW		
TRANSFERRING PLAN BETWEEN WORKS	1	
LAY TIME OFF SHIRT AND SATURDAYS		
SUNDAYS AND HOLIDAYS		
SAFETY MEETING		15
WATER PUMPING		
TOTAL NON-EFFECTIVE WORKING TIME	3	
TOTAL EFFECTIVE AND NON-EFFECTIVE TIME (chargeable to cost of work)	11	
LOST TIME (chargeable to cost of work)		
MAJOR REPAIRS AND ALTERATIONS:		
CESSATION:		
MISCELLANEOUS: Move Tuesday Boom	1	
TOTAL LOST TIME:		
TOTAL TIME IN PERIOD:	1	

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

CRANEWORK & DREDGING

M	T	W	TH	F	S	S

Job Name TERMINAL 4 REMOVAL ACTION Date 9/3/08

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, LASH BARGE, HUSKY

Equipment Safety Checks Performed? ~~Yes~~ / No

Personal Protective Equipment Safety Checks Performed ? ~~Yes~~ / No

Work performed today

06:00 - 06:15 SAFETY MEETING

06:15 - 07:00 WARM UP

7:00 - 15:00 LOAD CHETCO #7 STATION 125 END STATION 135

15:00 - 16:00 MOVE TURBIDITY BOOM

16:00 - 16:30 SWAP LOADED CHETCO FOR MT UMPQUA

16:30 - 17:00 TBL MOVES SEA HORSE AND EQUIPMENT to 4/4

17:00 - SECURE

Extra work or delays (authorized by)

2 MEN 1 hour MOVE BOOM for ship.

Sign

Form #3

T-4/ The Dalles Offload Site
Daily Inspection Checklist

Date 9/3/08

1) Safety Meeting: Agenda: Block Stops, Scope of work, Ship schedule

Attendees:

Derrick SEAHORSE ☑

Derrick Sea Vulture ☐

2) Crane Inspection: ☑ "Attach Operator Log/Inspection Log"

3) Plant Inspection ☑

Deficiencies:	Date	Date Corrected
1 Ballast Lights	8/21	
2 Deck Block Guard	9/3	
3. Spring line Replace	9/3	
4. Repair 3" Trash pump	8/23	9/3

4) Staff Gage Check ☑

Time	Tideboard	Tide Track
6:25	2.3	2.33
14:30	1.6	1.57

5) Main Fuel Tank Levels ☑

	Port	Starboard
Height	51	NA
Gallons	5100	
Consumption per day	100	

6) Survey Boat ☑
Fuel ☑

Port 1/2
Starboard 1/2

Hull Depth .7
Sound Velocity 4864
Latency .000

Position Verfication
Boat
X 7619999.31
Y 713223.30

#30 Control Point
X 7619999.36
Y 713223 .37

7) Dredge Material Weight ☑ 105 pounds per cubic foot

8) Dredge Boom Tip Verification
X 7619999.15
Y 713224.01

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 6.9 SB 6.7
PS 7.5 SS 6.4

Gallons Pumped Today 60 Tow = 16,087

Total Gallons 241,385

Tank Sounding
#1 50 #3 39
#2 33 #4 48

23.7 gallons per cubic yard

11) Baker Tank Level #1 _____ #2 _____

12) De con Stations
Clean ☑
Inventory ☑

13) Dust Suppression
Location NA Time _____ Reading _____
Location _____ Time _____ Reading _____
Location _____ Time _____ Reading _____
Location _____ Time _____ Reading _____
Location _____ Time _____ Reading _____

Background
NA

14) Material Barge
CHETCO

Draft
MT
PB 3 SB 4
PS 9.6 SS 10.6

MT Tons 1980

Total Tons
1437

Draft
LD
PB 10.7 SB 10.7
PS 11.8 SS 11.8

LD Tons 3417

Total Yards
1019

CHETCO LOADED 1,654 cu yds

HME
CRANEWORK & DREDGING

DAILY QUALITY CONTROL REPORT

Daily Report No. 17 Date: 9/3/08

Contract No. _____

Project Title: Terminal 4 Removal Action Location: Berth 410

Weather: CLEAR Temperature: 60 Min. 77 Max

1. Contractor/Subcontractors and Area of Responsibility:

NUMBER	TRADE	HOURS	EMPLOYER	LOCATION/DESCRIPTION OF WORK
6	Dredge	11	HME	Berth 410 / Dredge
1	Survey	8	ETRAC	Berth 410 / Progress Survey

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

Plant/Equipment	Date of Arrival/Departure	Date of Safety Check	Hours Used	Hours Idle	Hours Repair
Sea Horse	8/18	9/3	8	2	1
Chetco	8/29 9/3	9/3	10		
Umpqua	9/3	9/3	1		
Lash Barge	8/18	9/3	11		
Husky	8/18	9/3	4	7	
Piggy	8/18	9/3	11		
Debra	8/18	9/3	4	7	

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

Dredge 410 station 125-135 Along Fender line. Shipped loaded Chetco @ 16:00 (1654 cu yds.) Pumped 16,087 gallons of water

AND 241,385 GALLONS TOTAL. DREDGED 3,796 YARDS FROM BERTH 410 TO DATE, AND 10,155 CU YDS TOTAL FROM 410-411. 20' REMAINING ON FENDER LINE (CUT 1) PASS, TOMORROW WE WILL START AT STATION 80 ON CUT 2 AND WORK OUR WAY OUT SINCE SHIP HAS LEFT BERTH

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. CITY OF PORTLAND TOOK WATER SAMPLES FROM LASH BARGE AT 11:00 IN TANKS 2-4. SAMPLES FROM TANKS 1-3 WILL BE DONE SATURDAY AND MONDAY
2. WQ COMPLIANCE TESTS PASSED

3. Offsite surveillance activities, including action taken:

DISCOVERED ERROR MADE ON 8/28 REPORT ON YARDAGE DREDGED IN 410. MADE UP DIFFERENCE ON TODAYS REPORT. OLD TOTAL 2061 9/2. NEW TOTAL 2777 9/2

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

1. COORDINATE WITH LONGSHOREMEN DURING SHIP LOADING
2. INSTRUCTED CREWS TO PLACE LIGHTS ON BARGE CORNERS
3. PAINT HANDRAILS ON BARGES SAFETY YELLOW
4. INSTRUCT CREWS TO DO INVENTORY ON PPE SUPPLIES.

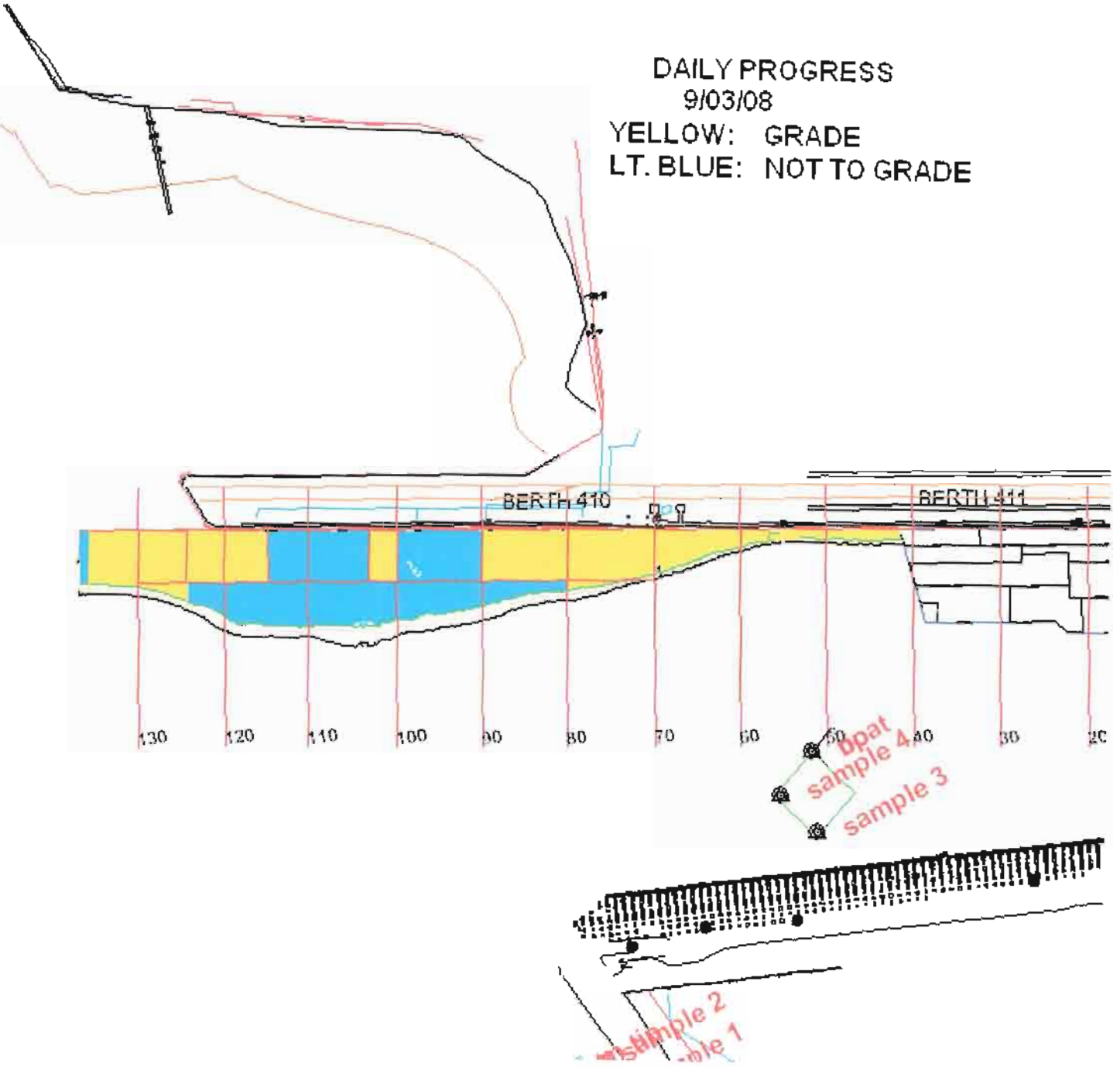
5. Remarks: (Instructions received or given. Conflict(s) in plans and/or specifications).

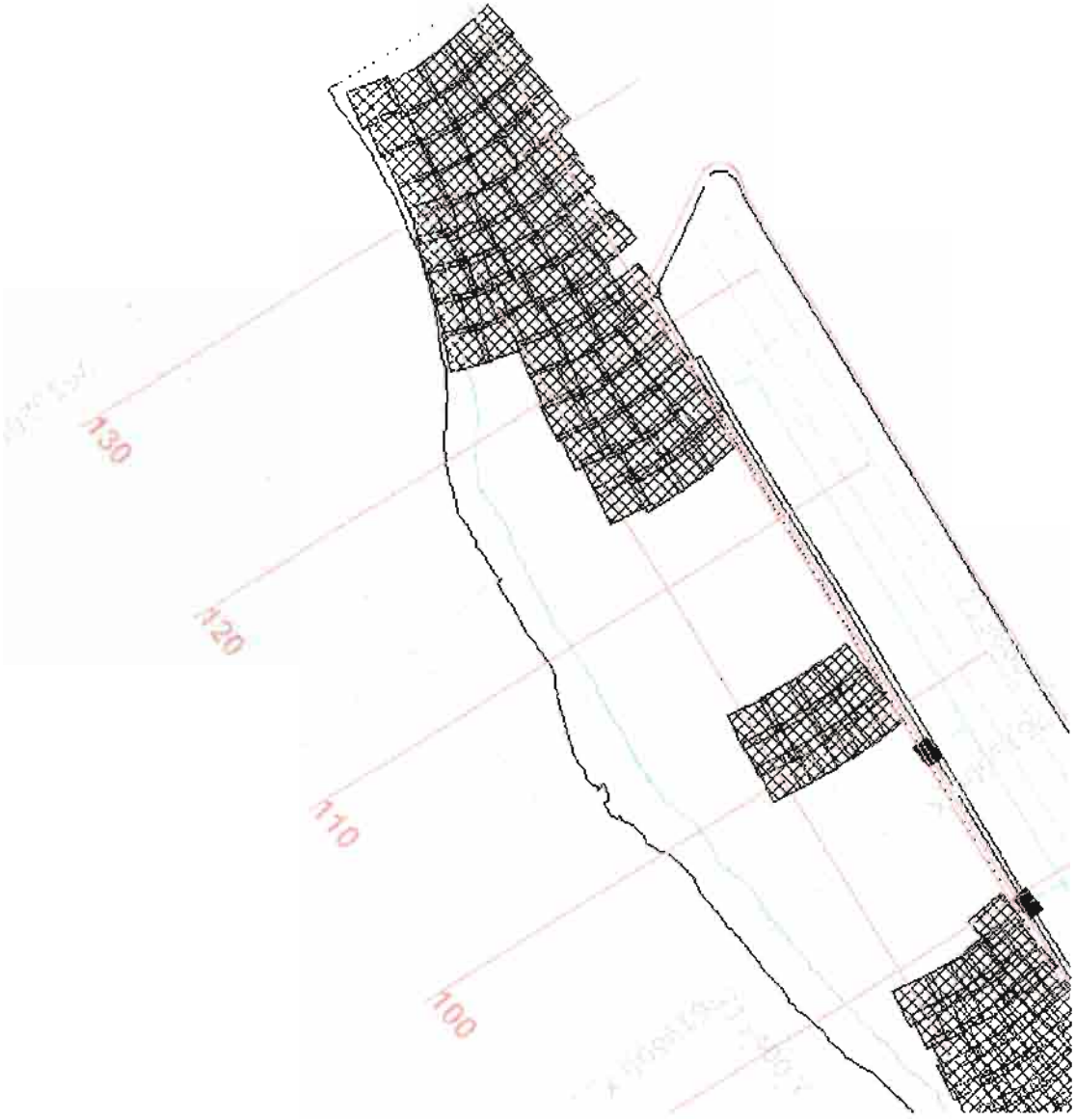
1 RECIEVED WORD FROM P.O.P. THAT DEA POST SURVEY OF 411 WAS ACCEPTABLE AND NO CLEAN UP WILL BE REQUIRED.
2 APPEARS THAT WE HAVE ENOUGH CAPACITY IN THE LASH BARGE TO HOLD THE REMAINING WATER WE GENERATE TO COMPLETE BERTH 410

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

9/4/08


DAILY PROGRESS
9/03/08
YELLOW: GRADE
LT. BLUE: NOT TO GRADE
BERTH 410
BERTH 411
130
120
110
100
90
80
70
60
50
40
30
20
0pat
sample 4
sample 3
sample 2
sample 1


130
120
110
100

Dredge T

7619210.88	713603.13	0.00	86.60	19.00	17.00	52987
7619210.97	713593.46	0.00	89.65	19.00	17.00	52658
7619211.16	713577.12	0.00	95.52	19.00	17.00	52130
7619208.81	713560.74	0.00	101.19	19.00	17.00	51804
7619201.78	713544.55	0.00	107.02	19.00	17.00	51511
7619225.68	713602.11	0.00	85.86	19.00	17.00	48230
7619226.64	713590.64	0.00	89.79	19.00	17.00	48001
7619224.41	713559.15	0.00	101.32	19.00	17.00	47794
7619216.94	713542.30	0.00	108.10	19.00	17.00	47207
7619226.74	713574.65	0.00	95.66	19.00	17.00	46280
7619241.81	713599.80	0.00	86.43	19.00	17.00	45130
7619241.73	713590.57	0.00	89.66	19.00	17.00	44892
7619241.66	713572.85	0.00	95.61	19.00	17.00	44547
7619238.57	713555.57	0.00	101.61	19.00	17.00	44123
7619232.47	713539.05	0.00	106.92	19.00	17.00	43941
7619256.71	713598.42	0.00	87.74	19.00	17.00	42560
7619257.10	713586.46	0.00	91.09	19.00	17.00	42087
7619257.36	713568.86	0.00	96.32	19.00	17.00	41862
7619253.50	713551.18	0.00	101.85	19.00	17.00	41640
7619247.33	713534.89	0.00	106.74	19.00	17.00	41206
7619259.04	713531.17	0.00	115.20	19.00	17.00	39486
7619271.48	713525.02	0.00	115.57	19.00	17.00	39202
7619285.45	713519.86	0.00	114.90	19.00	17.00	38917
7619289.16	713526.90	0.00	112.89	19.00	17.00	38673
7619298.60	713513.09	0.00	115.09	19.00	17.00	38570
7619303.56	713523.51	0.00	111.48	19.00	17.00	38459
7619311.98	713505.55	0.00	115.86	19.00	17.00	37524
7619318.57	713520.71	0.00	111.21	19.00	17.00	37310
7619271.83	713590.93	0.00	88.60	19.00	17.00	35307
7619273.49	713573.89	0.00	94.71	19.00	17.00	34966
7619271.02	713556.61	0.00	100.65	19.00	17.00	34670
7619265.70	713541.10	0.00	107.12	19.00	17.00	32819
7619286.03	713589.79	0.00	88.92	19.00	17.00	32147
7619288.61	713572.66	0.00	94.86	19.00	17.00	31892
7619285.18	713555.24	0.00	100.59	19.00	17.00	31509
7619278.64	713538.40	0.00	106.23	19.00	17.00	30958
7619291.92	713535.27	0.00	106.55	19.00	17.00	29626
7619299.19	713553.08	0.00	100.55	19.00	17.00	29397
7619303.19	713568.55	0.00	95.90	19.00	17.00	29208
7619301.95	713584.63	0.00	90.70	19.00	17.00	28606

ANCHOR ENVIRONMENTAL, L.L.C.

Daily Construction Report Number: 18

Work Hours: 06:30 to 18:00

Project Number: 050332-01 Day: Thursday Date: 09/04/08

Weather AM: Clear L: 50 °F PM: Clear 78 °F

Tides:

Time	Height
8:30	2.9' CRD
11:20	2.2' CRD
13:50	1.1' CRD

Contractor: Hickey Marine Sub:

Contractors Rep and Title: Darrell Jamieson (Project Superintendent)

Work Day Charge: NA Day: Reason:

Project Pictures? X Yes **X No** Subject: Wheeler Bay Habitat Cover Photos

Visitors: Andrew Somes (EPA)

Item #	Item Description	Quantity Today	√	Remarks
1	Dredging at Berth 410			Quantity will be determined in morning by Darrell.

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

See next page.

John Verduin
Resident Engineer

John Verduin
Project Engineer

ANCHOR ENVIRONMENTAL, L.L.C.

Diary (continued) Date: 09/04/08 Report Number: 18

8:00 Hickey begins dredging using the dredge Sea Horse, scow Chetco and the 20 cy cable arm bucket. They were delayed in their start time due to the fender pile crew.

8:15 observed dredging cycles. Cycles averaged 4 minutes ranging from 3.5 to 5 minutes in length. Hickey was dredging at Sta 83 digging 44 feet. Some small debris encountered which prevented tight closer of bucket occasionally.

8:15 to 8:30 Hickey surveyed the head of slip 3 cap area

8:40 to 9:00 Hickey surveyed area dredged yesterday

8:45 to 8:50 Hickey moved their dredge outward

8:45 Darrell contacted Anchor that Hickey planned on cutting the piles at the head of the slip around 10:00 today. Anchor notified Andrew of Parametrix

10:20 Hickey began mobilizing the fender pile equipment and crew to the Head of Slip 3 capping area for pile cutting. Equipment consisted of the derrick Seahawk, tug Viking, and two haul barges. Crew consisted of 4 workers including crane operator.

10:45 Hickey dredging at Sta 91. Anchor notified Hickey that silt curtain was not around dredge and scow—wind and current had shifted the current. Hickey immediately move the silt curtain to tighter around the dredge plant.

10:40 to 12:00 Hickey removed the piles at the Head of Slip 3. The procedure entailed encompassing the water around the pile with a sorbent boom; securing the choker chain attached to the crane to the top of the pile using a cherry picker located on the material barge; cutting the pile about 1 to 2 feet above the water surface using a chain saw; and then lifting the cut pile onto the material barge. The only materials that entered the water were the chain saw cuttings and the cuttings were captured within the boom.

11:00 to 11:25 The water quality crew measured field parameters around the dredge. No exceedances were noted.

11:35 Hickey is dredging at Sta 92 using 4 to 5 minute dredge cycles. Cutting to elevation -41' CRD with each bucket.

14:00 Hickey is dredging at Sta 95 digging to around elevation -43' CRD. Cycles were around 4 minutes in length. Some small debris noted. Buckets filled to about ¾ full.

15:40 Hickey is dredging between Sta 95 and 101 further off the bulkhead face. Cycle times vary from 3.5 to 5 minutes. Occasional cables are encountered. Buckets are typically ½ to ¾ full. Material is very silty sand.

16:45 Hickey is done dredging for the day.

John Verduin	John Verduin
Resident Engineer	Project Engineer

PORT OF PORTLAND

DAILY DIARY

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 4, 2008 **REPORT NO.** 18

WEATHER Partial clouds **TEMPERATURE** L 57 H 76

NUMBER/CLASS OF CONTRACTOR'S PERSONNEL:	MAJOR EQUIPMENT ON JOB (Size/capacity and hours):
Hickey Dredge Crew: Superintendent Crane operator 3 Deck hands	Crane/Derrick with 2 Barge/Scow

CHRONOLOGICAL ACCOUNT OF DAY'S WORK:

(06:30 – 16:30) Contractor's working hours while dredging at berth 410

(06:30-07:30) Barge Chetco #3 full of sediment and switched out by tug and replaced with Barge Umpqua #3 (8th barge total)

(08:30) Crane's first bucket in water and continues to dredge at B410, approx. 10'-40' from face of dock,
Footmark: 150-160 (white marker sign secured to concrete bull rail)
Tide: 3.3 CRD
Oil water boom and silt curtain in place surrounding both crane/derrick and barges
There is no ship at B410/411
HME pile driving crew returned to B411 to remove damaged piles and replace with new ones.

(09:45) Crane continues to dredge B410
FM: 150-170 (white marker) 10'-40' from face of dock
Tide: 3.1 CRD
Crew continues to discharge waste water from Umpqua barge into lash barge

(11:00) RFI #8: HME pile driving crew supporting RA-1 project by cutting tops of piles at head of slip 3. Crew placed oil water boom around each pile to collect sawdust when tops were cut. Anchor (JV) and EPA rep. (AS) on site monitoring HME crews while cutting piles.

(14:50) Crane continues to dredge at B410
FM: 220-250 (white marker) 10' – 20' from face of dock
Tide: 1.1 CRD
Barge Umpqua #3 half full of sediment
Freeboard: 3.5 bow
Crew continues to discharge waste water from Umpqua into lash barge. RFI #5 has given HME crew permission to switch from Tyvek suits to cloth coveralls during waste water discharge operations.

According to Anchor, there continues to be no exceedance for water quality control tests during HME dredging operations at B410

(16:45) Crane stopped dredging at FM: 230, Umpqua freeboard: 4 bow

(17:30) Crew left site after all equipment and booms were secured.

PORT OF PORTLAND

DAILY DIARY

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 4, 2008 **REPORT NO.** 18

WEATHER Partial clouds **TEMPERATURE** L 57 H 76

TESTING LABORATORY ON SITE: **HRS:**

TESTS PERFORMED:

PHONE LOG:

SITE PHOTOS/VIDEOS TAKEN:

FORCE ACCOUNT WORK/ CHANGES ENCOUNTERED:

INSPECTOR Philipp G. Bales HRS DATE 9-4-8
(signature on hardcopy)

DAILY REPORT OF OPERATIONS:

CONTRACT NO:

TO:	CONTRACTOR:	DATE(S)	REPORT NO: 18
P. O. P.	HME	9/4/08	CONTRACT DAY: 23

PROJECT AND BAR	NAME: Terminal 4 Removal Action	AUTHORIZED DIMENSIONS: 120 x 950	WIDTH: 60	DEPTH: -41.02
	LOCATION: (include station no.) Berth 410		OVERDEPTH: 1	
DREDGE	NAME & TYPE: CUT 1 Station (90-100) cut 2 (88-95)	SIZE: 135 Ton	DIPPER OR BUCKET	
	HORSEPOWER OF 900		20 CY.CAP.	

NUMBER OF CREW MEMBERS				WORK SCHEDULE	
Dredge: 6	Shore:	Other: 1	Total: 7	Shifts per day: 1	Days per week: 7

CHANNEL CONDITION	AVERAGE	BEFORE DREDGING -38.5	AFTER DREDGING -41.5	MINIMUM	BEFORE DREDGING -38.1	AFTER DREDGING -41.2

CHARACTER OF MATERIAL AND PERCENTAGE						
GRAVEL		MUD	20	STONE		
SAND	5	CLAY		HARDPAN		
SILT	75	OTHERS				

WORK PERFORMED		
AVERAGE WIDTH OF CUT	FEET	60
TOTAL ADVANCE THIS PERIOD	FEET	170
TOTAL ADVANCE PREVIOUS TO THIS PERIOD	FEET	2370
TOTAL ADVANCE TO DATE	FEET	2540
WATER PUMPED THIS PERIOD	GALLONS	5,362
WATER PUMPED PREVIOUS TO THIS PERIOD	GALLONS	241,385
TOTAL WATER PUMPED TO DATE	GALLONS	246,747
AVERAGE DREDGED PER PUMP HOUR, GROSS	CU. YD	95
SCOWS LOADED	NUMBER	
AVERAGE LOAD PER SCOW	CU. YD	

CUBIC YARDS REMOVED	
AMOUNT DREDGED THIS PERIOD:	Berth 410
(1) GROSS (computed amount)	761
(2) CREDITED (pay place)	
AMOUNT PREVIOUSLY REPORTED:	
(1) GROSS (computed amount)	3796
(2) CREDITED (pay place)	
AMOUNT DREDGED TO DATE:	
(1) GROSS (computed amount)	4557
(2) CREDITED (pay place)	

ATTENDANT PLANT

ITEM	NAME OR NUMBER	HOURS
Material Barge	Umpqua	12
Water Barge	Lash Combo	12
Tug	Husky	12
Tug	Degra	12
Survey / crew	Pilot	12

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

Shut down Dredge to move Turbidity Boom.

5 men and Dredge 1 hour

DISTRIBUTION OF TIME		
EFFECTIVE WORKING TIME (chargeable to cost of work)	HOURS	MIN
DREDGING	8	
NON-EFFECTIVE WORKING TIME		
HANDLING ANCHOR LINES		
WAITING FOR SCOWS		
TO AND FROM WARF OR ANCHORAGE		
CHANGING LOCATION OF PLANT ON JOB		
LOSS DUE TO OPPOSING NATURAL ELEM.		
LOSS DUE TO PASSING VESSELS		
SHORE LINE AND SHORE WORK Set up	1	
MINOR OPER. REPAIRS (explain below)	1	15
WAITING FOR ATTENDANT PLANT		
PREPARATION AND MAKING UP TOW		
TRANSFERRING PLAN BETWEEN WORKS	30	
LAY TIME OFF SHIRT AND SATURDAYS		
SUNDAYS AND HOLIDAYS		
SAFETY MEETING		15
WATER PUMPING		
TOTAL NON-EFFECTIVE WORKING TIME	4	
TOTAL EFFECTIVE AND NON-EFFECTIVE TIME (chargeable to cost of work)	12	
LOST TIME (chargeable to cost of work)		
MAJOR REPAIRS AND ALTERATIONS:		
CESSATION:		
MISCELLANEOUS: Turbidity Boom	1	
TOTAL LOST TIME:		
TOTAL TIME IN PERIOD:		

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

TITLE:	SIGNATURE:
Superintendent	[signature]

HICKEY MARINE ENTERPRISES

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

CRANEWORK & DREDGING

M	T	W	TH	F	S	S

Job Name TERMINAL 4 REMOVAL ACTION Date 9/4/08

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 SEA HORSE, Husky, LASH BARGE, UMPQUA

Equipment Safety Checks Performed? (Yes) / No

Personal Protective Equipment Safety Checks Performed ? (Yes) / No

Work performed today

06:00 - 06:15 WARMUP - SAFETY MEETING

6:15 - 6:45 SPOT DREDGE (TBL) @ STATION 88 CUT 2 BERTH 410

6:45 - 7:45 SET OUT TURBIDITY BOOM

7:45 - 8:45 PLACE BARGE DRIP PANS - OIL ABSORBANT BOOM

8:45 - 16:45 LOAD UMPQUA

16:45 - 17:45 40 HOUR MAINT, BOOM AND GANTRY

17:45 - 18:00 - SECURE END CUT 2 (95) CUT 1 (90-100)

Extra work or delays (authorized by)

EQUIPMENT ON STAND-BY DURING TURBIDITY BOOM SET UP

Sign _____

Form #3

T-4/ The Dalles Offload Site
Daily Inspection Checklist

Date 9/4/08

1) Safety Meeting: Agenda: Scope of Work, EPA Comments, Crew Boat Navigation, P.P.E. supplies (inventory).

Attendees:

Derrick SEAHORSE ☑

Derrick Sea Vulture ☐

2) Crane Inspection: ☑ "Attach Operator Log/Inspection Log"

3) Plant Inspection ☐

Deficiencies:	Date	Date Corrected
1. Ballast for Basement	8/21	
2. Deck Block Guards	9/3	
3. Replace Spring line	9/3	
4. Paint Umpqua Handrails	9/3	

4) Staff Gage Check ☑

Time	Tideboard	Tide Track
6:45	1.6	1.54
10:00	2.3	2.32

5) Main Fuel Tank Levels ☐

	Port	Starboard
Height	50	NA
Gallons	5000	
	100	

6) Survey Boat ☑

Fuel ☑

Port Full

Starboard Full

Hull Depth .7

Sound Velocity 4864

Latency 0.100

Position Verfication

Boat #30

X 7619999 .05

Y 713223 .98

Control Point

X 7619999 .36

Y 713223 .37

7) Dredge Material Weight ☑ 105 pounds per cubic foot

8) Dredge Boom Tip Verification

X 7619998 .85

Y 713222 .95

#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 7 3 SB 7

PS 6 7 SS 6 2

Gallons Pumped Today 20 Tow = 5,362

Total Gallons 246,747

Tank Sounding

#1 50 #3 39

#2 35 #4 50

22.5 gallons per yd.

11) Baker Tank Level #1 _____ #2 _____

12) De con Stations

Clean ☑

Inventory ☑

13) Dust Suppression

Location NA Time _____ Reading _____

Location _____ Time _____ Reading _____

Location _____ Time _____ Reading _____

Location _____ Time _____ Reading _____

Location _____ Time _____ Reading _____

Background NA

14) Material Barge

Umpqua

Draft PB 3 6 SB 3 6 MT Tons 893

MT PS 3 4 SS 3 4

Total Tons 1074

Total Yards 761

Draft PB 4 2 SB 3 8 LD Tons 1967

LD PS 10 4 SS 10 5

HME
CRANEWORK & DREDGING

DAILY QUALITY CONTROL REPORT

Daily Report No. 18 Date: 9/4/08

Contract No. _____

Project Title: Terminal 4 Removal Action Location: Berth 410

Weather: Clear Temperature: 62 Min. 78 Max

1. Contractor/Subcontractors and Area of Responsibility:

NUMBER	TRADE	HOURS	EMPLOYER	LOCATION/DESCRIPTION OF WORK
6	Dredge	12	HME	Berth 410 / Dredge
1	Survey	8	ETRAC	Berth 410 / Progress Survey

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

Plant/Equipment	Date of Arrival/Departure	Date of Safety Check	Hours Used	Hours Idle	Hours Repair
Sea Horse	8/18	9/4	8	2.45	1.15
Umpqua	9/3	9/4	12		
Lash Barge	8/18	9/4	12		
Husky	8/18	9/4	1	11	
Debra	8/18	9/4	4	8	
Piggy	8/18	9/4	6	6	

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

Dredge Along Fender Pile (cut 1) station 90 - 100. Dredge offshore pass (cut 2) station 80 - 95, Pumped 5,362 gallons of water for a

Total of 246,747.

Dredged 761 cu yds for a Total Removed from Berth 410 of 4,557 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.

Performed Progress Survey This morning and Attached in Yesterday's Report. Results showed No overdredge with a Average Depth of 41.6. Check Sounding Points from our progress survey with the 8/13/08 DEA Pre-Dredge Survey out side of Dredge limits. The Results showed That we matched up within 1 tenth Difference.

3. Offsite surveillance activities, including action taken:

Began Coordination to Recieve Sand Layer Material on Monday to Begin Capping

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

1. Check Crew Boats NAV lights and Safety and Rescue Equipement
2. Paint Hazards and Bits on Umpqua Safety Yellow
3. Instructed crews that EPA was happy with are usage of PPE and to keep up the good effort

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

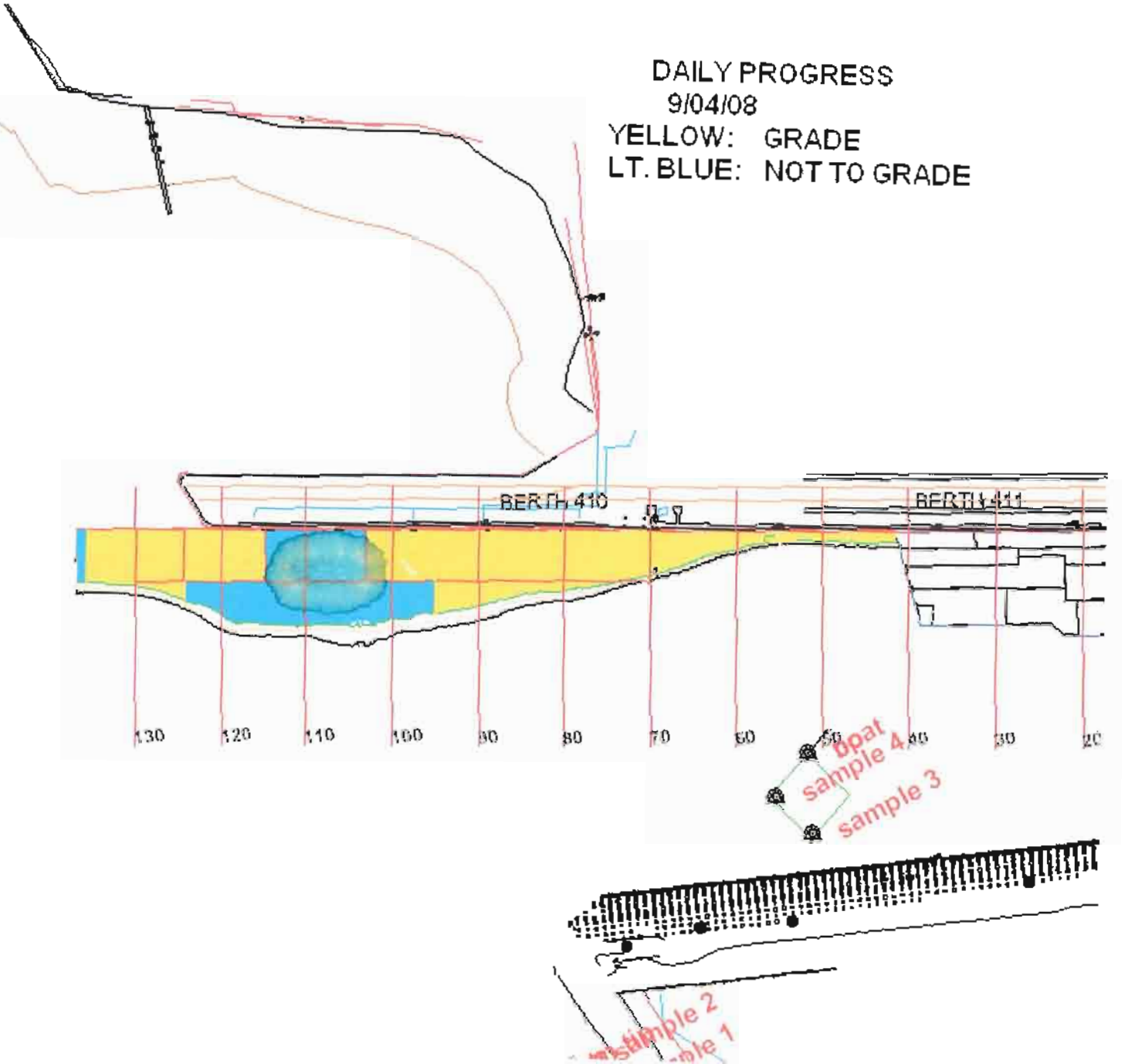
1. Shut Down Dredging operations for 1 hour to Install and then Reset Turbidity Boom as per EPA request.
2. No WQ Compliance Test Failures

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

9/5/08


DAILY PROGRESS
9/04/08
YELLOW: GRADE
LT. BLUE: NOT TO GRADE
BERTH 410
BERTH 411
130
120
110
100
90
80
70
60
50
40
30
20
0pat
sample 4
sample 3
sample 2
sample 1

BERTH 410
70
80
90

Dredge T

7619595.45	713471.89	0.00	92.96	19.00	17.00	59789
7619594.22	713459.70	0.00	96.83	19.00	17.00	59497
7619588.83	713444.30	0.00	101.75	19.00	17.00	59242
7619609.90	713467.58	0.00	94.30	19.00	17.00	59021
7619608.19	713454.33	0.00	98.11	19.00	17.00	58728
7619603.13	713440.38	0.00	102.50	19.00	17.00	57569
7619565.98	713493.43	0.00	105.26	19.00	17.00	56844
7619566.27	713494.10	0.00	105.05	19.00	17.00	56815
7619569.79	713509.99	0.00	99.17	19.00	17.00	56629
7619572.09	713525.79	0.00	93.27	19.00	17.00	56338
7619573.90	713541.73	0.00	87.61	19.00	17.00	56063
7619588.02	713536.65	0.00	87.92	19.00	17.00	54078
7619587.78	713530.63	0.00	90.26	19.00	17.00	53761
7619587.77	713517.38	0.00	95.49	19.00	17.00	53560
7619586.03	713504.86	0.00	99.99	19.00	17.00	53189
7619582.09	713489.83	0.00	105.76	19.00	17.00	52925
7619602.91	713522.52	0.00	92.99	19.00	17.00	52320
7619602.90	713534.49	0.00	88.98	19.00	17.00	50168
7619602.48	713514.72	0.00	95.65	19.00	17.00	49892
7619600.13	713499.28	0.00	100.85	19.00	17.00	49285
7619596.95	713485.83	0.00	105.72	19.00	17.00	48972
7619617.68	713531.73	0.00	89.07	19.00	17.00	47088
7619617.86	713514.43	0.00	95.45	19.00	17.00	46791
7619614.82	713498.39	0.00	101.32	19.00	17.00	46439
7619610.66	713482.70	0.00	107.10	19.00	17.00	46142
7619633.05	713528.65	0.00	90.52	19.00	17.00	43707
7619632.76	713521.60	0.00	92.86	19.00	17.00	43521
7619632.19	713506.30	0.00	97.60	19.00	17.00	43227
7619628.61	713491.34	0.00	102.82	19.00	17.00	42975
7619647.97	713525.83	0.00	91.00	19.00	17.00	41694
7619647.35	713521.12	0.00	92.39	19.00	17.00	41315
7619646.19	713506.99	0.00	96.53	19.00	17.00	41005
7619643.34	713490.75	0.00	101.49	19.00	17.00	40135
7619658.28	713488.75	0.00	101.22	19.00	17.00	39875
7619659.79	713500.81	0.00	97.86	19.00	17.00	38964
7619661.20	713511.11	0.00	95.49	19.00	17.00	38173
7619623.93	713475.15	0.00	92.99	19.00	17.00	36911
7619623.90	713460.24	0.00	98.43	19.00	17.00	36642
7619619.34	713443.33	0.00	104.00	19.00	17.00	35965
7619639.69	713475.33	0.00	92.43	19.00	17.00	34387
7619639.01	713459.38	0.00	98.20	19.00	17.00	34147
7619634.61	713443.58	0.00	104.35	19.00	17.00	33949
7619654.33	713476.23	0.00	91.77	19.00	17.00	33270
7619653.62	713460.76	0.00	97.04	19.00	17.00	33083
7619650.66	713444.62	0.00	102.59	19.00	17.00	32864
7619668.53	713463.13	0.00	95.68	19.00	17.00	32473
7619669.43	713463.17	0.00	95.52	19.00	17.00	32432
7619667.38	713448.58	0.00	100.15	19.00	17.00	32179
7619684.22	713464.72	0.00	93.65	19.00	17.00	31443
7619684.40	713464.92	0.00	93.61	19.00	17.00	31405
7619682.59	713452.76	0.00	98.21	19.00	17.00	31235

7619698.73	713462.29	0.00	93.97	19.00	17.00	30829
7619696.84	713451.80	0.00	97.61	19.00	17.00	30568
7619712.25	713451.59	0.00	96.88	19.00	17.00	30122
7619729.24	713463.00	0.00	93.26	19.00	17.00	29903
7619727.42	713453.76	0.00	95.97	19.00	17.00	29630
7619741.92	713453.18	0.00	95.69	19.00	17.00	29019

ANCHOR ENVIRONMENTAL, L.L.C.

Daily Construction Report Number: 19

Work Hours: 06:00 to 18:00

Project Number: 050332-01 Day: Friday Date: 09/05/08

Weather AM: Clear L: 50 °F PM: Clear 81 °F

Tides:

Time	Height
07:30	1.5' CRD
11:30	2.4' CRD
14:30	1.6' CRD
16:45	1.0' CRD

Contractor: Hickey Marine Sub:

Contractors Rep and Title: Darrell Jamieson (Project Superintendent)

Work Day Charge: NA Day: Reason:

Project Pictures? X Yes **X No** Subject:

Visitors: Andrew Somes (EPA)

Item #	Item Description	Quantity Today	√	Remarks
1	Dredging at Berth 410			Quantity will be determined in morning by Darrell.

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

See next page.

John J. Renda
Resident Engineer

John Verduin
Project Engineer

ANCHOR ENVIRONMENTAL, L.L.C.

Diary (continued) Date: 09/05/08 Report Number: 19

06:30 Hickey begins dredging using the dredge Sea Horse, barge Umpqua and the 20 cy cable arm bucket. Observed dredging cycles. Cycles averaged 4.8 minutes ranging from 4.5 to 5.5 minutes in length. Hickey was dredging at Station 97 digging 44 feet. Some small debris encountered which prevented tight closer of bucket occasionally.

07:45 to 10:00 Hickey dredging at Station 102 to 105 digging 43 to 45 feet below water surface. Cycles averaged 4.5 minutes ranging from 4.5 to 5.5 minutes in length.

10:00 to 11:00 Anchor water quality crew onsite collect field parameters. Elevated turbidity noted at 410-N. Compliance monitoring locations below trigger values.

11:00 to 11:05 Hickey moved their dredge inward (toward pier)

11:05 to 13:15 Hickey continued dredging from station 104 to108 using 3 to 5 minute dredge cycles.

13:15 Barge Umpqua at full capacity, dredging stopped.

13:15 to 14:30 Move silt curtain; swap out full barge Umpqua with empty barge Reedsport; replace silt curtain.

14:35 Dredging resumes

14:35 to 17:05 Hickey is dredging at Station 108 to 113 using 3.5 to 6 minute dredge cycles with an average of 4.5 minutes. Digging to 43 to 44 feet below water surface.

17:05 Hickey is done dredging for the day.

John J. Renda	John Verduin
Resident Engineer	Project Engineer

PORT OF PORTLAND

DAILY DIARY

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 5, 2008 **REPORT NO.** 19

WEATHER Partial clouds **TEMPERATURE** L 57 H 76

NUMBER/CLASS OF CONTRACTOR'S PERSONNEL:	MAJOR EQUIPMENT ON JOB (Size/capacity and hours):
Hickey Dredge Crew: Superintendent Crane operator 3 Deck hands	Crane/Derrick with 2 Barge/Scow

CHRONOLOGICAL ACCOUNT OF DAY'S WORK:

(06:30 – 16:30) Contractor's working hours while dredging at berth 410

(06:30) Crane started dredging at B410
Footmark: 240-270 (white marker sign on bull rail)
Tide: 1.43 CRD
Freeboard: 4.5 bow
Barge Umpqua #3 (8th barge total) continues to be loaded
Crew continues to discharge waste water from Umpqua barge into lash barge

(09:20) Crane continues to dredge B410
Footmark: 280-300
Freeboard: 6 bow

(12:30) Crane continues to dredge B410
Footmark: 310-320
Freeboard: 9

(13:15) Barge Umpqua #3 filled with sediment and switched out by tug with empty Barge Reedsport #3 (9th total barge)

(14:35) After re-securing oil water boom and silt curtain containing both crane/derrick and barges, crane resumed dredging operations at B410 loading barge Reedsport #3
Footmark: 340-360 (white marker signage)
Tide: 1.4 CRD

(17:00) Crane stopped dredging operations at B410, secured crane/derrick oil boom and silt curtain then left site.
Footmark: 360

TESTING LABORATORY ON SITE: _____ **HRS:** _____

TESTS PERFORMED: _____

PHONE LOG:

PORT OF PORTLAND

DAILY DIARY

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 5, 2008 **REPORT NO.** 19

WEATHER Partial clouds **TEMPERATURE** L 57 H 76

SITE PHOTOS/VIDEOS TAKEN:	FORCE ACCOUNT WORK/ CHANGES ENCOUNTERED:

INSPECTOR Philipp G. Bales HRS DATE 9-5-8
(signature on hardcopy)

DAILY REPORT OF OPERATIONS:

CONTRACT NO:

TO:	CONTRACTOR:	DATE(S)	REPORT NO: 19
P.O.P.	HME	9/5/08	CONTRACT DAY: 24

PROJECT AND BAR	NAME: Terminal 4 Removal Action	AUTHORIZED DIMENSIONS: 120 x 950	WIDTH: 60	DEPTH: -41.02 CRD
	LOCATION: (include station no.) Berth 410 cut 2 (95-108) cut 1 (105-110)		OVERDEPTH:	
DREDGE	NAME & TYPE: SEA HORSE DREDGE	SIZE: 135 TON	DIPPER OR BUCKET:	
	HORSEPOWER OF 900		20 CY.CAP.	

NUMBER OF CREW MEMBERS				WORK SCHEDULE	
Dredge: 6	Shore:	Other: 1	Total: 7	Shifts per day: 1	Days per week: 7

CHANNEL CONDITION	AVERAGE	BEFORE DREDGING -38.8	AFTER DREDGING -41.6	MINIMUM	BEFORE DREDGING -38.1	AFTER DREDGING -41.3

CHARACTER OF MATERIAL AND PERCENTAGE						
GRAVEL		MUD	15	STONE		
SAND	5	CLAY		HARDPAN		
SILT	80	OTHERS				

WORK PERFORMED		
AVERAGE WIDTH OF CUT	FEET	60
TOTAL ADVANCE THIS PERIOD	FEET	180
TOTAL ADVANCE PREVIOUS TO THIS PERIOD	FEET	2540
TOTAL ADVANCE TO DATE	FEET	2720
WATER PUMPED THIS PERIOD	GALLONS	13,405
WATER PUMPED PREVIOUS TO THIS PERIOD	GALLONS	246,747
TOTAL WATER PUMPED TO DATE	GALLONS	260,152
AVERAGE DREDGED PER PUMP HOUR, GROSS	CU. YD	126
SCOWS LOADED	NUMBER	
AVERAGE LOAD PER SCOW Loaded Umpqua	CU. YD	1,537

CUBIC YARDS REMOVED	
AMOUNT DREDGED THIS PERIOD: Berth 410	
(1) GROSS (computed amount)	1,076
(2) CREDITED (pay place)	
AMOUNT PREVIOUSLY REPORTED:	
(1) GROSS (computed amount)	4557
(2) CREDITED (pay place)	
AMOUNT DREDGED TO DATE:	
(1) GROSS (computed amount)	5633
(2) CREDITED (pay place)	

DISTRIBUTION OF TIME		
EFFECTIVE WORKING TIME (chargeable to cost of work)	HOURS	MIN
DREDGING	8	30
NON-EFFECTIVE WORKING TIME		
HANDLING ANCHOR LINES		
WAITING FOR SCOWS		
TO AND FROM WARF OR ANCHORAGE		
CHANGING LOCATION OF PLANT ON JOB		
LOSS DUE TO OPPOSING NATURAL ELEM.		
LOSS DUE TO PASSING VESSELS		
SHORE LINE AND SHORE WORK		
MINOR OPER. REPAIRS (explain below)	1	15
WAITING FOR ATTENDANT PLANT		
PREPARATION AND MAKING UP TOW Swap	1	
TRANSFERRING PLAN BETWEEN WORKS		
LAY TIME OFF SHIRT AND SATURDAYS		
SUNDAYS AND HOLIDAYS		
SAFETY MEETING		15
WATER PUMPING		
TOTAL NON-EFFECTIVE WORKING TIME	3	30
TOTAL EFFECTIVE AND NON-EFFECTIVE TIME (chargeable to cost of work)	12	00
LOST TIME (chargeable to cost of work)		
MAJOR REPAIRS AND ALTERATIONS:		
CESSATION:		
MISCELLANEOUS: Turbidity Boom	1	
TOTAL LOST TIME:		
TOTAL TIME IN PERIOD:	1	

ATTENDANT PLANT

ITEM	NAME OR NUMBER	HOURS
Material Barge	Umpqua	10
Material Barge	Reno's port	2
Water Barge	Lash combo	12
Tug	Husky	12
Tug / survey	Debra / Piggy	12

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

2 men 1 hour move Turbidity Boom for barge change

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

TITLE:	SIGNATURE:
Superintendent	[signature]

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

CRANEWORK & DREDGING

M	T	W	TH	F	S	S
				X		

Job Name TERMINAL 4 REMOVAL ACTION Date 9/5/08

Job No. Z428 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, UMPQUA, Husky LASH BARGE

Equipment Safety Checks Performed? Yes / No

Personal Protective Equipment Safety Checks Performed ? Yes / No

Work performed today

06:00 - 06:15	SAFETY MEETING
06:15 - 06:30	WARM UP
6:30 - 13:00	LOAD UMPQUA #8 DREDGE cut 2 95 - 108
13:00 - 14:00	Pull Tarps - MOVE TURBIDITY BOOM
14:00 - 14:30	SWAP BARGES
14:30 - 15:00	SET TURBIDITY BOOM
15:00 - 17:00	LOAD #9 REEDSPORT DREDGE cut 1 105 - 110
17:00 - 18:00	FUEL - SERVICE - SECURE

Extra work or delays (authorized by)

2 MEN 1 hour MOVE TURBIDITY BOOM

Sign

Form #3

T-4/ The Dalles Offload Site
Daily Inspection Checklist

Date 9/5/08

1) Safety Meeting: Agenda: Tool Box Safety Meeting

Attendees:

SEE ATTACHMENT

Derrick SEAHORSE ☑

Derrick Sea Vulture ☐

2) Crane Inspection: ☑ "Attach Operator Log/Inspection Log"

3) Plant Inspection ☑

Deficiencies:	Date	Date Corrected
Ballast Basement lights	8/21	9/5
Replace Spring line	9/3	
Paint Umpqua Hawsers	9/3	9/5
Deck Block Guards	9/3	9/5

4) Staff Gage Check ☑

Time	Tideboard	Tide Track
8:00	3.3	3.32
13:50	1.72	1.75

5) Main Fuel Tank Levels ☐

	Port	Starboard
Height	49	NA
Gallons	4,900	
Consumption per day	100	

Position Verfication

6) Survey Boat ☐

Fuel NO SURVEY TODAY ☐

Port 3/4

Starboard 3/4

Hull Depth _____

Sound Velocity _____

Latency _____

Boat

X _____

Y _____

Control Point

X _____

Y _____

7) Dredge Material Weight ☑ 105 pounds per cubic foot

8) Dredge Boom Tip Verification

X 7619999.27

Y 713223.58

Control Point #30

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 6.8 SB 6.1

PS 6.8 SS 6.5

Gallons Pumped Today 50 Tow = 13,405

Total Gallons 260,152

21.6 gallons per yard

Tank Sounding

#1 55 #3 40

#2 42 #4 55

11) Baker Tank Level #1 _____ #2 _____

12) De con Stations

Clean ☐

Inventory ☐

13) Dust Suppression

Location NA Time _____ Reading _____

Location _____ Time _____ Reading _____

Location _____ Time _____ Reading _____

Location _____ Time _____ Reading _____

Location _____ Time _____ Reading _____

Background NA

14) Material Barge UMPQUA → REEDSPORT

Draft PB 4.2 SB 3.8

MT PS 10.4 SS 10.5

MT Tons 1967

Total Tons 1095

Total Yards 776

Draft PB 10.7 SB 10.7

LD PS 10.7 SS 10.7

LD Tons 3062

LOADED UMPQUA 1,537 cu yds

MT 3.4 3.4 3.4 3.4 MT Tons 865

LD 5.8 4 5.8 4 LD Tons 1289

Total Tons 424

Total Yards 300

HME
CRANEWORK & DREDGING

DAILY QUALITY CONTROL REPORT

Daily Report No. 19 Date: 9/5/08

Contract No.

Project Title: Terminal 4 Removal Action Location: Berth 410

Weather: Clear Temperature: 62 Min. 78 Max

1. Contractor/Subcontractors and Area of Responsibility:

NUMBER	TRADE	HOURS	EMPLOYER	LOCATION/DESCRIPTION OF WORK
16	Dredge	12	HME	410 / Dredge
1	Survey	8	ETRAC	410 / Progress Survey

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

Plant/Equipment	Date of Arrival/Departure	Date of Safety Check	Hours Used	Hours Idle	Hours Repair
Sea Horse	8/18	9/5	8 30	2 15	1 15
Umpqua	9/3 9/5	9/5	10		
Reedsport	9/5	9/5	2		
Lash Barge	8/18	9/5	12		
Husky	8/18	9/5	4	8	
Piuny	8/18	9/5	12		

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

Dredge Berth 410 cut #2 (outside) station 95 - 108. Dredge cut #1 (Fender line) 105 - 110. Completed loading Umpqua and

SHIPPED with 1,537 cu yds. BEGAN loading REEDSport.
Removed 1,076 cu yds for A Total of 5,633 cu yds Berth 410.
410 - 411 COMBINED 11,992 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.

NO PROGRESS SURVEY PERFORMED TODAY DUE to PILEDRIVING CRANE IN WAY OF BERTH.
While utilizing the CABLE Arm our WATER GALLONS to YARD HAS DECREASED to 21.6.

3. Offsite surveillance activities, including action taken:

While DRIVING through KINDER MORGAN I PUNCTURED Both REAR TIRES on my truck. BECAUSE OF THIS WE will continue to park where WE have in the past.

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

1. Weekly Tool Box SAFETY MEETING (Attached)
2. Paint Trip HAZARDS SAFETY Yellow
3. Stay CLEAR OF Deck AND SPUD WIRES
4. KEEP Visitor's OUT OF HARMS WAY

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

1. NO WQ compliance Test FAILURES
2. KEEP Turbidity Boom AS close to DREDGING AS possible.
3. Coordinate with PileDriver so BOTH operation can continue to be productive.

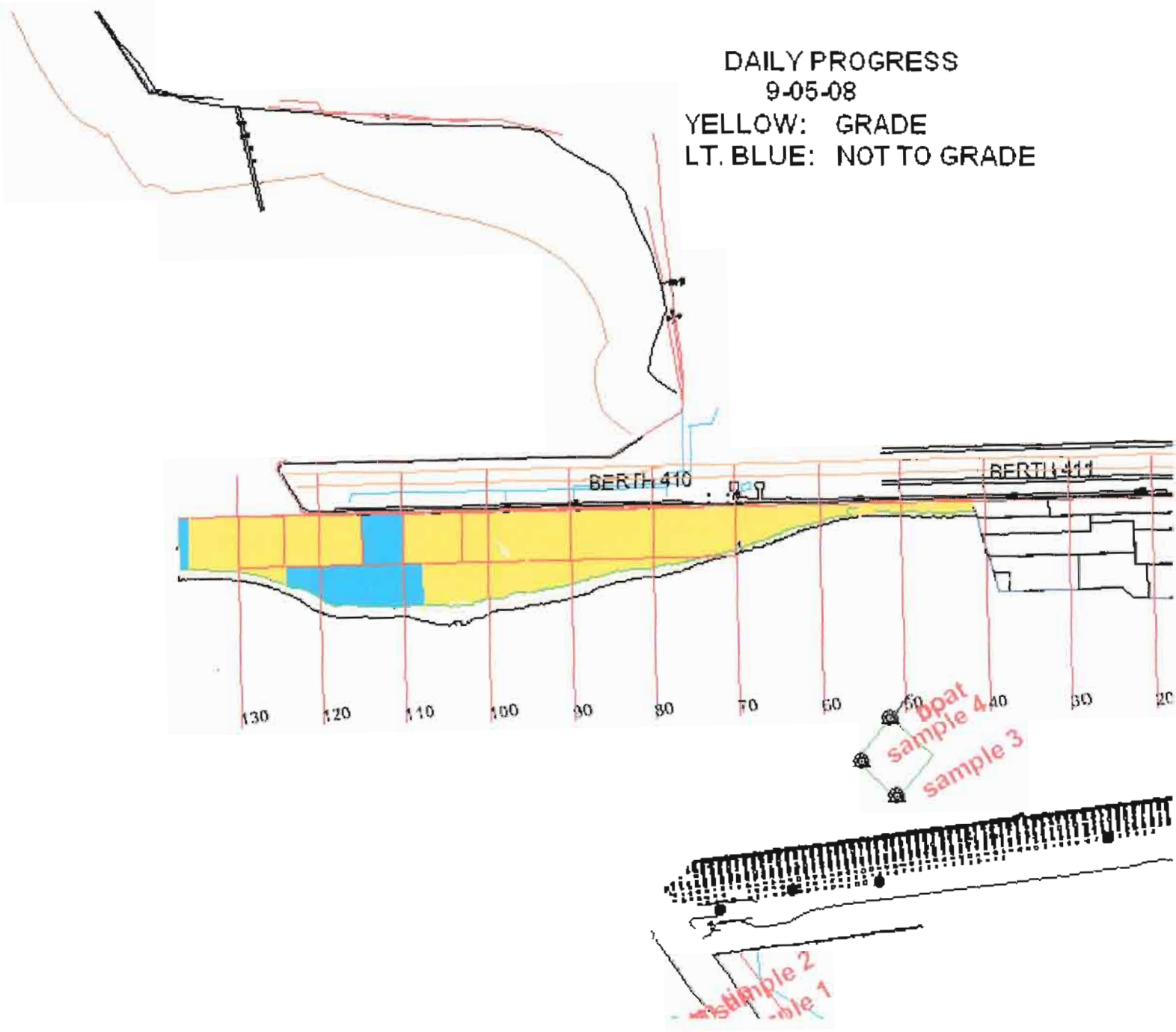
Contractor's Verification: On behalf of the Contractor, I certify this report is complete and correct, and all materials and equipment used and work performed during this reporting period are in compliance with the contract plans and specifications, to the best of my knowledge, except as noted above.

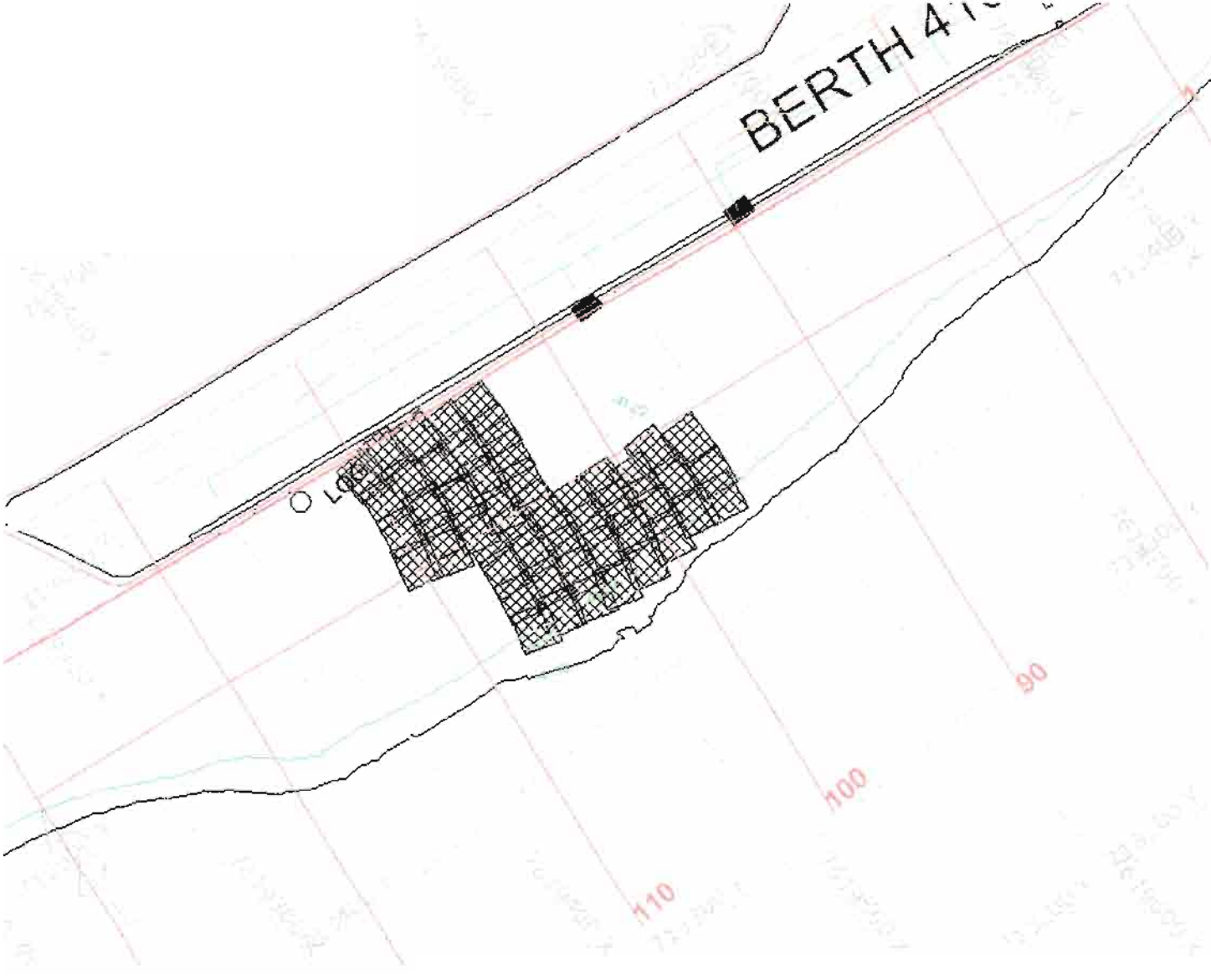
Authorized CQC Rep at Site

Date

9/6/08

DAILY PROGRESS
9-05-08
YELLOW: GRADE
LT. BLUE: NOT TO GRADE




BERTH 4
90
100
110

Dredge T

7619452.77	713509.15	0.00	106.77	19.00	17.00	58600
7619457.28	713524.62	0.00	101.22	19.00	17.00	58379
7619460.18	713539.45	0.00	96.33	19.00	17.00	58104
7619460.46	713555.23	0.00	91.22	19.00	17.00	57716
7619466.53	713504.50	0.00	107.16	19.00	17.00	55024
7619468.50	713512.55	0.00	104.55	19.00	17.00	54822
7619472.67	713525.48	0.00	100.53	19.00	17.00	54636
7619474.43	713541.46	0.00	95.58	19.00	17.00	54428
7619473.93	713557.02	0.00	90.91	19.00	17.00	54183
7619489.47	713554.04	0.00	91.67	19.00	17.00	53796
7619488.20	713536.10	0.00	96.85	19.00	17.00	53250
7619486.40	713519.16	0.00	101.66	19.00	17.00	52801
7619486.80	713519.63	0.00	101.48	19.00	17.00	52788
7619482.15	713505.19	0.00	106.54	19.00	17.00	46388
7619503.53	713547.84	0.00	90.86	19.00	17.00	44990
7619501.95	713535.30	0.00	95.24	19.00	17.00	44586
7619500.43	713520.57	0.00	100.17	19.00	17.00	44327
7619496.83	713504.93	0.00	105.59	19.00	17.00	42716
7619518.54	713545.52	0.00	91.83	19.00	17.00	42439
7619517.46	713533.76	0.00	95.42	19.00	17.00	42211
7619515.16	713521.11	0.00	99.25	19.00	17.00	41900
7619512.14	713507.45	0.00	103.26	19.00	17.00	41561
7619482.81	713497.90	0.00	91.76	19.00	17.00	39756
7619480.93	713480.93	0.00	98.23	19.00	17.00	39465
7619478.03	713468.01	0.00	102.61	19.00	17.00	39117
7619474.73	713452.86	0.00	108.20	19.00	17.00	38861
7619497.37	713493.58	0.00	93.73	19.00	17.00	37048
7619496.05	713480.53	0.00	97.82	19.00	17.00	36511
7619491.73	713465.92	0.00	102.50	19.00	17.00	34748
7619488.17	713451.36	0.00	107.78	19.00	17.00	34505
7619510.92	713495.46	0.00	91.93	19.00	17.00	33205
7619510.68	713484.73	0.00	94.95	19.00	17.00	32960
7619508.55	713471.68	0.00	99.55	19.00	17.00	32454
7619506.03	713460.55	0.00	103.23	19.00	17.00	32036
7619502.70	713447.55	0.00	107.50	19.00	17.00	31689
7619525.10	713485.15	0.00	94.48	19.00	17.00	30785
7619523.50	713473.33	0.00	98.67	19.00	17.00	30511
7619520.68	713461.51	0.00	102.95	19.00	17.00	30301
7619515.43	713445.09	0.00	109.01	19.00	17.00	30133
7619539.57	713484.11	0.00	94.53	19.00	17.00	29415
7619538.16	713473.05	0.00	98.25	19.00	17.00	28962
7619535.84	713459.99	0.00	102.53	19.00	17.00	28274
7619530.72	713444.29	0.00	107.59	19.00	17.00	27873
7619550.98	713466.73	0.00	99.17	19.00	17.00	27589
7619552.25	713476.44	0.00	96.05	19.00	17.00	27304
7619549.45	713459.61	0.00	101.16	19.00	17.00	27122
7619546.57	713445.98	0.00	105.18	19.00	17.00	26151
7619565.39	713481.06	0.00	90.41	19.00	17.00	25342
7619565.18	713464.94	0.00	96.48	19.00	17.00	25129
7619562.85	713448.37	0.00	102.46	19.00	17.00	24833
7619581.29	713474.80	0.00	92.32	19.00	17.00	24564

ANCHOR ENVIRONMENTAL, L.L.C.

Daily Construction Report Number: 20

Work Hours: 06:30 to 15:30

Project Number: 050332-01 Day: Saturday Date: 09/06/08

Weather AM: Cloudy L: 55 °F PM: Sunny 80 °F

Tides:

Time	Height
07:00	1.02' CRD
10:45	2.02' CRD
14:50	1.17' CRD
15:30	0.96' CRD

Contractor: Hickey Marine Sub:

Contractors Rep and Title: Darrell Jamieson (Project Superintendent)

Work Day Charge: NA Day: Reason:

Project Pictures? X Yes **X No** Subject:

Visitors: Andrew Somes (EPA)

Item #	Item Description	Quantity Today	√	Remarks
1	Dredging at Berth 410			Quantity will be determined in morning by Darrell.

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

See next page.

Elizabeth Appy
Resident Engineer

John Verduin
Project Engineer

ANCHOR ENVIRONMENTAL, L.L.C.

Diary (continued) Date: 09/06/08 Report Number: 20

06:30 to 07:30 Hickey begins dredging using the dredge Sea Horse, barge Reedsport and the 20 cy cable arm bucket. Oil boom and silt curtain in place around the dredge barges. Observed dredging cycles. Cycle times averaged 4.5 minutes ranging from 3.0 to 6.75 minutes in length. Operator emptying bucket completely before bringing bucket back to water line. Hickey was dredging between Stations 113 and 111 digging 42 to 43 feet below the water surface. Hickey moved to bent 111 at 07:15. Some small debris encountered which prevented tight closing of bucket occasionally. Reedsport draft = 4.5 feet.

07:30 WQ crew arrives on site. Headed over to the boat at 08:45.

07:30 to 9:45 Hickey dredging between bent station 111 and 114 digging 43 feet below water surface. Cycles averaged 4.5 minutes ranging from 4.0 to 5.0 minutes in length.

09:30 Received a call from water quality crew needing some supplies from the gear locker.

09:55 Hickey moving barge from bent station 113 to 118. Repositioned disposal barge and moved drip tarps.

10:10 to 10:45 Hickey began dredging again at bent station 118. Cycle times averaged 4.0 minutes ranging from 3.0 to 4.5 minutes in length. Digging to 43 feet below the water surface.

10:30 to 11:30 Anchor water quality crew was onsite and collected field parameters. Field parameter results at the monitoring locations 100 meters from the dredging activity were all below trigger values; therefore, the crew did not move out to the compliance boundary to collect turbidity values. Crew moved to barge holding dredge water to collect samples for analyses per the City of Portland BES Batch Discharge Permit.

11:40 to 13:00 Hickey moved barges to new location near bent station 120. 11:55 started dredging again. Dredged at bent station 120 digging 43 feet below the water surface. Cycle times averaged 4.0 minutes ranging from 3.5 to 5.0 minutes in length.

12:15 Talked to Andrew Somes (Parametrix) about tightening up the silt curtain on the south side of the barge. Relayed the feedback to Hickey.

12:40 Tide gage reading 1.7 feet CRD.

13:00 Hickey stopped dredging, moved barges out of B410 dredge area and conducted a bathymetric survey. Started dredging out in front of the Pier.

13:00 to 15:30 Dredging continued in front of the Pier. Cycle times averaged 4.0 minutes ranging from 2.5 to 5.0 minutes. Digging occurred 42 feet below the water surface. At 14:50, the tide gage read 1.17 feet CRD.

15:30 Hickey is done dredging for the day. They will conduct a survey and remove in high spots in the B410 area on Monday.

15:30 Tide gage reading = 0.96 feet CRD.

Elizabeth Appy	John Verduin
Resident Engineer	Project Engineer

PORT OF PORTLAND

DAILY DIARY

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

CONTRACTOR Hickey Marine Inc. **SUPERINTENDENT** Darrell Jamison

DAY OF WEEK & DATE: Sat., Sept 6, 2008 **REPORT NO.** 20

WEATHER Partial clouds, no rain **TEMPERATURE** L 57 H 76

NUMBER/CLASS OF CONTRACTOR'S PERSONNEL:	MAJOR EQUIPMENT ON JOB (Size/capacity and hours):
Hickey Dredge Crew: Superintendent Crane operator 3 Deck hands	Crane/Derrick with 2 Barge/Scow

CHRONOLOGICAL ACCOUNT OF DAY'S WORK:

(06:30 – 15:30) Contractor's working hours while dredging at berth 410

(06:30) Crane started dredging at B410
Footmark: 400-420 (white marker sign on bull rail) 40'-60' from dock
Tide: 2.23 CRD
Freeboard: 4.5 bow
Barge Reedsport #3 (9th barge total) continues to be loaded
Crew continues to discharge waste water from Reedsport barge into lash barge
Representative's from Anchor (EA) and EPA (AS) on site monitoring HME dredging operations at B410

(09:50) Crane continues to dredge B410
Footmark: 400-420
Freeboard: 5 bow
HME crew continues to discharge waste water into lash barge

(10:00) Anchor boat on site taking water quality tests at B410. Crew also taking water samples at head of slip 3 where area is to be capped next to timber pinch bulkhead

(11:00) Crane continues to dredge B410
Footmark: 440-460, 70'-80' from face of dock
Freeboard: 5
Tide: 2.0 CRD

(11:40) Crane spuds lifted and moved out further towards mouth of slip 3
Anchor crew sampling waste water in lash barge

(11:55) Crane resumed dredging operations at B410
Footmark: 450-460, 40'-60' from face of dock
Tide: 1.85 CRD
Anchor boat crew continues to sample waste water in lash barge

(13:00) Crane continues to dredge
Footmark: End of B410 dock, 80'-90' from face of dock
Tide: 1.6 CRD
Freeboard: 7

PORT OF PORTLAND

DAILY DIARY

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

CONTRACTOR Hickey Marine Inc. **SUPERINTENDENT** Darrell Jamison

DAY OF WEEK & DATE: Sat., Sept 6, 2008 **REPORT NO.** 20

WEATHER Partial clouds, no rain **TEMPERATURE** L 57 H 76

(13:15) Crane spuds lifted, moved further out from end of B410

(13:20) HME superintendent (DJ) lead line B410 and hyrdo survey with single beam same area

(13:25) Crane resumed dredging opertations

(14:30) Crane continues to dredge
Footmark: End of B410 dock, approx. 80' from face of dock
Tide: 1.3 CRD
Freeboard: 7.5 bow
HME continues to hydro survey B410 areas dredged
Crew continues to discharge waste water from Reedsport into lash barge

(15:20) Crane stopped dredging for today.
Do to capping of slip 3 postponed from Monday, 9-8 to now possilby Wed., 9-10, HME has elected not to work on Sunday, 9-7. They will complete the remaining couple hours of dredging at B410 on Monday, 9-8.
HME crews secured crane/derrick oil boom and silt curtain then left site.

TESTING LABORATORY ON SITE: _____ **HRS:** _____

TESTS PERFORMED: _____

PHONE LOG:

SITE PHOTOS/VIDEOS TAKEN:

FORCE ACCOUNT WORK/ CHANGES ENCOUNTERED:

INSPECTOR Philipp G. Bales HRS _____ DATE 9-6-8
(signature on hardcopy)

DAILY REPORT OF OPERATIONS:

CONTRACT NO:

TO:	CONTRACTOR:	DATE(S)	REPORT NO: 20
P.O.P.	HME	9/6/08	CONTRACT DAY: 25

PROJECT AND BAR	NAME: Terminal 4 Removal Action	AUTHORIZED DIMENSIONS: 120 x 950	WIDTH: 60	DEPTH: -41.02 CRD
	LOCATION: (include station no.) BEATH 410 CUT 2 (108-125)	135-137 CUT 1 (110-115)	OVERDEPTH: -1	
DREDGE	NAME & TYPE: SEA HORSE DREVO	SIZE: 135 TON	DIPPER OR BUCKET	
	HORSEPOWER OF 900		20 CY.CAP.	

NUMBER OF CREW MEMBERS.				WORK SCHEDULE	
Dredge: 6	Shore:	Other: 1	Total: 7	Shifts per day: 1	Days per week: 6

CHANNEL CONDITION	AVERAGE	BEFORE DREDGING -38.8	AFTER DREDGING -41.6	MINIMUM	BEFORE DREDGING -38.1	AFTER DREDGING -41.3

CHARACTER OF MATERIAL AND PERCENTAGE						
GRAVEL		MUD	15	STONE		
SAND	5	CLAY		HARDPAN		
SILT	80	OTHERS				

WORK PERFORMED		
AVERAGE WIDTH OF CUT	FEET	60
TOTAL ADVANCE THIS PERIOD	FEET	220
TOTAL ADVANCE PREVIOUS TO THIS PERIOD	FEET	2720
TOTAL ADVANCE TO DATE	FEET	2940
WATER PUMPED THIS PERIOD	GALLONS	2681
WATER PUMPED PREVIOUS TO THIS PERIOD	GALLONS	260,152
TOTAL WATER PUMPED TO DATE	GALLONS	262,833
AVERAGE DREDGED PER PUMP HOUR, GROSS	CU. YD	89
SCOWS LOADED	NUMBER	
AVERAGE LOAD PER SCOW	CU. YD	

CUBIC YARDS REMOVED	
AMOUNT DREDGED THIS PERIOD:	BERTH 410
(1) GROSS (computed amount)	741
(2) CREDITED (pay place)	
AMOUNT PREVIOUSLY REPORTED:	
(1) GROSS (computed amount)	5633
(2) CREDITED (pay place)	
AMOUNT DREDGED TO DATE:	
(1) GROSS (computed amount)	6,374
(2) CREDITED (pay place)	TOTAL REMOVED FROM 410

ATTENDANT PLANT

ITEM	NAME OR NUMBER	HOURS
MATERIAL BARGE	REEDSPORT	
WATER BARGE	LASH COMBO	
TUG	HUSKY	
TUG	DENA	
SURVEY / CREW	PIGGY	11

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

DISTRIBUTION OF TIME		
EFFECTIVE WORKING TIME (chargeable to cost of work)	HOURS	MIN
DREDGING	8	15
NON-EFFECTIVE WORKING TIME		
HANDLING ANCHOR LINES		
WAITING FOR SCOWS		
TO AND FROM WARF OR ANCHORAGE		
CHANGING LOCATION OF PLANT ON JOB	1	30
LOSS DUE TO OPPOSING NATURAL ELEM.		
LOSS DUE TO PASSING VESSELS		
SHORE LINE AND SHORE WORK		
MINOR OPER. REPAIRS (explain below)	1	
WAITING FOR ATTENDANT PLANT		
PREPARATION AND MAKING UP TOW		
TRANSFERRING PLAN BETWEEN WORKS		
LAY TIME OFF SHIRT AND SATURDAYS		
SUNDAYS AND HOLIDAYS		
SAFETY MEETING		15
WATER PUMPING		
TOTAL NON-EFFECTIVE WORKING TIME	2	45
TOTAL EFFECTIVE AND NON-EFFECTIVE TIME (chargeable to cost of work)	11	
LOST TIME (chargeable to cost of work)		
MAJOR REPAIRS AND ALTERATIONS:		
CESSATION:		
MISCELLANEOUS:		
TOTAL LOST TIME:		
TOTAL TIME IN PERIOD:		

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

TITLE:	SIGNATURE:
SUPERINTENDENT	[signature]

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

CRANEWORK & DREDGING

M	T	W	TH	F	~~S~~	S

Job Name TERMINAL 4 REMOVAL ACTION Date 9/6/08

Job No. 2428 Weather CLOUDY

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

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

☐ Manlift ☑ Other REEDSPORT, LASH BARGE, SEA HORSE, Husky

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 - 6:30 WARM UP
6:30 - 13:00 LOAD REEDSPORT (cut 1 station 110 - 115) (cut 2 108 - 125)
13:00 - 13:45 MOVE TO DREDGE last 20' station 135 - 137
13:45 - 15:30 Finish LOADING REEDSPORT (DREDGE AREA Completed)
15:30 - 16:15 MOVE DREDGE ALONG Dock
16:15 - 17:00 SECURE - SERVICE - FUEL

Extra work or delays (authorized by)

Sign

Form #3

T-4/ The Dalles Offload Site
Daily Inspection Checklist

Date 9/6/08

1) Safety Meeting: Agenda: Scope of Work, Ship Schedule, Eye Protection, Safe Access.

Attendees:

Derrick SEAHORSE ☑

Derrick Sea Vulture ☐

2) Crane Inspection: ☐ "Attach Operator Log/Inspection Log"

3) Plant Inspection ☐

Deficiencies:	Date	Date Corrected
1 Replace Spring line	9/3	
2 Oil change Gen set #1	9/6	9/6
3 Oil change crane Gen set	9/6	
4 Loose Bolts on Fan Shrouds		
Gen set in crane	9/6	

4) Staff Gage Check ☑

Time	Tideboard	Tide Track
9:00	1.6	1.61
10:30	2.7	2.68

5) Main Fuel Tank Levels ☐

	Port	Starboard
Height	46	NA
Gallons	4,600	
Consumption per day	300	

6) Survey Boat ☑
Fuel ☑

Port 3/4
Starboard 3/4

Hull Depth .7
Sound Velocity 4848
Latency 0

Position Verfication
Boat #30
X 7619999.31
Y 713223.35

Control Point
X 7619999.36
Y 713223.37

7) Dredge Material Weight ☑ 105 pounds per cubic foot

8) Dredge Boom Tip Verification
X 7619998.91
Y 713223.30

Control Point #30
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 7 SB 6 4
PS 6 8 SS 5 8

Gallons Pumped Today 10 Tow = 2681

Total Gallons 262,833

20.58 gallons per yd.

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

11) Baker Tank Level #1 ✓ #2 ✓

12) De con Stations
Clean ☑
Inventory ☑

13) Dust Suppression
Location NA Time ____ Reading ____
Location ____ Time ____ Reading ____
Location ____ Time ____ Reading ____
Location ____ Time ____ Reading ____
Location ____ Time ____ Reading ____

Background NA

14) Material Barge
Reedsport

Draft MT PB 4 SB 4
PS 5.8 SS 5.8

MT Tons 1289

Total Tons 1045

Total Yards 741

Draft LD PB 8 6 SB 8 7
PS 8 1 SS 8 2

LD Tons 2334

Reedsport Loaded 1,041 total yds

HME
CRANEWORK & DREDGING

DAILY QUALITY CONTROL REPORT

Daily Report No. 20 Date: 9/6/08

Contract No.

Project Title: Terminal 4 Removal Action Location:

Weather: CLEAR Temperature: 68 Min. 78 Max

1. Contractor/Subcontractors and Area of Responsibility:

NUMBER	TRADE	HOURS	EMPLOYER	LOCATION/DESCRIPTION OF WORK
6	Dredge	11	HME	410 / Dredge
1	Survey	8	ETRAC	410 / Progress Survey

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

Plant/Equipment	Date of Arrival/Departure	Date of Safety Check	Hours Used	Hours Idle	Hours Repair
Sea Horse	8/18	9/6	8 15	1 45	1
Reedsport	9/5	9/6	11		
Husky	8/18	9/6	5	6	
Lash Barge	8/18	9/6	11		
Piggy	8/18	9/6	11		
Denali	8/18	9/6	5	6	

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

Finished Dredging Berth 410 cut 2 station 108-125, cut 1 110 - 115 and 135 - 137. Move Dredge along Dock to secure

For weekend, Dredge 741 yds for a total of 5,633 removed from 410. 12,733 Removed from both sites combined having any clean-up.

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.

Performed Progress Survey, Results showed small clean-up to be Dredged Monday A.M. (8 - 10 Buckets)

3. Offsite surveillance activities, including action taken:

Coordinated with Anchor Environmental for Water Testing
Lash Barge

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

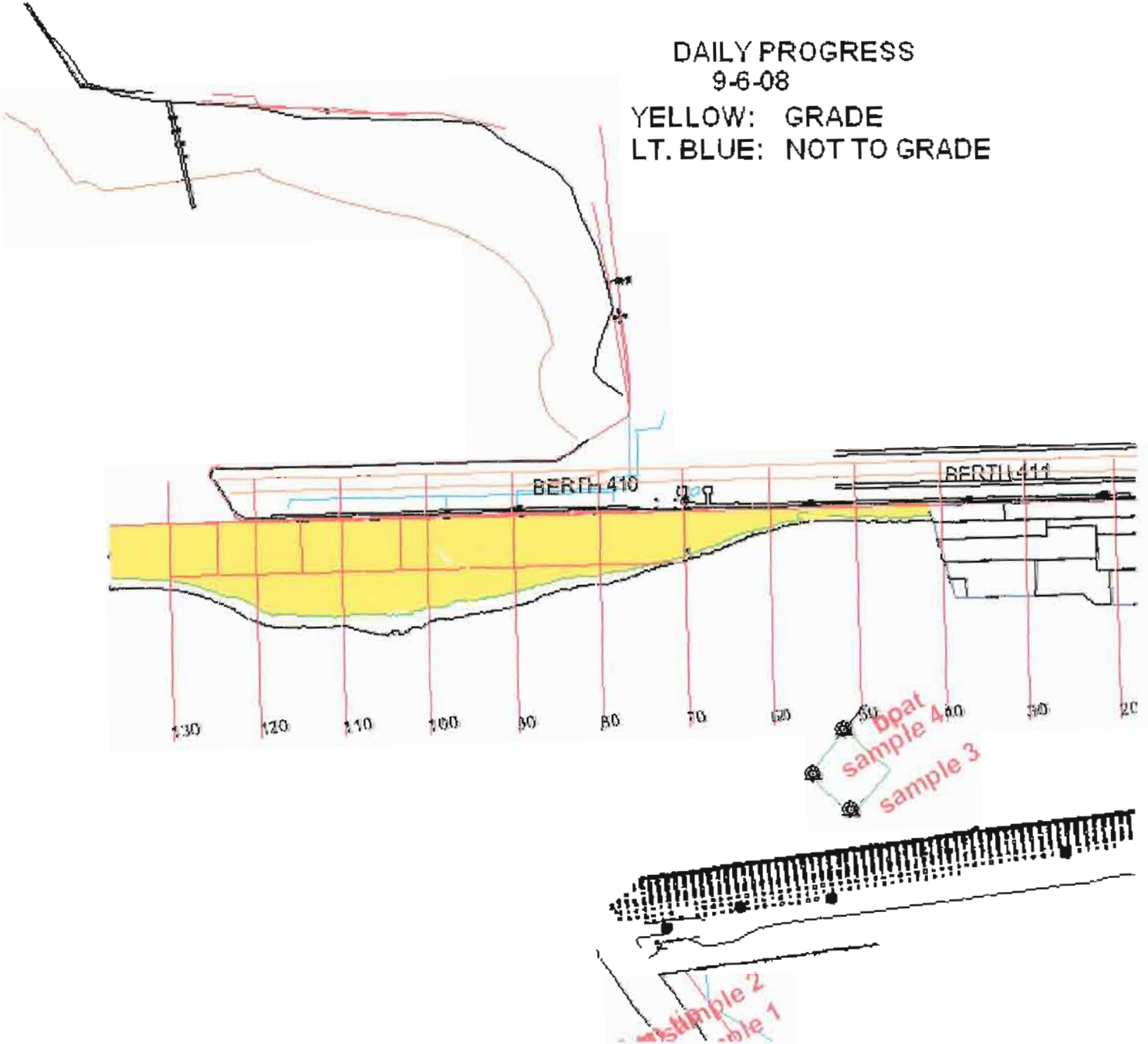
No Injuries or Accidents.

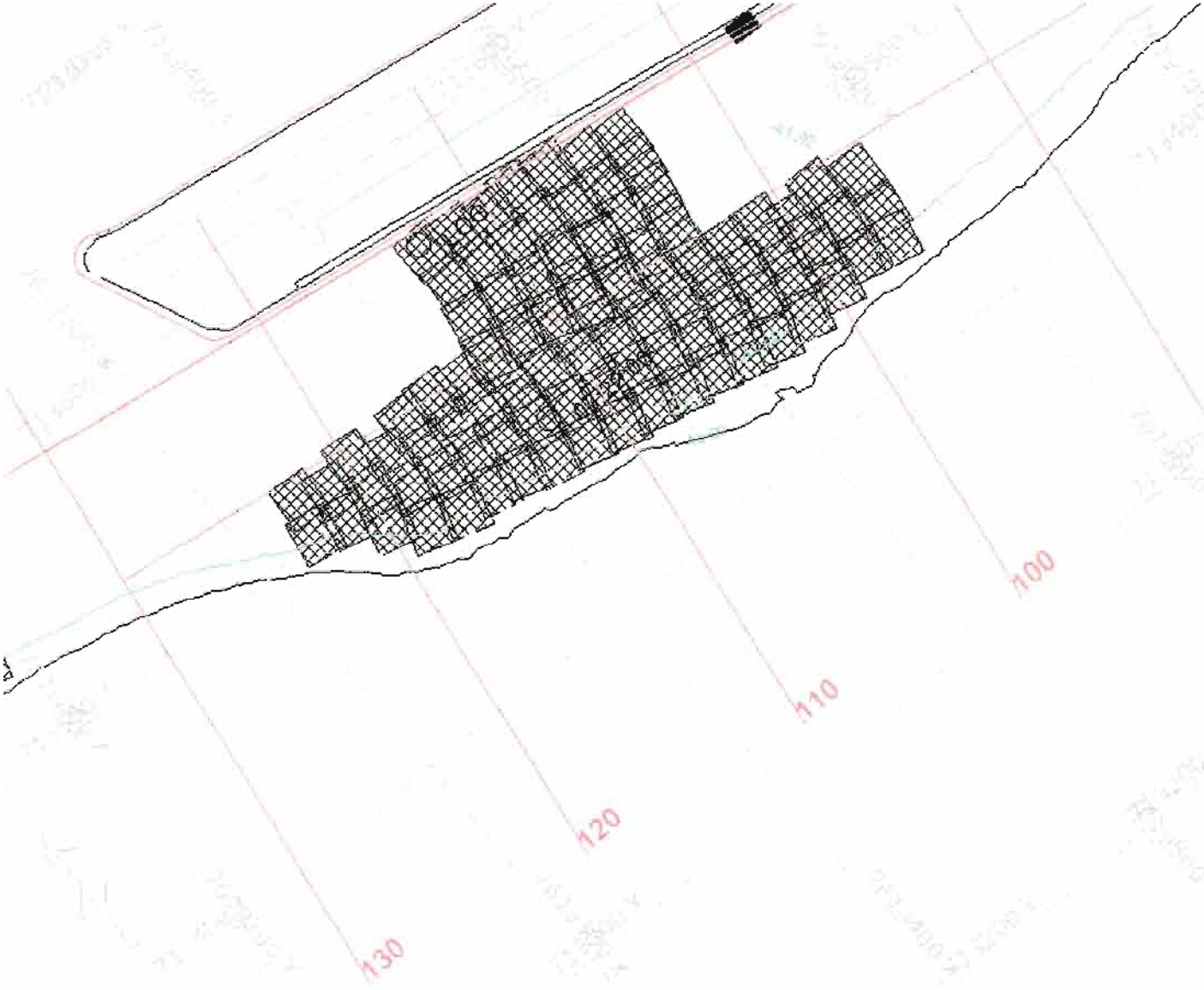
5. Remarks: (Instructions received or given. Conflict(s) in plans and/or specifications).

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	Date
[signature]	9/8/08

DAILY PROGRESS
9-6-08
YELLOW: GRADE
LT. BLUE: NOT TO GRADE




100
110
120
130

Dredge T

7619190.28	713599.34	0.00	89.27	19.00	17.00	54373
7619190.01	713582.89	0.00	95.75	19.00	17.00	54153
7619187.78	713567.05	0.00	101.84	19.00	17.00	53923
7619182.94	713550.84	0.00	107.43	19.00	17.00	53749
7619197.38	713605.65	0.00	87.20	19.00	17.00	52842
7619197.35	713596.03	0.00	90.43	19.00	17.00	52373
7619197.45	713579.77	0.00	96.00	19.00	17.00	52019
7619194.75	713563.01	0.00	102.02	19.00	17.00	51711
7619191.70	713546.54	0.00	108.06	19.00	17.00	51492
7619329.08	713516.26	0.00	94.62	19.00	17.00	46097
7619325.09	713501.20	0.00	100.45	19.00	17.00	45828
7619341.17	713510.89	0.00	96.46	19.00	17.00	45335
7619338.58	713497.33	0.00	100.92	19.00	17.00	44735
7619355.45	713515.38	0.00	94.81	19.00	17.00	43681
7619353.35	713500.03	0.00	99.73	19.00	17.00	43399
7619350.10	713485.54	0.00	104.17	19.00	17.00	43105
7619367.69	713506.30	0.00	95.46	19.00	17.00	41431
7619366.42	713491.75	0.00	100.27	19.00	17.00	41195
7619361.73	713475.49	0.00	106.19	19.00	17.00	40733
7619381.55	713513.52	0.00	92.88	19.00	17.00	39704
7619381.64	713498.91	0.00	97.53	19.00	17.00	39487
7619380.02	713486.91	0.00	101.08	19.00	17.00	39249
7619376.29	713470.90	0.00	106.02	19.00	17.00	38999
7619396.41	713514.30	0.00	91.96	19.00	17.00	38407
7619395.11	713499.49	0.00	96.52	19.00	17.00	38129
7619393.24	713487.10	0.00	100.10	19.00	17.00	37873
7619390.87	713470.02	0.00	105.33	19.00	17.00	36917
7619409.79	713510.89	0.00	90.76	19.00	17.00	34721
7619408.69	713497.71	0.00	93.70	19.00	17.00	34197
7619407.10	713484.06	0.00	98.96	19.00	17.00	33709
7619403.87	713467.92	0.00	105.10	19.00	17.00	33499
7619423.25	713503.04	0.00	91.47	19.00	17.00	32717
7619422.08	713489.48	0.00	96.29	19.00	17.00	32413
7619421.16	713478.63	0.00	99.88	19.00	17.00	32099
7619417.08	713463.64	0.00	105.14	19.00	17.00	31903
7619438.64	713505.18	0.00	90.94	19.00	17.00	30670
7619438.48	713491.56	0.00	95.55	19.00	17.00	30421
7619436.46	713476.84	0.00	100.58	19.00	17.00	30160
7619432.47	713460.83	0.00	106.35	19.00	17.00	30003
7619452.68	713501.80	0.00	92.13	19.00	17.00	29426
7619452.41	713487.80	0.00	96.50	19.00	17.00	29201
7619450.07	713472.23	0.00	101.66	19.00	17.00	28641
7619447.06	713457.63	0.00	106.65	19.00	17.00	28428
7619467.45	713499.20	0.00	92.59	19.00	17.00	27823
7619466.34	713483.13	0.00	97.23	19.00	17.00	27507
7619464.08	713471.40	0.00	100.38	19.00	17.00	27142
7619461.15	713455.90	0.00	104.99	19.00	17.00	26552
7619430.70	713561.01	0.00	88.71	19.00	17.00	25590
7619431.22	713544.82	0.00	93.72	19.00	17.00	25324
7619428.01	713528.47	0.00	99.48	19.00	17.00	24934
7619423.82	713512.75	0.00	104.66	19.00	17.00	24639

7619438.65	713513.10	0.00	103.81	19.00	17.00	24150
7619443.93	713527.19	0.00	98.90	19.00	17.00	23950
7619446.22	713543.35	0.00	93.69	19.00	17.00	23714
7619445.60	713558.47	0.00	88.95	19.00	17.00	23679

ATTACHMENT B

DAILY CONSTRUCTION MONITORING REPORTS FOR WHEELER BAY

Ash Creek Associates, Inc.
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PROJECT NUMBER	1066-04		
FIELD REPORT NUMBER	20		
PAGE	1	OF	2
DATE	9/2/2008		

PROJECT	Wheeler Bay Stabilization	ARRIVAL TIME	655
LOCATION	Terminal 4	DEPARTURE TIME	1800
CLIENT	Port of Portland	WEATHER	sunny 78F; Winds: NNW 4-6 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			X	X
Demarcation Layer			X		
Select Fill			X		
Filter Fabric			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		X	X	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 from 6+00 to 7+36 with fill at 4+00 to 5+00; Place armor rock at 8+00 to 8+20 to establish 2:1 slope; Armor rock delivered to site, meets visual insp
although average rock size is greater than 100 lb

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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 (see page I) and import materials (see page 1); Empire Electrical finishes relocating utilities at East trench and finish backfilling trench to electrical vault.

BY

Douglas Urquhart
ASH CREEK ASSOCIATES REPRESENTATIVE

REVIEWED BY

H. Clough
ASH CREEK ASSOCIATES PROJECT MANAGER

DAILY CONSTRUCTION & CQC REPORT

T4 Wheeler Bay Stabilization - PROJECT #1473600

ENVIROCON

Weather:

Max Temp: 85 | Site Conditions: dry
Min Temp: 55 | Winds: light
Precipitation: none

Report Information:

Date: 9/2/2008
Week Day: Tuesday
Shift: 7AM-6PM

Report Prepared By:

Personnel	WBS Task	Hours	Start	Finish	Equip	No.	Run	Stdby	WBS Task Code	Comments
KEVIN GEORGE	301	10.5	7AM	6PM	PC300 EXC.	Modern	8		301	Cut/fill,
WES JENSEN	301,801	6.5, 4	7AM	6PM	HM300 ARTIC	Modern	5		301	Cut/fill,
GEORGE LOTZE	2201	12	7AM	7PM	BOMAG ROLLER	United	2		8001	Compact trenchs
RICK MARTIN	301	10.5	7AM	6PM	JD450 DOZER	United	10		301	Cut/fill,
MIKE MCCOY	301	10.6	7AM	6PM	PC200 EXC.	3366	2		301	Cut/fill,
MATTHEW PATCHING	301,801	6.6, 4	7AM	6PM	WATER TRUCK	United	4		301	Dust control
SKIP SIMPSON					JD310 BACKHOE	1196	4		8001	Backfill trenchs, pull wire
SUZANNE STARKEY										

DESCRIPTION OF WORK (detail below):

Cut/fill slopes to subgrade. Survey slopes. Dust control. Backfill trenchs for electric relocation.

Import armor rock and stockpile. Excavate two artic loads of unsuitable fill to stockpile for transport offsite.

Empire electric completed the utility relocation today.

DOWNTIME OR DELAYS:

MATERIAL PLACED:

MATERIAL	STA (START) STA	STA (START) OFFSET	STA (STOP) 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

COMMENTS (Material Delivered-Removed/Qty.):

70 tons or so of Armor rock imported today to stockpile.

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:	

```
"Model Number", "DataRAM 4 ", 106
"Serial no.  ", "D630      "
"Device no.  ", 1
"Tag Number  ", 15
"Start Time  ", 07:58:59
"Start Date  ", 02-Sep-2008
"Log Period  ", 00:01:00
"Number      ", 593
"CalFactor   ", 1.000000
"Unit        ", 0
"Unit Name   ", "(MASS )ug/m3"
"SIZE_CORRECT", "DISABLED"
"TEMPUNITS   ", C
"Max MASS    ", 204.014600
"Max MASS  @ ", 593  ,17:51:59  ,02-Sep-2008
"Avg MASS    ", 15.473080
"Max Diam    ", 3.458587
"Max Diam @  ", 539  ,16:57:59  ,02-Sep-2008
"Avg Diam    ", 0.820862
"ALARM       ", "DISABLED"
"ALARM_LEVEL ", 0.0
"AUTO_ZERO   ", "DISABLED"
"AZ INTERVAL ", 10
"Errors      ", 0000
record,"(MASS )ug/m3", Temp, RHumidity, Diameter
     1,       33.0,  22.4,   33,   0.6506  ,07:59:59  ,02-Sep-2008
     2,       30.3,  22.2,   34,   0.7487  ,08:00:59  ,02-Sep-2008
     3,       31.3,  22.0,   34,   0.6418  ,08:01:59  ,02-Sep-2008
     4,       17.2,  21.8,   35,   0.5176  ,08:02:59  ,02-Sep-2008
     5,       16.6,  21.6,   35,   0.5236  ,08:03:59  ,02-Sep-2008
     6,       16.1,  21.4,   36,   0.6033  ,08:04:59  ,02-Sep-2008
     7,       17.0,  21.2,   36,   0.4706  ,08:05:59  ,02-Sep-2008
     8,       15.2,  21.1,   37,   0.5022  ,08:06:59  ,02-Sep-2008
     9,       18.2,  20.8,   37,   0.5752  ,08:07:59  ,02-Sep-2008
    10,       21.1,  20.7,   38,   0.5331  ,08:08:59  ,02-Sep-2008
    11,       16.8,  20.5,   38,   0.4609  ,08:09:59  ,02-Sep-2008
    12,       20.2,  20.3,   38,   0.5505  ,08:10:59  ,02-Sep-2008
    13,       28.9,  20.1,   39,   0.6799  ,08:11:59  ,02-Sep-2008
    14,       25.7,  19.9,   39,   0.5902  ,08:12:59  ,02-Sep-2008
    15,       20.4,  19.7,   40,   0.5520  ,08:13:59  ,02-Sep-2008
    16,       16.2,  19.6,   40,   0.5423  ,08:14:59  ,02-Sep-2008
    17,       17.3,  19.4,   40,   0.3874  ,08:15:59  ,02-Sep-2008
    18,       18.9,  19.2,   41,   0.4347  ,08:16:59  ,02-Sep-2008
    19,       17.9,  19.1,   41,   0.5561  ,08:17:59  ,02-Sep-2008
    20,       17.9,  18.9,   41,   0.4956  ,08:18:59  ,02-Sep-2008
    21,       22.0,  18.7,   42,   0.6487  ,08:19:59  ,02-Sep-2008
    22,       23.4,  18.5,   42,   0.5073  ,08:20:59  ,02-Sep-2008
    23,       20.8,  18.4,   43,   0.4715  ,08:21:59  ,02-Sep-2008
    24,       25.4,  18.2,   43,   0.4149  ,08:22:59  ,02-Sep-2008
    25,       24.5,  18.1,   43,   0.4712  ,08:23:59  ,02-Sep-2008
    26,       20.0,  17.9,   44,   0.4643  ,08:24:59  ,02-Sep-2008
    27,       19.5,  17.8,   44,   0.4638  ,08:25:59  ,02-Sep-2008
    28,       20.6,  17.6,   44,   0.4900  ,08:26:59  ,02-Sep-2008
    29,       24.4,  17.5,   45,   0.4465  ,08:27:59  ,02-Sep-2008
    30,       30.8,  17.4,   45,   0.5021  ,08:28:59  ,02-Sep-2008
    31,       31.0,  17.2,   45,   0.4151  ,08:29:59  ,02-Sep-2008
    32,       32.6,  17.1,   46,   0.4941  ,08:30:59  ,02-Sep-2008
    33,       32.3,  17.1,   46,   0.4534  ,08:31:59  ,02-Sep-2008
    34,       45.7,  17.0,   46,   0.3924  ,08:32:59  ,02-Sep-2008
    35,       27.3,  16.8,   47,   0.4333  ,08:33:59  ,02-Sep-2008
    36,       25.4,  16.7,   47,   0.5361  ,08:34:59  ,02-Sep-2008
    37,       26.3,  16.6,   47,   0.4870  ,08:35:59  ,02-Sep-2008
    38,       27.5,  16.6,   47,   0.5431  ,08:36:59  ,02-Sep-2008
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41,	21.5,	16.3,	48,	0.5012	,08:39:59	,02-Sep-2008
42,	23.0,	16.2,	49,	0.4704	,08:40:59	,02-Sep-2008
43,	25.0,	16.1,	49,	0.4709	,08:41:59	,02-Sep-2008
44,	23.8,	16.1,	49,	0.4892	,08:42:59	,02-Sep-2008
45,	21.7,	16.0,	50,	0.5711	,08:43:59	,02-Sep-2008
46,	21.2,	15.9,	50,	0.4923	,08:44:59	,02-Sep-2008
47,	20.8,	15.8,	50,	0.4293	,08:45:59	,02-Sep-2008
48,	21.6,	15.7,	50,	0.5267	,08:46:59	,02-Sep-2008
49,	20.8,	15.7,	51,	0.4682	,08:47:59	,02-Sep-2008
50,	22.2,	15.6,	51,	0.4243	,08:48:59	,02-Sep-2008
51,	23.4,	15.5,	51,	0.4538	,08:49:59	,02-Sep-2008
52,	24.8,	15.4,	52,	0.4862	,08:50:59	,02-Sep-2008
53,	25.1,	15.4,	52,	0.4307	,08:51:59	,02-Sep-2008
54,	29.3,	15.3,	52,	0.4499	,08:52:59	,02-Sep-2008
55,	34.6,	15.2,	53,	0.4773	,08:53:59	,02-Sep-2008
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57,	26.1,	15.1,	53,	0.5029	,08:55:59	,02-Sep-2008
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60,	30.5,	15.0,	54,	0.6323	,08:58:59	,02-Sep-2008
61,	24.6,	15.0,	54,	0.5131	,08:59:59	,02-Sep-2008
62,	26.2,	14.9,	54,	0.5082	,09:00:59	,02-Sep-2008
63,	24.1,	14.9,	55,	0.5336	,09:01:59	,02-Sep-2008
64,	26.1,	14.9,	55,	0.4805	,09:02:59	,02-Sep-2008
65,	24.1,	14.8,	55,	0.5006	,09:03:59	,02-Sep-2008
66,	28.8,	14.8,	55,	0.5612	,09:04:59	,02-Sep-2008
67,	99.0,	14.8,	55,	0.8870	,09:05:59	,02-Sep-2008
68,	25.8,	14.7,	55,	0.5578	,09:06:59	,02-Sep-2008
69,	36.0,	14.7,	56,	0.5883	,09:07:59	,02-Sep-2008
70,	30.7,	14.7,	56,	0.6747	,09:08:59	,02-Sep-2008
71,	39.0,	14.7,	56,	0.6616	,09:09:59	,02-Sep-2008
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73,	27.3,	14.6,	56,	0.5817	,09:11:59	,02-Sep-2008
74,	31.7,	14.6,	57,	0.6478	,09:12:59	,02-Sep-2008
75,	30.3,	14.6,	57,	0.4964	,09:13:59	,02-Sep-2008
76,	47.2,	14.5,	57,	0.5671	,09:14:59	,02-Sep-2008
77,	62.5,	14.5,	57,	0.7693	,09:15:59	,02-Sep-2008
78,	29.5,	14.5,	57,	0.4342	,09:16:59	,02-Sep-2008
79,	31.1,	14.4,	58,	0.5871	,09:17:59	,02-Sep-2008
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81,	42.5,	14.4,	58,	0.5624	,09:19:59	,02-Sep-2008
82,	42.8,	14.4,	58,	0.6292	,09:20:59	,02-Sep-2008
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84,	35.0,	14.3,	59,	0.5021	,09:22:59	,02-Sep-2008
85,	40.6,	14.3,	59,	0.5197	,09:23:59	,02-Sep-2008
86,	38.6,	14.3,	59,	0.4881	,09:24:59	,02-Sep-2008
87,	39.9,	14.3,	60,	0.5018	,09:25:59	,02-Sep-2008
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89,	45.7,	14.4,	60,	0.6929	,09:27:59	,02-Sep-2008
90,	27.7,	14.4,	60,	0.6769	,09:28:59	,02-Sep-2008
91,	23.8,	14.4,	61,	0.5604	,09:29:59	,02-Sep-2008
92,	23.7,	14.4,	61,	0.5041	,09:30:59	,02-Sep-2008
93,	22.8,	14.5,	61,	0.6001	,09:31:59	,02-Sep-2008
94,	22.2,	14.5,	61,	0.6450	,09:32:59	,02-Sep-2008
95,	25.0,	14.5,	61,	0.6961	,09:33:59	,02-Sep-2008
96,	33.4,	14.5,	61,	0.6239	,09:34:59	,02-Sep-2008
97,	37.8,	14.5,	61,	0.6432	,09:35:59	,02-Sep-2008
98,	29.8,	14.4,	61,	0.6178	,09:36:59	,02-Sep-2008
99,	28.9,	14.4,	61,	0.5491	,09:37:59	,02-Sep-2008
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101,	25.4,	14.4,	62,	0.4925	,09:39:59	,02-Sep-2008

102,	26.0,	14.4,	61,	0.4739	,09:40:59	,02-Sep-2008
103,	27.0,	14.3,	62,	0.4967	,09:41:59	,02-Sep-2008
104,	26.5,	14.3,	62,	0.4663	,09:42:59	,02-Sep-2008
105,	46.0,	14.3,	62,	0.6203	,09:43:59	,02-Sep-2008
106,	37.2,	14.2,	62,	0.5467	,09:44:59	,02-Sep-2008
107,	37.2,	14.3,	62,	0.5311	,09:45:59	,02-Sep-2008
108,	46.4,	14.2,	62,	0.5767	,09:46:59	,02-Sep-2008
109,	28.1,	14.2,	63,	0.5282	,09:47:59	,02-Sep-2008
110,	43.6,	14.2,	63,	0.4361	,09:48:59	,02-Sep-2008
111,	32.7,	14.2,	63,	0.4391	,09:49:59	,02-Sep-2008
112,	43.7,	14.2,	63,	0.4995	,09:50:59	,02-Sep-2008
113,	50.6,	14.2,	63,	0.4374	,09:51:59	,02-Sep-2008
114,	32.7,	14.2,	63,	0.4730	,09:52:59	,02-Sep-2008
115,	44.3,	14.2,	63,	0.4876	,09:53:59	,02-Sep-2008
116,	32.5,	14.2,	63,	0.4708	,09:54:59	,02-Sep-2008
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120,	31.9,	14.2,	63,	0.5802	,09:58:59	,02-Sep-2008
121,	43.5,	14.2,	64,	0.4862	,09:59:59	,02-Sep-2008
122,	33.2,	14.3,	64,	0.5035	,10:00:59	,02-Sep-2008
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124,	29.3,	14.3,	64,	0.5592	,10:02:59	,02-Sep-2008
125,	28.6,	14.3,	64,	0.5521	,10:03:59	,02-Sep-2008
126,	28.3,	14.4,	64,	0.4701	,10:04:59	,02-Sep-2008
127,	70.1,	14.4,	64,	0.5372	,10:05:59	,02-Sep-2008
128,	31.8,	14.5,	64,	0.5511	,10:06:59	,02-Sep-2008
129,	55.4,	14.5,	64,	0.6391	,10:07:59	,02-Sep-2008
130,	29.1,	14.5,	64,	0.5757	,10:08:59	,02-Sep-2008
131,	28.3,	14.5,	64,	0.4350	,10:09:59	,02-Sep-2008
132,	31.6,	14.5,	64,	0.5288	,10:10:59	,02-Sep-2008
133,	33.5,	14.6,	64,	0.5042	,10:11:59	,02-Sep-2008
134,	26.9,	14.6,	64,	0.4519	,10:12:59	,02-Sep-2008
135,	28.6,	14.6,	64,	0.4773	,10:13:59	,02-Sep-2008
136,	28.2,	14.6,	64,	0.6669	,10:14:59	,02-Sep-2008
137,	26.6,	14.6,	64,	0.5723	,10:15:59	,02-Sep-2008
138,	26.2,	14.6,	65,	0.5717	,10:16:59	,02-Sep-2008
139,	30.3,	14.7,	65,	0.5246	,10:17:59	,02-Sep-2008
140,	30.2,	14.7,	64,	0.6522	,10:18:59	,02-Sep-2008
141,	29.4,	14.7,	65,	0.6246	,10:19:59	,02-Sep-2008
142,	32.2,	14.8,	65,	0.6757	,10:20:59	,02-Sep-2008
143,	32.5,	14.8,	65,	0.5253	,10:21:59	,02-Sep-2008
144,	32.4,	14.9,	64,	0.5473	,10:22:59	,02-Sep-2008
145,	33.7,	14.9,	64,	0.6632	,10:23:59	,02-Sep-2008
146,	28.1,	15.0,	64,	0.5401	,10:24:59	,02-Sep-2008
147,	25.2,	15.0,	65,	0.4770	,10:25:59	,02-Sep-2008
148,	27.7,	15.1,	64,	0.5414	,10:26:59	,02-Sep-2008
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151,	31.2,	15.2,	65,	0.5953	,10:29:59	,02-Sep-2008
152,	32.7,	15.2,	64,	0.6994	,10:30:59	,02-Sep-2008
153,	27.1,	15.3,	64,	0.6625	,10:31:59	,02-Sep-2008
154,	25.3,	15.3,	64,	0.5890	,10:32:59	,02-Sep-2008
155,	22.6,	15.4,	64,	0.5891	,10:33:59	,02-Sep-2008
156,	23.4,	15.5,	64,	0.5645	,10:34:59	,02-Sep-2008
157,	30.3,	15.5,	64,	0.6165	,10:35:59	,02-Sep-2008
158,	26.2,	15.6,	64,	0.5333	,10:36:59	,02-Sep-2008
159,	21.4,	15.7,	64,	0.4341	,10:37:59	,02-Sep-2008
160,	22.3,	15.7,	64,	0.5437	,10:38:59	,02-Sep-2008
161,	21.9,	15.8,	64,	0.6544	,10:39:59	,02-Sep-2008
162,	21.9,	15.9,	64,	0.5722	,10:40:59	,02-Sep-2008
163,	24.9,	16.0,	64,	0.5839	,10:41:59	,02-Sep-2008
164,	55.9,	16.1,	64,	1.6255	,10:42:59	,02-Sep-2008

165,	33.4,	16.1,	64,	1.9537	,10:43:59	,02-Sep-2008
166,	20.4,	16.2,	64,	0.8736	,10:44:59	,02-Sep-2008
167,	17.9,	16.2,	63,	0.5858	,10:45:59	,02-Sep-2008
168,	20.0,	16.3,	64,	0.5310	,10:46:59	,02-Sep-2008
169,	20.8,	16.4,	63,	0.5119	,10:47:59	,02-Sep-2008
170,	21.5,	16.5,	63,	0.5143	,10:48:59	,02-Sep-2008
171,	29.7,	16.5,	63,	0.5852	,10:49:59	,02-Sep-2008
172,	21.2,	16.6,	63,	0.5866	,10:50:59	,02-Sep-2008
173,	62.3,	16.6,	63,	0.4826	,10:51:59	,02-Sep-2008
174,	25.6,	16.7,	63,	0.5057	,10:52:59	,02-Sep-2008
175,	27.7,	16.7,	63,	0.5850	,10:53:59	,02-Sep-2008
176,	22.5,	16.8,	62,	0.5967	,10:54:59	,02-Sep-2008
177,	22.1,	16.8,	62,	0.5358	,10:55:59	,02-Sep-2008
178,	18.0,	16.9,	62,	0.4430	,10:56:59	,02-Sep-2008
179,	18.4,	17.0,	62,	0.5892	,10:57:59	,02-Sep-2008
180,	21.3,	17.1,	62,	0.5994	,10:58:59	,02-Sep-2008
181,	18.7,	17.1,	61,	0.5930	,10:59:59	,02-Sep-2008
182,	17.1,	17.2,	61,	0.4463	,11:00:59	,02-Sep-2008
183,	16.2,	17.2,	61,	0.5632	,11:01:59	,02-Sep-2008
184,	18.0,	17.3,	61,	0.5345	,11:02:59	,02-Sep-2008
185,	17.6,	17.4,	61,	0.5481	,11:03:59	,02-Sep-2008
186,	14.7,	17.4,	61,	0.4622	,11:04:59	,02-Sep-2008
187,	14.4,	17.5,	60,	0.4501	,11:05:59	,02-Sep-2008
188,	14.8,	17.5,	60,	0.5854	,11:06:59	,02-Sep-2008
189,	16.0,	17.6,	60,	0.5946	,11:07:59	,02-Sep-2008
190,	15.0,	17.6,	60,	0.4978	,11:08:59	,02-Sep-2008
191,	14.4,	17.6,	60,	0.4681	,11:09:59	,02-Sep-2008
192,	13.8,	17.7,	59,	0.7145	,11:10:59	,02-Sep-2008
193,	13.7,	17.7,	59,	0.5333	,11:11:59	,02-Sep-2008
194,	12.7,	17.8,	59,	0.4465	,11:12:59	,02-Sep-2008
195,	13.4,	17.9,	59,	0.6070	,11:13:59	,02-Sep-2008
196,	15.7,	17.9,	59,	0.5684	,11:14:59	,02-Sep-2008
197,	14.1,	18.0,	59,	0.7445	,11:15:59	,02-Sep-2008
198,	14.1,	18.0,	58,	0.5609	,11:16:59	,02-Sep-2008
199,	14.4,	18.0,	58,	0.6623	,11:17:59	,02-Sep-2008
200,	15.2,	18.1,	58,	0.5553	,11:18:59	,02-Sep-2008
201,	13.3,	18.1,	58,	0.5279	,11:19:59	,02-Sep-2008
202,	12.0,	18.1,	58,	0.7689	,11:20:59	,02-Sep-2008
203,	13.2,	18.2,	58,	0.5693	,11:21:59	,02-Sep-2008
204,	14.6,	18.2,	58,	0.9347	,11:22:59	,02-Sep-2008
205,	12.1,	18.3,	57,	0.6590	,11:23:59	,02-Sep-2008
206,	12.1,	18.3,	57,	0.7432	,11:24:59	,02-Sep-2008
207,	12.0,	18.4,	57,	0.7264	,11:25:59	,02-Sep-2008
208,	12.5,	18.4,	57,	0.7752	,11:26:59	,02-Sep-2008
209,	11.2,	18.5,	57,	0.6295	,11:27:59	,02-Sep-2008
210,	11.4,	18.6,	57,	0.6545	,11:28:59	,02-Sep-2008
211,	11.0,	18.6,	56,	0.5304	,11:29:59	,02-Sep-2008
212,	11.3,	18.7,	56,	0.5392	,11:30:59	,02-Sep-2008
213,	11.8,	18.7,	56,	0.5909	,11:31:59	,02-Sep-2008
214,	11.9,	18.8,	56,	0.5386	,11:32:59	,02-Sep-2008
215,	12.3,	18.8,	56,	0.6388	,11:33:59	,02-Sep-2008
216,	13.0,	18.9,	56,	0.8254	,11:34:59	,02-Sep-2008
217,	14.2,	19.0,	55,	0.5397	,11:35:59	,02-Sep-2008
218,	11.6,	19.0,	55,	0.5240	,11:36:59	,02-Sep-2008
219,	11.2,	19.1,	55,	0.5075	,11:37:59	,02-Sep-2008
220,	12.9,	19.2,	55,	0.5312	,11:38:59	,02-Sep-2008
221,	12.2,	19.2,	55,	0.5325	,11:39:59	,02-Sep-2008
222,	15.2,	19.3,	55,	0.8282	,11:40:59	,02-Sep-2008
223,	15.0,	19.4,	54,	0.5921	,11:41:59	,02-Sep-2008
224,	11.6,	19.4,	54,	0.4395	,11:42:59	,02-Sep-2008
225,	9.5,	19.5,	54,	0.4307	,11:43:59	,02-Sep-2008
226,	10.7,	19.5,	54,	0.6406	,11:44:59	,02-Sep-2008
227,	9.8,	19.5,	53,	0.6073	,11:45:59	,02-Sep-2008

228,	9.7,	19.6,	53,	0.4950	,11:46:59	,02-Sep-2008
229,	9.6,	19.6,	53,	0.5312	,11:47:59	,02-Sep-2008
230,	9.5,	19.6,	53,	0.6855	,11:48:59	,02-Sep-2008
231,	10.4,	19.6,	53,	1.2072	,11:49:59	,02-Sep-2008
232,	10.9,	19.6,	52,	0.8688	,11:50:59	,02-Sep-2008
233,	11.2,	19.6,	52,	0.7919	,11:51:59	,02-Sep-2008
234,	11.3,	19.6,	52,	0.6858	,11:52:59	,02-Sep-2008
235,	9.9,	19.6,	52,	0.5713	,11:53:59	,02-Sep-2008
236,	11.3,	19.7,	52,	0.9689	,11:54:59	,02-Sep-2008
237,	11.6,	19.7,	52,	1.0434	,11:55:59	,02-Sep-2008
238,	11.5,	19.7,	52,	1.2069	,11:56:59	,02-Sep-2008
239,	10.1,	19.8,	52,	0.5339	,11:57:59	,02-Sep-2008
240,	9.2,	19.8,	52,	0.4657	,11:58:59	,02-Sep-2008
241,	9.4,	19.9,	51,	0.4767	,11:59:59	,02-Sep-2008
242,	9.8,	19.9,	51,	0.4261	,12:00:59	,02-Sep-2008
243,	9.2,	20.0,	51,	0.4594	,12:01:59	,02-Sep-2008
244,	9.5,	20.0,	51,	0.5559	,12:02:59	,02-Sep-2008
245,	11.7,	20.1,	51,	0.8644	,12:03:59	,02-Sep-2008
246,	10.5,	20.1,	51,	0.7502	,12:04:59	,02-Sep-2008
247,	11.3,	20.1,	51,	0.6562	,12:05:59	,02-Sep-2008
248,	12.6,	20.2,	50,	0.9475	,12:06:59	,02-Sep-2008
249,	14.9,	20.2,	51,	0.5971	,12:07:59	,02-Sep-2008
250,	13.0,	20.3,	50,	0.7494	,12:08:59	,02-Sep-2008
251,	9.7,	20.4,	50,	0.7806	,12:09:59	,02-Sep-2008
252,	9.6,	20.5,	50,	0.9183	,12:10:59	,02-Sep-2008
253,	6.5,	20.6,	50,	0.7539	,12:11:59	,02-Sep-2008
254,	6.2,	20.6,	49,	0.6871	,12:12:59	,02-Sep-2008
255,	6.6,	20.7,	49,	0.5969	,12:13:59	,02-Sep-2008
256,	7.7,	20.8,	49,	1.0721	,12:14:59	,02-Sep-2008
257,	7.3,	20.8,	48,	0.6522	,12:15:59	,02-Sep-2008
258,	6.6,	20.9,	48,	0.4896	,12:16:59	,02-Sep-2008
259,	7.0,	21.0,	48,	1.5816	,12:17:59	,02-Sep-2008
260,	7.3,	21.0,	48,	0.7823	,12:18:59	,02-Sep-2008
261,	7.4,	21.1,	48,	0.6249	,12:19:59	,02-Sep-2008
262,	8.6,	21.1,	48,	1.5841	,12:20:59	,02-Sep-2008
263,	8.4,	21.1,	48,	1.2956	,12:21:59	,02-Sep-2008
264,	9.4,	21.2,	47,	0.5946	,12:22:59	,02-Sep-2008
265,	11.0,	21.3,	47,	0.6285	,12:23:59	,02-Sep-2008
266,	11.7,	21.3,	47,	0.9564	,12:24:59	,02-Sep-2008
267,	11.8,	21.4,	47,	1.7354	,12:25:59	,02-Sep-2008
268,	12.3,	21.4,	47,	1.1151	,12:26:59	,02-Sep-2008
269,	10.1,	21.5,	47,	1.0520	,12:27:59	,02-Sep-2008
270,	11.0,	21.5,	46,	1.7908	,12:28:59	,02-Sep-2008
271,	11.2,	21.5,	47,	1.6084	,12:29:59	,02-Sep-2008
272,	12.6,	21.6,	46,	0.6932	,12:30:59	,02-Sep-2008
273,	10.9,	21.6,	46,	0.6296	,12:31:59	,02-Sep-2008
274,	9.9,	21.7,	46,	0.8439	,12:32:59	,02-Sep-2008
275,	8.2,	21.7,	46,	0.5652	,12:33:59	,02-Sep-2008
276,	20.4,	21.8,	46,	0.6477	,12:34:59	,02-Sep-2008
277,	13.3,	21.9,	45,	0.9295	,12:35:59	,02-Sep-2008
278,	11.9,	22.0,	46,	1.0311	,12:36:59	,02-Sep-2008
279,	10.4,	22.1,	45,	0.4836	,12:37:59	,02-Sep-2008
280,	10.7,	22.2,	46,	0.5731	,12:38:59	,02-Sep-2008
281,	10.5,	22.2,	45,	0.7144	,12:39:59	,02-Sep-2008
282,	10.4,	22.2,	45,	0.5247	,12:40:59	,02-Sep-2008
283,	9.9,	22.2,	45,	1.0699	,12:41:59	,02-Sep-2008
284,	10.8,	22.2,	45,	1.1258	,12:42:59	,02-Sep-2008
285,	9.4,	22.2,	45,	0.6602	,12:43:59	,02-Sep-2008
286,	11.0,	22.1,	45,	0.5974	,12:44:59	,02-Sep-2008
287,	12.2,	22.1,	46,	0.5704	,12:45:59	,02-Sep-2008
288,	8.3,	22.1,	46,	0.4782	,12:46:59	,02-Sep-2008
289,	9.3,	22.0,	46,	0.9025	,12:47:59	,02-Sep-2008
290,	9.0,	22.0,	46,	0.5560	,12:48:59	,02-Sep-2008

291,	7.5,	22.0,	47,	0.6287	,12:49:59	,02-Sep-2008
292,	10.5,	22.0,	47,	2.0084	,12:50:59	,02-Sep-2008
293,	8.5,	22.0,	47,	0.9303	,12:51:59	,02-Sep-2008
294,	9.6,	22.0,	47,	1.3291	,12:52:59	,02-Sep-2008
295,	8.2,	22.0,	47,	0.7214	,12:53:59	,02-Sep-2008
296,	7.4,	22.1,	47,	1.2403	,12:54:59	,02-Sep-2008
297,	8.4,	22.1,	47,	1.0466	,12:55:59	,02-Sep-2008
298,	9.0,	22.2,	47,	0.8866	,12:56:59	,02-Sep-2008
299,	7.9,	22.2,	47,	0.4513	,12:57:59	,02-Sep-2008
300,	8.4,	22.2,	46,	0.5077	,12:58:59	,02-Sep-2008
301,	8.4,	22.3,	46,	0.4195	,12:59:59	,02-Sep-2008
302,	9.5,	22.3,	46,	0.4819	,13:00:59	,02-Sep-2008
303,	11.5,	22.4,	46,	0.5648	,13:01:59	,02-Sep-2008
304,	39.0,	22.5,	46,	1.0212	,13:02:59	,02-Sep-2008
305,	9.6,	22.5,	46,	1.4793	,13:03:59	,02-Sep-2008
306,	8.3,	22.6,	46,	0.8030	,13:04:59	,02-Sep-2008
307,	8.0,	22.7,	45,	0.5000	,13:05:59	,02-Sep-2008
308,	7.9,	22.7,	45,	0.7285	,13:06:59	,02-Sep-2008
309,	6.1,	22.8,	45,	0.5847	,13:07:59	,02-Sep-2008
310,	9.1,	22.8,	45,	0.7314	,13:08:59	,02-Sep-2008
311,	7.1,	22.9,	45,	0.6198	,13:09:59	,02-Sep-2008
312,	8.2,	23.0,	45,	1.1761	,13:10:59	,02-Sep-2008
313,	8.6,	23.0,	44,	0.5091	,13:11:59	,02-Sep-2008
314,	7.2,	23.1,	44,	0.4932	,13:12:59	,02-Sep-2008
315,	7.7,	23.2,	44,	0.7830	,13:13:59	,02-Sep-2008
316,	8.4,	23.2,	44,	0.8980	,13:14:59	,02-Sep-2008
317,	7.2,	23.3,	44,	0.8107	,13:15:59	,02-Sep-2008
318,	6.8,	23.4,	44,	0.4661	,13:16:59	,02-Sep-2008
319,	5.4,	23.5,	44,	0.4071	,13:17:59	,02-Sep-2008
320,	6.8,	23.5,	44,	0.5998	,13:18:59	,02-Sep-2008
321,	7.2,	23.6,	44,	0.5462	,13:19:59	,02-Sep-2008
322,	10.5,	23.6,	44,	1.0387	,13:20:59	,02-Sep-2008
323,	8.4,	23.7,	44,	1.3861	,13:21:59	,02-Sep-2008
324,	9.2,	23.8,	44,	1.0565	,13:22:59	,02-Sep-2008
325,	10.7,	23.8,	44,	0.6308	,13:23:59	,02-Sep-2008
326,	12.2,	23.9,	43,	0.7176	,13:24:59	,02-Sep-2008
327,	7.8,	24.0,	43,	0.5762	,13:25:59	,02-Sep-2008
328,	9.0,	24.0,	43,	1.9255	,13:26:59	,02-Sep-2008
329,	10.6,	24.1,	42,	0.7608	,13:27:59	,02-Sep-2008
330,	9.9,	24.2,	42,	0.9377	,13:28:59	,02-Sep-2008
331,	13.7,	24.2,	42,	1.0106	,13:29:59	,02-Sep-2008
332,	15.0,	24.3,	42,	2.0218	,13:30:59	,02-Sep-2008
333,	14.4,	24.4,	42,	2.7493	,13:31:59	,02-Sep-2008
334,	11.4,	24.5,	42,	1.0248	,13:32:59	,02-Sep-2008
335,	11.6,	24.6,	42,	1.7904	,13:33:59	,02-Sep-2008
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337,	13.4,	24.8,	41,	1.4493	,13:35:59	,02-Sep-2008
338,	11.5,	24.9,	41,	1.0923	,13:36:59	,02-Sep-2008
339,	12.5,	25.0,	41,	1.5102	,13:37:59	,02-Sep-2008
340,	11.1,	25.1,	41,	2.4237	,13:38:59	,02-Sep-2008
341,	12.0,	25.2,	40,	2.6398	,13:39:59	,02-Sep-2008
342,	10.6,	25.3,	40,	2.5445	,13:40:59	,02-Sep-2008
343,	7.8,	25.4,	40,	0.6988	,13:41:59	,02-Sep-2008
344,	6.8,	25.5,	40,	0.4985	,13:42:59	,02-Sep-2008
345,	8.2,	25.6,	40,	0.6684	,13:43:59	,02-Sep-2008
346,	16.8,	25.6,	40,	2.1263	,13:44:59	,02-Sep-2008
347,	11.9,	25.7,	39,	2.4789	,13:45:59	,02-Sep-2008
348,	7.0,	25.9,	39,	0.8759	,13:46:59	,02-Sep-2008
349,	6.4,	26.0,	39,	1.0462	,13:47:59	,02-Sep-2008
350,	6.2,	26.1,	39,	0.4687	,13:48:59	,02-Sep-2008
351,	6.1,	26.2,	39,	0.4887	,13:49:59	,02-Sep-2008
352,	7.1,	26.3,	39,	0.5098	,13:50:59	,02-Sep-2008
353,	7.6,	26.3,	38,	1.0815	,13:51:59	,02-Sep-2008

354,	7.7,	26.4,	38,	1.2572	,13:52:59	,02-Sep-2008
355,	7.0,	26.4,	38,	1.3068	,13:53:59	,02-Sep-2008
356,	8.9,	26.5,	38,	2.2761	,13:54:59	,02-Sep-2008
357,	8.2,	26.5,	38,	1.2054	,13:55:59	,02-Sep-2008
358,	8.9,	26.5,	38,	1.4321	,13:56:59	,02-Sep-2008
359,	6.1,	26.5,	38,	0.4709	,13:57:59	,02-Sep-2008
360,	8.3,	26.5,	38,	0.8795	,13:58:59	,02-Sep-2008
361,	8.8,	26.5,	38,	0.8213	,13:59:59	,02-Sep-2008
362,	6.5,	26.5,	38,	1.0429	,14:00:59	,02-Sep-2008
363,	7.1,	26.5,	37,	1.1196	,14:01:59	,02-Sep-2008
364,	8.4,	26.5,	38,	0.7011	,14:02:59	,02-Sep-2008
365,	6.5,	26.4,	37,	0.5763	,14:03:59	,02-Sep-2008
366,	6.8,	26.5,	38,	0.5394	,14:04:59	,02-Sep-2008
367,	7.2,	26.4,	37,	0.7323	,14:05:59	,02-Sep-2008
368,	9.7,	26.4,	37,	1.1990	,14:06:59	,02-Sep-2008
369,	7.1,	26.4,	38,	0.9390	,14:07:59	,02-Sep-2008
370,	7.8,	26.4,	37,	0.6439	,14:08:59	,02-Sep-2008
371,	9.1,	26.4,	37,	1.5911	,14:09:59	,02-Sep-2008
372,	9.2,	26.4,	37,	1.5173	,14:10:59	,02-Sep-2008
373,	6.8,	26.4,	37,	0.7672	,14:11:59	,02-Sep-2008
374,	9.9,	26.4,	37,	0.8302	,14:12:59	,02-Sep-2008
375,	6.1,	26.4,	37,	0.7650	,14:13:59	,02-Sep-2008
376,	7.2,	26.4,	37,	1.0640	,14:14:59	,02-Sep-2008
377,	8.1,	26.5,	37,	0.5804	,14:15:59	,02-Sep-2008
378,	8.1,	26.5,	37,	2.2046	,14:16:59	,02-Sep-2008
379,	7.6,	26.5,	37,	0.7981	,14:17:59	,02-Sep-2008
380,	6.8,	26.5,	37,	1.0381	,14:18:59	,02-Sep-2008
381,	8.4,	26.5,	37,	1.6245	,14:19:59	,02-Sep-2008
382,	8.4,	26.5,	37,	0.8387	,14:20:59	,02-Sep-2008
383,	9.9,	26.5,	38,	0.7703	,14:21:59	,02-Sep-2008
384,	9.6,	26.5,	38,	0.9995	,14:22:59	,02-Sep-2008
385,	7.2,	26.5,	38,	0.8186	,14:23:59	,02-Sep-2008
386,	5.9,	26.5,	38,	0.5081	,14:24:59	,02-Sep-2008
387,	7.9,	26.6,	38,	0.5731	,14:25:59	,02-Sep-2008
388,	8.4,	26.6,	38,	0.5543	,14:26:59	,02-Sep-2008
389,	9.3,	26.6,	38,	1.0232	,14:27:59	,02-Sep-2008
390,	11.9,	26.6,	38,	2.2744	,14:28:59	,02-Sep-2008
391,	12.2,	26.6,	38,	2.4679	,14:29:59	,02-Sep-2008
392,	8.8,	26.6,	37,	1.0328	,14:30:59	,02-Sep-2008
393,	9.6,	26.6,	37,	0.8609	,14:31:59	,02-Sep-2008
394,	8.4,	26.6,	38,	0.7952	,14:32:59	,02-Sep-2008
395,	8.1,	26.6,	38,	0.6108	,14:33:59	,02-Sep-2008
396,	6.9,	26.6,	38,	0.4017	,14:34:59	,02-Sep-2008
397,	8.8,	26.6,	38,	1.3467	,14:35:59	,02-Sep-2008
398,	8.1,	26.7,	38,	1.1581	,14:36:59	,02-Sep-2008
399,	8.9,	26.7,	37,	0.9753	,14:37:59	,02-Sep-2008
400,	7.5,	26.7,	37,	0.6681	,14:38:59	,02-Sep-2008
401,	8.9,	26.8,	37,	0.9036	,14:39:59	,02-Sep-2008
402,	8.4,	26.8,	37,	0.6653	,14:40:59	,02-Sep-2008
403,	6.5,	26.8,	37,	0.5793	,14:41:59	,02-Sep-2008
404,	8.9,	26.8,	37,	1.9846	,14:42:59	,02-Sep-2008
405,	7.8,	26.8,	37,	1.5191	,14:43:59	,02-Sep-2008
406,	7.0,	26.8,	37,	0.6790	,14:44:59	,02-Sep-2008
407,	7.1,	26.9,	37,	1.0985	,14:45:59	,02-Sep-2008
408,	7.8,	26.9,	37,	0.6131	,14:46:59	,02-Sep-2008
409,	7.5,	26.9,	37,	0.8767	,14:47:59	,02-Sep-2008
410,	8.1,	26.9,	37,	1.6971	,14:48:59	,02-Sep-2008
411,	6.2,	26.9,	37,	0.3707	,14:49:59	,02-Sep-2008
412,	6.6,	26.9,	37,	0.4231	,14:50:59	,02-Sep-2008
413,	5.0,	26.9,	37,	0.4735	,14:51:59	,02-Sep-2008
414,	6.6,	26.9,	37,	0.5467	,14:52:59	,02-Sep-2008
415,	5.6,	26.9,	37,	0.3924	,14:53:59	,02-Sep-2008
416,	6.9,	26.9,	37,	0.6323	,14:54:59	,02-Sep-2008

417,	5.3,	26.9,	37,	0.3690	,14:55:59	,02-Sep-2008
418,	6.1,	26.9,	37,	0.4306	,14:56:59	,02-Sep-2008
419,	7.1,	26.9,	37,	0.8055	,14:57:59	,02-Sep-2008
420,	6.4,	26.9,	37,	0.4709	,14:58:59	,02-Sep-2008
421,	5.0,	26.9,	37,	0.5005	,14:59:59	,02-Sep-2008
422,	6.0,	27.0,	37,	0.5206	,15:00:59	,02-Sep-2008
423,	6.8,	27.0,	37,	0.8016	,15:01:59	,02-Sep-2008
424,	5.7,	27.0,	37,	0.5004	,15:02:59	,02-Sep-2008
425,	5.1,	27.0,	37,	0.4582	,15:03:59	,02-Sep-2008
426,	6.1,	27.0,	37,	0.5720	,15:04:59	,02-Sep-2008
427,	4.9,	27.0,	37,	0.9104	,15:05:59	,02-Sep-2008
428,	8.4,	27.1,	36,	0.7568	,15:06:59	,02-Sep-2008
429,	10.5,	27.1,	36,	2.3081	,15:07:59	,02-Sep-2008
430,	5.7,	27.1,	36,	1.3313	,15:08:59	,02-Sep-2008
431,	6.9,	27.1,	36,	0.8875	,15:09:59	,02-Sep-2008
432,	5.8,	27.1,	36,	0.3981	,15:10:59	,02-Sep-2008
433,	5.0,	27.2,	36,	0.4517	,15:11:59	,02-Sep-2008
434,	4.2,	27.2,	36,	0.3977	,15:12:59	,02-Sep-2008
435,	3.7,	27.2,	36,	0.3973	,15:13:59	,02-Sep-2008
436,	4.1,	27.2,	36,	0.4143	,15:14:59	,02-Sep-2008
437,	4.6,	27.2,	36,	0.4655	,15:15:59	,02-Sep-2008
438,	5.0,	27.2,	36,	0.7809	,15:16:59	,02-Sep-2008
439,	6.1,	27.3,	36,	0.7429	,15:17:59	,02-Sep-2008
440,	5.1,	27.2,	36,	0.8331	,15:18:59	,02-Sep-2008
441,	5.0,	27.3,	36,	0.7801	,15:19:59	,02-Sep-2008
442,	6.2,	27.3,	36,	0.6122	,15:20:59	,02-Sep-2008
443,	4.2,	27.3,	36,	0.7188	,15:21:59	,02-Sep-2008
444,	6.0,	27.3,	36,	0.6842	,15:22:59	,02-Sep-2008
445,	5.7,	27.3,	36,	0.8570	,15:23:59	,02-Sep-2008
446,	9.3,	27.4,	36,	1.5701	,15:24:59	,02-Sep-2008
447,	4.6,	27.4,	36,	0.4241	,15:25:59	,02-Sep-2008
448,	8.5,	27.5,	36,	1.1731	,15:26:59	,02-Sep-2008
449,	10.5,	27.5,	36,	0.8819	,15:27:59	,02-Sep-2008
450,	6.4,	27.6,	36,	1.1455	,15:28:59	,02-Sep-2008
451,	5.6,	27.6,	36,	0.6843	,15:29:59	,02-Sep-2008
452,	5.9,	27.7,	36,	0.6983	,15:30:59	,02-Sep-2008
453,	10.1,	27.7,	35,	0.5901	,15:31:59	,02-Sep-2008
454,	6.3,	27.7,	35,	1.0142	,15:32:59	,02-Sep-2008
455,	6.1,	27.8,	36,	0.5340	,15:33:59	,02-Sep-2008
456,	5.8,	27.8,	35,	0.5992	,15:34:59	,02-Sep-2008
457,	5.3,	27.9,	35,	0.5433	,15:35:59	,02-Sep-2008
458,	6.2,	28.0,	35,	1.1244	,15:36:59	,02-Sep-2008
459,	5.2,	28.0,	35,	0.5782	,15:37:59	,02-Sep-2008
460,	4.8,	28.0,	35,	0.5617	,15:38:59	,02-Sep-2008
461,	6.1,	28.1,	35,	0.5220	,15:39:59	,02-Sep-2008
462,	4.7,	28.1,	35,	0.4910	,15:40:59	,02-Sep-2008
463,	4.3,	28.1,	35,	0.4543	,15:41:59	,02-Sep-2008
464,	5.4,	28.2,	35,	0.6076	,15:42:59	,02-Sep-2008
465,	7.1,	28.2,	35,	1.1987	,15:43:59	,02-Sep-2008
466,	4.7,	28.2,	35,	0.7033	,15:44:59	,02-Sep-2008
467,	3.4,	28.2,	35,	0.3977	,15:45:59	,02-Sep-2008
468,	4.4,	28.2,	35,	0.4767	,15:46:59	,02-Sep-2008
469,	6.4,	28.2,	35,	0.9547	,15:47:59	,02-Sep-2008
470,	5.0,	28.2,	35,	0.6022	,15:48:59	,02-Sep-2008
471,	5.7,	28.2,	34,	0.4674	,15:49:59	,02-Sep-2008
472,	4.9,	28.2,	34,	0.8123	,15:50:59	,02-Sep-2008
473,	3.8,	28.2,	35,	0.4792	,15:51:59	,02-Sep-2008
474,	6.2,	28.2,	35,	2.0809	,15:52:59	,02-Sep-2008
475,	5.6,	28.3,	35,	0.9558	,15:53:59	,02-Sep-2008
476,	3.9,	28.3,	35,	0.4215	,15:54:59	,02-Sep-2008
477,	6.0,	28.3,	35,	0.4555	,15:55:59	,02-Sep-2008
478,	3.3,	28.3,	35,	0.4324	,15:56:59	,02-Sep-2008
479,	2.3,	28.3,	35,	0.3013	,15:57:59	,02-Sep-2008

480,	3.1,	28.3,	35,	0.3203	,15:58:59	,02-Sep-2008
481,	3.8,	28.3,	35,	0.3858	,15:59:59	,02-Sep-2008
482,	6.2,	28.3,	35,	0.5627	,16:00:59	,02-Sep-2008
483,	4.7,	28.3,	35,	1.4793	,16:01:59	,02-Sep-2008
484,	3.1,	28.3,	35,	0.4923	,16:02:59	,02-Sep-2008
485,	39.6,	28.3,	35,	1.7703	,16:03:59	,02-Sep-2008
486,	5.9,	28.3,	34,	1.1179	,16:04:59	,02-Sep-2008
487,	5.3,	28.3,	34,	0.4275	,16:05:59	,02-Sep-2008
488,	7.6,	28.3,	35,	1.7018	,16:06:59	,02-Sep-2008
489,	6.5,	28.3,	35,	1.1552	,16:07:59	,02-Sep-2008
490,	5.0,	28.2,	34,	0.4704	,16:08:59	,02-Sep-2008
491,	3.9,	28.2,	35,	0.3951	,16:09:59	,02-Sep-2008
492,	3.8,	28.3,	35,	0.4532	,16:10:59	,02-Sep-2008
493,	4.1,	28.2,	35,	0.4170	,16:11:59	,02-Sep-2008
494,	5.0,	28.3,	35,	0.7697	,16:12:59	,02-Sep-2008
495,	4.2,	28.2,	35,	0.6738	,16:13:59	,02-Sep-2008
496,	4.1,	28.3,	35,	0.4612	,16:14:59	,02-Sep-2008
497,	5.4,	28.2,	35,	0.4646	,16:15:59	,02-Sep-2008
498,	7.2,	28.2,	35,	0.4848	,16:16:59	,02-Sep-2008
499,	3.5,	28.2,	35,	0.8511	,16:17:59	,02-Sep-2008
500,	3.9,	28.1,	35,	0.5517	,16:18:59	,02-Sep-2008
501,	4.0,	28.1,	35,	0.4548	,16:19:59	,02-Sep-2008
502,	5.0,	28.1,	35,	0.5716	,16:20:59	,02-Sep-2008
503,	5.0,	28.0,	35,	0.6544	,16:21:59	,02-Sep-2008
504,	4.9,	28.0,	35,	0.5734	,16:22:59	,02-Sep-2008
505,	4.9,	28.0,	35,	0.4294	,16:23:59	,02-Sep-2008
506,	4.5,	28.0,	35,	0.5543	,16:24:59	,02-Sep-2008
507,	3.9,	28.0,	35,	0.4570	,16:25:59	,02-Sep-2008
508,	3.7,	28.0,	35,	0.4990	,16:26:59	,02-Sep-2008
509,	4.9,	28.0,	35,	0.6306	,16:27:59	,02-Sep-2008
510,	5.1,	28.0,	35,	0.5875	,16:28:59	,02-Sep-2008
511,	4.5,	28.0,	35,	0.4817	,16:29:59	,02-Sep-2008
512,	3.5,	28.0,	35,	0.4685	,16:30:59	,02-Sep-2008
513,	8.5,	28.1,	35,	1.0104	,16:31:59	,02-Sep-2008
514,	14.4,	28.1,	35,	1.3049	,16:32:59	,02-Sep-2008
515,	16.4,	28.1,	35,	3.3182	,16:33:59	,02-Sep-2008
516,	13.2,	28.1,	35,	2.8157	,16:34:59	,02-Sep-2008
517,	15.4,	28.1,	35,	2.5749	,16:35:59	,02-Sep-2008
518,	5.1,	28.0,	35,	1.4205	,16:36:59	,02-Sep-2008
519,	4.2,	28.1,	35,	0.6416	,16:37:59	,02-Sep-2008
520,	6.0,	28.0,	35,	0.5483	,16:38:59	,02-Sep-2008
521,	7.7,	28.0,	35,	1.0620	,16:39:59	,02-Sep-2008
522,	5.8,	28.0,	35,	0.8028	,16:40:59	,02-Sep-2008
523,	4.0,	28.0,	35,	0.5394	,16:41:59	,02-Sep-2008
524,	5.4,	28.0,	34,	0.5268	,16:42:59	,02-Sep-2008
525,	5.3,	27.9,	34,	0.7096	,16:43:59	,02-Sep-2008
526,	5.6,	27.9,	34,	0.6442	,16:44:59	,02-Sep-2008
527,	5.2,	27.9,	34,	1.3519	,16:45:59	,02-Sep-2008
528,	7.1,	27.9,	35,	2.4755	,16:46:59	,02-Sep-2008
529,	5.0,	27.9,	35,	0.4874	,16:47:59	,02-Sep-2008
530,	4.6,	27.9,	35,	0.4796	,16:48:59	,02-Sep-2008
531,	5.1,	27.9,	35,	0.4622	,16:49:59	,02-Sep-2008
532,	4.1,	27.9,	35,	0.5212	,16:50:59	,02-Sep-2008
533,	4.7,	27.9,	35,	0.5936	,16:51:59	,02-Sep-2008
534,	5.6,	27.9,	34,	0.9358	,16:52:59	,02-Sep-2008
535,	4.1,	27.9,	34,	1.0433	,16:53:59	,02-Sep-2008
536,	3.2,	27.9,	34,	0.6846	,16:54:59	,02-Sep-2008
537,	5.3,	27.9,	34,	1.6498	,16:55:59	,02-Sep-2008
538,	7.8,	28.0,	34,	0.9557	,16:56:59	,02-Sep-2008
539,	11.1,	28.0,	34,	3.4586	,16:57:59	,02-Sep-2008
540,	6.3,	28.0,	34,	2.2864	,16:58:59	,02-Sep-2008
541,	4.9,	28.0,	34,	0.7718	,16:59:59	,02-Sep-2008
542,	5.3,	28.0,	34,	1.4649	,17:00:59	,02-Sep-2008

543,	2.4,	28.1,	34,	0.5466	,17:01:59	,02-Sep-2008
544,	4.0,	28.1,	33,	0.7402	,17:02:59	,02-Sep-2008
545,	9.4,	28.1,	33,	2.4705	,17:03:59	,02-Sep-2008
546,	11.6,	28.1,	33,	1.1453	,17:04:59	,02-Sep-2008
547,	10.7,	28.1,	33,	1.6512	,17:05:59	,02-Sep-2008
548,	25.1,	28.2,	33,	1.7968	,17:06:59	,02-Sep-2008
549,	16.2,	28.2,	33,	1.7684	,17:07:59	,02-Sep-2008
550,	7.7,	28.2,	33,	2.5584	,17:08:59	,02-Sep-2008
551,	9.7,	28.3,	33,	2.3460	,17:09:59	,02-Sep-2008
552,	10.6,	28.4,	32,	2.0751	,17:10:59	,02-Sep-2008
553,	4.5,	28.4,	32,	0.9225	,17:11:59	,02-Sep-2008
554,	5.3,	28.4,	32,	0.9961	,17:12:59	,02-Sep-2008
555,	6.0,	28.4,	32,	1.0128	,17:13:59	,02-Sep-2008
556,	12.4,	28.4,	32,	2.4446	,17:14:59	,02-Sep-2008
557,	9.1,	28.5,	32,	2.0167	,17:15:59	,02-Sep-2008
558,	4.1,	28.5,	32,	1.1018	,17:16:59	,02-Sep-2008
559,	6.9,	28.5,	32,	0.5748	,17:17:59	,02-Sep-2008
560,	9.4,	28.5,	31,	1.7493	,17:18:59	,02-Sep-2008
561,	5.2,	28.5,	31,	0.7639	,17:19:59	,02-Sep-2008
562,	3.9,	28.6,	31,	1.1495	,17:20:59	,02-Sep-2008
563,	53.9,	28.6,	31,	3.1572	,17:21:59	,02-Sep-2008
564,	9.5,	28.6,	31,	0.8597	,17:22:59	,02-Sep-2008
565,	15.7,	28.6,	31,	2.6552	,17:23:59	,02-Sep-2008
566,	18.5,	28.6,	31,	2.7859	,17:24:59	,02-Sep-2008
567,	14.0,	28.6,	31,	1.4023	,17:25:59	,02-Sep-2008
568,	5.0,	28.7,	31,	0.9566	,17:26:59	,02-Sep-2008
569,	2.0,	28.7,	31,	0.5462	,17:27:59	,02-Sep-2008
570,	6.7,	28.7,	31,	0.4618	,17:28:59	,02-Sep-2008
571,	26.2,	28.7,	31,	0.9528	,17:29:59	,02-Sep-2008
572,	3.5,	28.7,	30,	0.6495	,17:30:59	,02-Sep-2008
573,	4.5,	28.7,	30,	0.6603	,17:31:59	,02-Sep-2008
574,	5.2,	28.7,	30,	0.5656	,17:32:59	,02-Sep-2008
575,	7.1,	28.7,	30,	0.9663	,17:33:59	,02-Sep-2008
576,	8.8,	28.7,	30,	1.5338	,17:34:59	,02-Sep-2008
577,	6.7,	28.7,	30,	0.8256	,17:35:59	,02-Sep-2008
578,	30.5,	28.8,	30,	0.5075	,17:36:59	,02-Sep-2008
579,	12.2,	28.8,	30,	2.4421	,17:37:59	,02-Sep-2008
580,	27.4,	28.8,	30,	3.1156	,17:38:59	,02-Sep-2008
581,	3.6,	28.8,	30,	0.8526	,17:39:59	,02-Sep-2008
582,	6.4,	28.8,	30,	0.5851	,17:40:59	,02-Sep-2008
583,	29.8,	28.8,	30,	3.1710	,17:41:59	,02-Sep-2008
584,	16.7,	28.8,	30,	1.8028	,17:42:59	,02-Sep-2008
585,	6.0,	28.8,	30,	0.8972	,17:43:59	,02-Sep-2008
586,	9.5,	28.8,	29,	2.4148	,17:44:59	,02-Sep-2008
587,	9.5,	28.8,	29,	2.6652	,17:45:59	,02-Sep-2008
588,	5.5,	28.8,	29,	1.7546	,17:46:59	,02-Sep-2008
589,	6.5,	28.7,	29,	0.9887	,17:47:59	,02-Sep-2008
590,	8.3,	28.7,	29,	1.8113	,17:48:59	,02-Sep-2008
591,	3.7,	28.7,	29,	1.0456	,17:49:59	,02-Sep-2008
592,	5.5,	28.7,	29,	0.5759	,17:50:59	,02-Sep-2008
593,	204.0,	28.7,	29,	0.9917	,17:51:59	,02-Sep-2008

PORT OF PORTLAND

DAILY DIARY

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 2, 2008 **REPORT NO.** 20

WEATHER Partial clouds **TEMPERATURE** 56L 77H

NUMBER/CLASS OF CONTRACTOR'S PERSONNEL:

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

Subcontractor:
McCoy/Empire Electric: Crew 2
1-Paul Starr (Journeyman)
1-apprentice

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

Kamatsu HM 30 (Off Road Dump Truck-rental)
Kamatsu PC 300 (Trac-hoe with thumb-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)

CHRONOLOGICAL ACCOUNT OF DAY'S WORK:

(07:00-17:30) Contractor's working hours at Wheeler Bay

(07:00) Contractor's safety meeting

Materials continued to be delivered to site today included armor class 100

(08:30 -17:00) PC300, PC200 cutting existing slope from sta 6+50 to 8+00 and loading HM30 with common excavated material and dumping at top of bank at approx. 4+50. PC300 also cutting slope creating 3:1 from approx. sta. 3+50 to 5+50.

(08:00) McCoy on site for a few hours working inside tunnel and also rolling up and removing all demo wires/cables and hauling off site.

(10:30) Port (NL, RA, PGB) with EPA (AS) on site discussing the habitat cover (1-1/2" rock) that has been rejected do to the amount of fractured faces (to angular) and needs to be rounder rock. Therefore, this material cannot be used as habitat cover. Port requesting permission from EPA to remove top 6"-8" the existing habitat cover placed from sta. 0+00 to 1+20, and replace with approved habitat cover, then from sta. 1+20 to 8+30, use full depth of 12" of habitat cover.
Port has also informed EPA that contractor is no longer delivering the rejected habitat cover to project site. The contractor has delivered approx. 450 tons of rejected cover and Port would like to use the remaining stockpiled material to blend with select fill until the cover material is exhausted, then use specified select fill for remainder of the project.

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: _____

PORT OF PORTLAND

DAILY DIARY

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 2, 2008 **REPORT NO.** 20

WEATHER Partial clouds **TEMPERATURE** 56L 77H

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

INSPECTOR Philipp G. Bales HRS DATE 9-2-8
(signature on hardcopy)

Ash Creek Associates, Inc.
Environmental and Geotechnical Consultants
9615 SW Allen Boulevard, Suite 106
Portland, Oregon 97005-4814
wwwashcreekassociates.com
Portland (503) 924-4704
Vancouver (360) 567-3977
Fax (503) 924-4707

PROJECT NUMBER	1066-04		
FIELD REPORT NUMBE	21		
PAGE	1	OF	2
DATE	9/3/2008		

PROJECT	Wheeler Bay Stabilization	ARRIVAL TIME	655
LOCATION	Terminal 4	DEPARTURE TIME	1805
CLIENT	Port of Portland	WEATHER	sunny 78F; Winds: NNW 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			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 from 6+00 to 7+36 with fill at 4+00 to 5+00; Armor rock delivered to site, meets visual inspection although average rock size is larger than 100lb. Prepare toe from 6+00 to 7+36.

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PROJECT NUMBER 1066-04
FIELD REPORT NUMBER 21
PAGE 2 OF 2
DATE 9/3/2008

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 to prepare subgrade (see page I) and import materials (see page 1).

BY

Douglas Urquhart
ASH CREEK ASSOCIATES REPRESENTATIVE

REVIEWED BY

H. Clough
ASH CREEK ASSOCIATES PROJECT MANAGER

DAILY CONSTRUCTION & CQC REPORT

T4 Wheeler Bay Stabilization - PROJECT #1473800

ENVIROCON

Weather:
Max Temp: 74 Site Conditions: dry
56 Winds: light
Precipitation none

Report Information:
Date: 9/3/2008
Week Day: Wednesday
Shift: 7AM-6PM

Report Prepared By:

Personnel	WBS Task	Hours	Start	Finish	Equip	No.	Run	Stdby	WBS Task Code	Comments
WES JENSEN	301	10.5	7AM	6PM	HM300 ARTIC	Modern	3		301,302	Cut/fill, Toe construction
RICK MARTIN	301	10.5	7AM	6PM	JD450 DOZER	United	8		301,302	Cut/fill, Toe construction
MIKE MCCOY	301	10.5	7AM	6PM	PC200 EXC.	3366	8			Cut/fill, Toe construction
MATTHEW PATCHING	301	10.5	7AM	6PM	WATER TRUCK	United	7		301,302	Dust control
SKIP SIMPSON					JD310 BACKHOE	1195			301	Transport materials
SUZANNE STARKEY					JD544J Loader	United	1		302	Manage Stockpile

DESCRIPTION OF WORK (detail below):

Cut/fill slopes from Elevation from STA's 4+50 to 7+36. Begin toe construction at STA 7+46 to~ STA 8+25.

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 (START) OFFSET	STA (STOP) 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.):

72.92 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: [illegible]

"Model Number", "DataRAM 4 ", 106
"Serial no. ", "D630 "
"Device no. ", 1
"Tag Number ", 15
"Start Time ", 07:14:18
"Start Date ", 03-Sep-2008
"Log Period ", 00:01:00
"Number ", 640
"CalFactor ", 1.000000
"Unit ", 0
"Unit Name ", "(MASS)ug/m3"
"SIZE_CORRECT", "DISABLED"
"TEMPUNITS ", C
"Max MASS ", 59.442340
"Max MASS @ ", 586 ,17:00:18 ,03-Sep-2008
"Avg MASS ", 11.823200
"Max Diam ", 4.127007
"Max Diam @ ", 619 ,17:33:18 ,03-Sep-2008
"Avg Diam ", 1.106237
"ALARM ", "DISABLED"
"ALARM_LEVEL ", 0.0
"AUTO_ZERO ", "DISABLED"
"AZ INTERVAL ", 10
"Errors ", 0000

record,	"(MASS)ug/m3",	Temp,	RHumidity,	Diameter		
1,	30.7,	19.0,	34,	0.4567	,07:15:18	,03-Sep-2008
2,	18.6,	19.0,	36,	0.7475	,07:16:18	,03-Sep-2008
3,	19.2,	18.9,	38,	1.3165	,07:17:18	,03-Sep-2008
4,	17.2,	18.8,	39,	0.9452	,07:18:18	,03-Sep-2008
5,	17.6,	18.7,	40,	0.5096	,07:19:18	,03-Sep-2008
6,	11.0,	18.6,	41,	0.3998	,07:20:18	,03-Sep-2008
7,	13.1,	18.5,	42,	0.3828	,07:21:18	,03-Sep-2008
8,	15.4,	18.4,	42,	0.3884	,07:22:18	,03-Sep-2008
9,	14.7,	18.3,	43,	0.4597	,07:23:18	,03-Sep-2008
10,	13.1,	18.2,	44,	0.3999	,07:24:18	,03-Sep-2008
11,	12.9,	18.1,	44,	0.3820	,07:25:18	,03-Sep-2008
12,	16.3,	18.0,	45,	0.6364	,07:26:18	,03-Sep-2008
13,	16.2,	17.9,	45,	0.4497	,07:27:18	,03-Sep-2008
14,	16.7,	17.8,	45,	0.4592	,07:28:18	,03-Sep-2008
15,	16.6,	17.7,	46,	0.8177	,07:29:18	,03-Sep-2008
16,	14.0,	17.6,	46,	0.8036	,07:30:18	,03-Sep-2008
17,	16.0,	17.5,	47,	0.9820	,07:31:18	,03-Sep-2008
18,	18.9,	17.4,	47,	1.1618	,07:32:18	,03-Sep-2008
19,	21.4,	17.3,	48,	0.7568	,07:33:18	,03-Sep-2008
20,	17.4,	17.2,	48,	0.5695	,07:34:18	,03-Sep-2008
21,	16.4,	17.1,	48,	0.8061	,07:35:18	,03-Sep-2008
22,	24.8,	17.1,	49,	0.8756	,07:36:18	,03-Sep-2008
23,	29.9,	17.0,	49,	1.0464	,07:37:18	,03-Sep-2008
24,	24.0,	16.9,	49,	1.0295	,07:38:18	,03-Sep-2008
25,	28.0,	16.8,	50,	1.3312	,07:39:18	,03-Sep-2008
26,	30.3,	16.7,	50,	1.2412	,07:40:18	,03-Sep-2008
27,	43.3,	16.6,	50,	1.0068	,07:41:18	,03-Sep-2008
28,	46.5,	16.5,	50,	1.1074	,07:42:18	,03-Sep-2008
29,	39.9,	16.5,	51,	1.0317	,07:43:18	,03-Sep-2008
30,	41.6,	16.4,	51,	1.3216	,07:44:18	,03-Sep-2008
31,	44.5,	16.3,	51,	1.2308	,07:45:18	,03-Sep-2008
32,	43.4,	16.2,	51,	0.8254	,07:46:18	,03-Sep-2008
33,	37.1,	16.1,	52,	0.9747	,07:47:18	,03-Sep-2008
34,	41.4,	16.1,	52,	1.0476	,07:48:18	,03-Sep-2008
35,	50.6,	16.0,	52,	1.1701	,07:49:18	,03-Sep-2008
36,	47.4,	16.0,	53,	0.9346	,07:50:18	,03-Sep-2008
37,	43.9,	15.9,	53,	1.2559	,07:51:18	,03-Sep-2008
38,	35.4,	15.8,	53,	0.9961	,07:52:18	,03-Sep-2008

39,	24.4,	15.7,	54,	1.2731	,07:53:18	,03-Sep-2008
40,	26.3,	15.7,	54,	1.0789	,07:54:18	,03-Sep-2008
41,	30.8,	15.6,	54,	1.8671	,07:55:18	,03-Sep-2008
42,	24.9,	15.5,	54,	1.0928	,07:56:18	,03-Sep-2008
43,	23.6,	15.5,	55,	0.9353	,07:57:18	,03-Sep-2008
44,	20.2,	15.4,	55,	0.8588	,07:58:18	,03-Sep-2008
45,	22.2,	15.4,	55,	0.7937	,07:59:18	,03-Sep-2008
46,	20.1,	15.3,	55,	1.0838	,08:00:18	,03-Sep-2008
47,	17.5,	15.2,	56,	1.9160	,08:01:18	,03-Sep-2008
48,	16.7,	15.2,	56,	1.0737	,08:02:18	,03-Sep-2008
49,	12.3,	15.1,	56,	0.9228	,08:03:18	,03-Sep-2008
50,	18.8,	15.1,	57,	0.6403	,08:04:18	,03-Sep-2008
51,	23.3,	15.0,	57,	0.8594	,08:05:18	,03-Sep-2008
52,	28.2,	15.0,	57,	1.3189	,08:06:18	,03-Sep-2008
53,	22.3,	14.9,	57,	0.9425	,08:07:18	,03-Sep-2008
54,	20.9,	14.9,	58,	0.9585	,08:08:18	,03-Sep-2008
55,	20.6,	14.8,	58,	0.7648	,08:09:18	,03-Sep-2008
56,	24.2,	14.7,	58,	1.0476	,08:10:18	,03-Sep-2008
57,	24.7,	14.7,	59,	1.0832	,08:11:18	,03-Sep-2008
58,	26.5,	14.7,	59,	0.8053	,08:12:18	,03-Sep-2008
59,	16.5,	14.6,	59,	0.7599	,08:13:18	,03-Sep-2008
60,	15.9,	14.6,	60,	0.6097	,08:14:18	,03-Sep-2008
61,	25.3,	14.6,	60,	0.6892	,08:15:18	,03-Sep-2008
62,	29.4,	14.5,	60,	0.8187	,08:16:18	,03-Sep-2008
63,	20.6,	14.5,	60,	0.7445	,08:17:18	,03-Sep-2008
64,	31.4,	14.5,	61,	0.6466	,08:18:18	,03-Sep-2008
65,	25.1,	14.4,	61,	0.6972	,08:19:18	,03-Sep-2008
66,	19.0,	14.4,	61,	0.9957	,08:20:18	,03-Sep-2008
67,	18.6,	14.4,	61,	0.8684	,08:21:18	,03-Sep-2008
68,	14.5,	14.3,	61,	0.8233	,08:22:18	,03-Sep-2008
69,	14.4,	14.3,	62,	0.7859	,08:23:18	,03-Sep-2008
70,	22.6,	14.2,	62,	0.7611	,08:24:18	,03-Sep-2008
71,	16.4,	14.2,	62,	0.8310	,08:25:18	,03-Sep-2008
72,	15.4,	14.2,	62,	0.8404	,08:26:18	,03-Sep-2008
73,	12.8,	14.2,	63,	0.5982	,08:27:18	,03-Sep-2008
74,	14.2,	14.1,	63,	0.8100	,08:28:18	,03-Sep-2008
75,	18.6,	14.1,	63,	0.7319	,08:29:18	,03-Sep-2008
76,	13.5,	14.1,	63,	0.8523	,08:30:18	,03-Sep-2008
77,	14.8,	14.1,	64,	0.8215	,08:31:18	,03-Sep-2008
78,	20.6,	14.0,	64,	0.8549	,08:32:18	,03-Sep-2008
79,	13.3,	14.0,	64,	0.9982	,08:33:18	,03-Sep-2008
80,	15.4,	14.0,	64,	0.8463	,08:34:18	,03-Sep-2008
81,	20.6,	14.0,	65,	0.5445	,08:35:18	,03-Sep-2008
82,	20.4,	14.0,	65,	0.7178	,08:36:18	,03-Sep-2008
83,	16.4,	14.0,	65,	1.0728	,08:37:18	,03-Sep-2008
84,	17.3,	13.9,	65,	0.6633	,08:38:18	,03-Sep-2008
85,	14.1,	13.9,	65,	0.6774	,08:39:18	,03-Sep-2008
86,	18.0,	13.9,	65,	0.9545	,08:40:18	,03-Sep-2008
87,	28.5,	13.9,	66,	0.5376	,08:41:18	,03-Sep-2008
88,	16.1,	13.9,	66,	0.5902	,08:42:18	,03-Sep-2008
89,	17.2,	13.9,	66,	0.6542	,08:43:18	,03-Sep-2008
90,	17.1,	13.8,	66,	0.7974	,08:44:18	,03-Sep-2008
91,	18.5,	13.9,	66,	0.6374	,08:45:18	,03-Sep-2008
92,	33.7,	13.8,	66,	0.6176	,08:46:18	,03-Sep-2008
93,	26.3,	13.8,	67,	0.5922	,08:47:18	,03-Sep-2008
94,	18.3,	13.8,	67,	0.9364	,08:48:18	,03-Sep-2008
95,	19.4,	13.8,	67,	0.7067	,08:49:18	,03-Sep-2008
96,	20.7,	13.8,	67,	0.8418	,08:50:18	,03-Sep-2008
97,	31.5,	13.8,	67,	0.5936	,08:51:18	,03-Sep-2008
98,	21.9,	13.8,	67,	0.6349	,08:52:18	,03-Sep-2008
99,	17.3,	13.8,	67,	0.7276	,08:53:18	,03-Sep-2008
100,	20.5,	13.8,	67,	1.0709	,08:54:18	,03-Sep-2008
101,	16.3,	13.8,	67,	0.8292	,08:55:18	,03-Sep-2008

102,	19.1,	13.8,	68,	0.6784	,08:56:18	,03-Sep-2008
103,	16.8,	13.8,	68,	0.7540	,08:57:18	,03-Sep-2008
104,	22.6,	13.8,	68,	0.8524	,08:58:18	,03-Sep-2008
105,	17.7,	13.8,	68,	0.6976	,08:59:18	,03-Sep-2008
106,	24.0,	13.8,	68,	0.7701	,09:00:18	,03-Sep-2008
107,	23.7,	13.8,	68,	0.4625	,09:01:18	,03-Sep-2008
108,	23.8,	13.8,	68,	0.6935	,09:02:18	,03-Sep-2008
109,	16.6,	13.8,	69,	0.8218	,09:03:18	,03-Sep-2008
110,	21.5,	13.8,	69,	0.8546	,09:04:18	,03-Sep-2008
111,	22.8,	13.9,	69,	0.7344	,09:05:18	,03-Sep-2008
112,	23.7,	13.9,	69,	0.4759	,09:06:18	,03-Sep-2008
113,	22.9,	13.9,	69,	0.6237	,09:07:18	,03-Sep-2008
114,	20.9,	13.9,	69,	0.7816	,09:08:18	,03-Sep-2008
115,	24.6,	13.9,	69,	0.7775	,09:09:18	,03-Sep-2008
116,	17.1,	13.9,	69,	0.8146	,09:10:18	,03-Sep-2008
117,	16.2,	13.9,	69,	0.7421	,09:11:18	,03-Sep-2008
118,	20.3,	13.9,	69,	1.0438	,09:12:18	,03-Sep-2008
119,	20.5,	14.0,	69,	1.1508	,09:13:18	,03-Sep-2008
120,	17.3,	14.0,	69,	0.7792	,09:14:18	,03-Sep-2008
121,	19.5,	14.0,	69,	0.9980	,09:15:18	,03-Sep-2008
122,	18.4,	14.0,	69,	1.0559	,09:16:18	,03-Sep-2008
123,	18.6,	14.0,	69,	1.0562	,09:17:18	,03-Sep-2008
124,	19.3,	14.1,	70,	0.7667	,09:18:18	,03-Sep-2008
125,	28.6,	14.1,	70,	0.7974	,09:19:18	,03-Sep-2008
126,	25.7,	14.1,	70,	0.6919	,09:20:18	,03-Sep-2008
127,	17.9,	14.1,	70,	0.7430	,09:21:18	,03-Sep-2008
128,	19.3,	14.2,	70,	0.6366	,09:22:18	,03-Sep-2008
129,	21.4,	14.2,	70,	0.9483	,09:23:18	,03-Sep-2008
130,	23.1,	14.2,	70,	1.2969	,09:24:18	,03-Sep-2008
131,	26.5,	14.3,	70,	0.9892	,09:25:18	,03-Sep-2008
132,	24.5,	14.3,	70,	1.1664	,09:26:18	,03-Sep-2008
133,	19.8,	14.4,	70,	0.9109	,09:27:18	,03-Sep-2008
134,	20.7,	14.4,	70,	1.0415	,09:28:18	,03-Sep-2008
135,	15.2,	14.5,	70,	1.1270	,09:29:18	,03-Sep-2008
136,	15.6,	14.6,	70,	0.8438	,09:30:18	,03-Sep-2008
137,	17.3,	14.6,	70,	0.8413	,09:31:18	,03-Sep-2008
138,	17.3,	14.6,	70,	0.8773	,09:32:18	,03-Sep-2008
139,	15.2,	14.7,	70,	1.3345	,09:33:18	,03-Sep-2008
140,	14.3,	14.8,	70,	1.1413	,09:34:18	,03-Sep-2008
141,	14.0,	14.9,	70,	1.0106	,09:35:18	,03-Sep-2008
142,	15.5,	14.9,	70,	0.9179	,09:36:18	,03-Sep-2008
143,	16.4,	15.0,	70,	0.7611	,09:37:18	,03-Sep-2008
144,	15.3,	15.0,	70,	1.0289	,09:38:18	,03-Sep-2008
145,	20.9,	15.1,	70,	0.6005	,09:39:18	,03-Sep-2008
146,	11.8,	15.1,	70,	0.8552	,09:40:18	,03-Sep-2008
147,	14.4,	15.1,	69,	0.9127	,09:41:18	,03-Sep-2008
148,	13.0,	15.2,	69,	0.6744	,09:42:18	,03-Sep-2008
149,	12.8,	15.2,	69,	1.0218	,09:43:18	,03-Sep-2008
150,	13.8,	15.3,	69,	1.0221	,09:44:18	,03-Sep-2008
151,	12.2,	15.3,	69,	0.8995	,09:45:18	,03-Sep-2008
152,	11.9,	15.4,	69,	1.0509	,09:46:18	,03-Sep-2008
153,	13.7,	15.4,	69,	1.1357	,09:47:18	,03-Sep-2008
154,	14.4,	15.5,	69,	1.3482	,09:48:18	,03-Sep-2008
155,	12.3,	15.5,	69,	0.8201	,09:49:18	,03-Sep-2008
156,	14.2,	15.5,	69,	1.5020	,09:50:18	,03-Sep-2008
157,	17.9,	15.6,	69,	0.9264	,09:51:18	,03-Sep-2008
158,	13.2,	15.6,	69,	1.1766	,09:52:18	,03-Sep-2008
159,	10.8,	15.6,	69,	0.8719	,09:53:18	,03-Sep-2008
160,	10.9,	15.7,	69,	0.7888	,09:54:18	,03-Sep-2008
161,	11.6,	15.7,	68,	0.7746	,09:55:18	,03-Sep-2008
162,	9.9,	15.7,	69,	0.8746	,09:56:18	,03-Sep-2008
163,	10.4,	15.8,	68,	0.9813	,09:57:18	,03-Sep-2008
164,	11.0,	15.8,	68,	1.0894	,09:58:18	,03-Sep-2008

165,	10.2,	15.8,	68,	0.6759	,09:59:18	,03-Sep-2008
166,	10.7,	15.9,	68,	0.7784	,10:00:18	,03-Sep-2008
167,	11.3,	15.9,	68,	0.9502	,10:01:18	,03-Sep-2008
168,	11.4,	15.9,	68,	0.6543	,10:02:18	,03-Sep-2008
169,	12.5,	15.9,	68,	0.9459	,10:03:18	,03-Sep-2008
170,	15.0,	16.0,	68,	1.2984	,10:04:18	,03-Sep-2008
171,	27.4,	16.0,	68,	1.8100	,10:05:18	,03-Sep-2008
172,	12.6,	16.0,	68,	1.1810	,10:06:18	,03-Sep-2008
173,	12.8,	16.1,	68,	1.5106	,10:07:18	,03-Sep-2008
174,	11.9,	16.2,	68,	0.8066	,10:08:18	,03-Sep-2008
175,	12.2,	16.2,	68,	0.8257	,10:09:18	,03-Sep-2008
176,	11.8,	16.2,	67,	1.0164	,10:10:18	,03-Sep-2008
177,	11.0,	16.3,	67,	2.0831	,10:11:18	,03-Sep-2008
178,	9.8,	16.3,	67,	0.7560	,10:12:18	,03-Sep-2008
179,	11.8,	16.4,	67,	1.7499	,10:13:18	,03-Sep-2008
180,	9.5,	16.5,	67,	0.7633	,10:14:18	,03-Sep-2008
181,	9.6,	16.6,	67,	1.2454	,10:15:18	,03-Sep-2008
182,	10.1,	16.7,	67,	1.7466	,10:16:18	,03-Sep-2008
183,	10.4,	16.8,	67,	1.2179	,10:17:18	,03-Sep-2008
184,	8.4,	16.9,	67,	0.8033	,10:18:18	,03-Sep-2008
185,	8.6,	17.0,	66,	0.8446	,10:19:18	,03-Sep-2008
186,	8.5,	17.1,	66,	0.6653	,10:20:18	,03-Sep-2008
187,	9.8,	17.2,	66,	0.7773	,10:21:18	,03-Sep-2008
188,	14.8,	17.3,	66,	0.6605	,10:22:18	,03-Sep-2008
189,	9.6,	17.5,	66,	0.7335	,10:23:18	,03-Sep-2008
190,	15.1,	17.5,	65,	1.3527	,10:24:18	,03-Sep-2008
191,	30.3,	17.6,	65,	0.8666	,10:25:18	,03-Sep-2008
192,	26.8,	17.7,	65,	0.5953	,10:26:18	,03-Sep-2008
193,	16.0,	17.7,	64,	0.6287	,10:27:18	,03-Sep-2008
194,	17.6,	17.8,	64,	0.9459	,10:28:18	,03-Sep-2008
195,	11.6,	17.9,	64,	1.0298	,10:29:18	,03-Sep-2008
196,	9.5,	18.0,	64,	0.7114	,10:30:18	,03-Sep-2008
197,	7.9,	18.0,	63,	0.6567	,10:31:18	,03-Sep-2008
198,	10.5,	18.1,	63,	0.5910	,10:32:18	,03-Sep-2008
199,	7.4,	18.1,	63,	0.5416	,10:33:18	,03-Sep-2008
200,	6.3,	18.2,	63,	0.6436	,10:34:18	,03-Sep-2008
201,	6.4,	18.2,	63,	0.6086	,10:35:18	,03-Sep-2008
202,	6.4,	18.3,	62,	0.5453	,10:36:18	,03-Sep-2008
203,	7.4,	18.3,	62,	0.6347	,10:37:18	,03-Sep-2008
204,	7.3,	18.4,	62,	0.6480	,10:38:18	,03-Sep-2008
205,	5.6,	18.4,	62,	0.5185	,10:39:18	,03-Sep-2008
206,	6.9,	18.4,	62,	0.5795	,10:40:18	,03-Sep-2008
207,	6.8,	18.4,	61,	0.5869	,10:41:18	,03-Sep-2008
208,	6.0,	18.4,	61,	0.4373	,10:42:18	,03-Sep-2008
209,	5.8,	18.4,	61,	0.7885	,10:43:18	,03-Sep-2008
210,	6.5,	18.5,	61,	0.7486	,10:44:18	,03-Sep-2008
211,	6.5,	18.5,	61,	0.7280	,10:45:18	,03-Sep-2008
212,	5.6,	18.5,	61,	0.6993	,10:46:18	,03-Sep-2008
213,	9.1,	18.6,	61,	0.8101	,10:47:18	,03-Sep-2008
214,	7.8,	18.6,	60,	0.6881	,10:48:18	,03-Sep-2008
215,	8.8,	18.6,	60,	0.8861	,10:49:18	,03-Sep-2008
216,	7.5,	18.7,	60,	0.6519	,10:50:18	,03-Sep-2008
217,	8.5,	18.7,	60,	2.3028	,10:51:18	,03-Sep-2008
218,	9.4,	18.7,	60,	2.9310	,10:52:18	,03-Sep-2008
219,	5.7,	18.8,	60,	1.0867	,10:53:18	,03-Sep-2008
220,	6.7,	18.9,	59,	0.4652	,10:54:18	,03-Sep-2008
221,	6.8,	18.9,	59,	0.5582	,10:55:18	,03-Sep-2008
222,	19.0,	18.9,	59,	0.9502	,10:56:18	,03-Sep-2008
223,	15.1,	19.0,	59,	0.7188	,10:57:18	,03-Sep-2008
224,	5.4,	19.0,	59,	0.4188	,10:58:18	,03-Sep-2008
225,	6.8,	19.1,	59,	0.4620	,10:59:18	,03-Sep-2008
226,	10.0,	19.1,	59,	0.8168	,11:00:18	,03-Sep-2008
227,	6.3,	19.1,	59,	0.4820	,11:01:18	,03-Sep-2008

228,	7.4,	19.2,	59,	0.5745	,11:02:18	,03-Sep-2008
229,	9.6,	19.3,	58,	1.1774	,11:03:18	,03-Sep-2008
230,	9.5,	19.3,	58,	1.0355	,11:04:18	,03-Sep-2008
231,	4.9,	19.4,	58,	0.4497	,11:05:18	,03-Sep-2008
232,	6.2,	19.4,	58,	0.4477	,11:06:18	,03-Sep-2008
233,	5.9,	19.4,	58,	0.6460	,11:07:18	,03-Sep-2008
234,	5.9,	19.5,	58,	0.5452	,11:08:18	,03-Sep-2008
235,	6.8,	19.5,	57,	1.2149	,11:09:18	,03-Sep-2008
236,	6.6,	19.5,	57,	0.7024	,11:10:18	,03-Sep-2008
237,	7.0,	19.6,	57,	0.6153	,11:11:18	,03-Sep-2008
238,	6.7,	19.6,	57,	0.8529	,11:12:18	,03-Sep-2008
239,	7.7,	19.6,	57,	0.8312	,11:13:18	,03-Sep-2008
240,	8.0,	19.7,	57,	0.8542	,11:14:18	,03-Sep-2008
241,	7.5,	19.7,	57,	0.6302	,11:15:18	,03-Sep-2008
242,	7.7,	19.8,	57,	0.5648	,11:16:18	,03-Sep-2008
243,	10.3,	19.8,	57,	0.9432	,11:17:18	,03-Sep-2008
244,	7.1,	19.8,	57,	0.7950	,11:18:18	,03-Sep-2008
245,	10.1,	19.9,	57,	1.3240	,11:19:18	,03-Sep-2008
246,	8.6,	20.0,	56,	2.2869	,11:20:18	,03-Sep-2008
247,	8.7,	20.0,	56,	2.1072	,11:21:18	,03-Sep-2008
248,	10.5,	20.1,	56,	2.1774	,11:22:18	,03-Sep-2008
249,	7.2,	20.2,	56,	0.7884	,11:23:18	,03-Sep-2008
250,	7.1,	20.2,	56,	1.0533	,11:24:18	,03-Sep-2008
251,	11.6,	20.3,	56,	1.2632	,11:25:18	,03-Sep-2008
252,	6.2,	20.5,	56,	0.7689	,11:26:18	,03-Sep-2008
253,	4.9,	20.5,	55,	0.6055	,11:27:18	,03-Sep-2008
254,	4.8,	20.6,	55,	0.6213	,11:28:18	,03-Sep-2008
255,	4.0,	20.6,	55,	0.4570	,11:29:18	,03-Sep-2008
256,	5.1,	20.7,	55,	0.3927	,11:30:18	,03-Sep-2008
257,	5.2,	20.7,	55,	0.5291	,11:31:18	,03-Sep-2008
258,	7.5,	20.8,	54,	0.7114	,11:32:18	,03-Sep-2008
259,	7.0,	20.8,	54,	0.5961	,11:33:18	,03-Sep-2008
260,	6.7,	20.9,	54,	0.5349	,11:34:18	,03-Sep-2008
261,	7.4,	20.9,	54,	1.0558	,11:35:18	,03-Sep-2008
262,	6.2,	21.0,	54,	0.7597	,11:36:18	,03-Sep-2008
263,	6.8,	21.0,	54,	0.5461	,11:37:18	,03-Sep-2008
264,	6.9,	21.1,	54,	0.8233	,11:38:18	,03-Sep-2008
265,	8.7,	21.1,	54,	0.6582	,11:39:18	,03-Sep-2008
266,	7.3,	21.2,	53,	0.6035	,11:40:18	,03-Sep-2008
267,	10.5,	21.3,	53,	0.7729	,11:41:18	,03-Sep-2008
268,	8.5,	21.4,	53,	1.3902	,11:42:18	,03-Sep-2008
269,	10.4,	21.5,	53,	1.2228	,11:43:18	,03-Sep-2008
270,	10.0,	21.5,	53,	1.3062	,11:44:18	,03-Sep-2008
271,	11.9,	21.6,	52,	0.9215	,11:45:18	,03-Sep-2008
272,	10.7,	21.7,	52,	0.6114	,11:46:18	,03-Sep-2008
273,	13.2,	21.7,	52,	1.4585	,11:47:18	,03-Sep-2008
274,	11.8,	21.8,	52,	0.9343	,11:48:18	,03-Sep-2008
275,	14.3,	21.9,	52,	1.6110	,11:49:18	,03-Sep-2008
276,	7.9,	21.9,	51,	1.2177	,11:50:18	,03-Sep-2008
277,	12.3,	22.0,	51,	2.5152	,11:51:18	,03-Sep-2008
278,	9.7,	22.1,	51,	0.7487	,11:52:18	,03-Sep-2008
279,	8.1,	22.1,	51,	1.0710	,11:53:18	,03-Sep-2008
280,	9.0,	22.2,	50,	0.7095	,11:54:18	,03-Sep-2008
281,	10.7,	22.3,	50,	2.0910	,11:55:18	,03-Sep-2008
282,	8.2,	22.3,	50,	0.6015	,11:56:18	,03-Sep-2008
283,	9.7,	22.4,	50,	0.9417	,11:57:18	,03-Sep-2008
284,	6.6,	22.5,	50,	0.9172	,11:58:18	,03-Sep-2008
285,	5.8,	22.6,	50,	0.7721	,11:59:18	,03-Sep-2008
286,	7.3,	22.7,	50,	0.9118	,12:00:18	,03-Sep-2008
287,	7.8,	22.8,	50,	0.9439	,12:01:18	,03-Sep-2008
288,	6.1,	22.9,	50,	0.7329	,12:02:18	,03-Sep-2008
289,	5.4,	23.0,	49,	0.6436	,12:03:18	,03-Sep-2008
290,	8.7,	23.1,	49,	1.7990	,12:04:18	,03-Sep-2008

291,	5.5,	23.2,	49,	0.5717	,12:05:18	,03-Sep-2008
292,	5.7,	23.3,	49,	0.7603	,12:06:18	,03-Sep-2008
293,	5.6,	23.4,	49,	0.3827	,12:07:18	,03-Sep-2008
294,	5.0,	23.5,	48,	0.5464	,12:08:18	,03-Sep-2008
295,	4.2,	23.5,	48,	0.3538	,12:09:18	,03-Sep-2008
296,	4.8,	23.6,	48,	0.3488	,12:10:18	,03-Sep-2008
297,	7.5,	23.6,	48,	0.6221	,12:11:18	,03-Sep-2008
298,	5.7,	23.7,	48,	0.5306	,12:12:18	,03-Sep-2008
299,	4.7,	23.8,	48,	0.3106	,12:13:18	,03-Sep-2008
300,	5.7,	23.8,	48,	0.7442	,12:14:18	,03-Sep-2008
301,	6.4,	23.9,	47,	1.3627	,12:15:18	,03-Sep-2008
302,	8.0,	23.9,	47,	1.8537	,12:16:18	,03-Sep-2008
303,	6.2,	24.0,	47,	0.6100	,12:17:18	,03-Sep-2008
304,	7.2,	24.0,	47,	1.6809	,12:18:18	,03-Sep-2008
305,	4.6,	24.0,	46,	0.6016	,12:19:18	,03-Sep-2008
306,	3.5,	24.0,	46,	0.4013	,12:20:18	,03-Sep-2008
307,	5.2,	24.0,	46,	0.4309	,12:21:18	,03-Sep-2008
308,	4.4,	24.0,	46,	0.3530	,12:22:18	,03-Sep-2008
309,	3.3,	24.0,	46,	0.3574	,12:23:18	,03-Sep-2008
310,	4.7,	24.0,	46,	0.4873	,12:24:18	,03-Sep-2008
311,	4.5,	24.0,	46,	0.4290	,12:25:18	,03-Sep-2008
312,	5.1,	24.1,	46,	0.4265	,12:26:18	,03-Sep-2008
313,	4.5,	24.0,	46,	0.5084	,12:27:18	,03-Sep-2008
314,	5.1,	24.1,	46,	0.4301	,12:28:18	,03-Sep-2008
315,	4.5,	24.0,	45,	0.4156	,12:29:18	,03-Sep-2008
316,	5.5,	24.1,	45,	1.2071	,12:30:18	,03-Sep-2008
317,	6.7,	24.1,	45,	1.2475	,12:31:18	,03-Sep-2008
318,	5.9,	24.1,	45,	0.7348	,12:32:18	,03-Sep-2008
319,	4.7,	24.1,	45,	0.6189	,12:33:18	,03-Sep-2008
320,	4.1,	24.1,	45,	0.4351	,12:34:18	,03-Sep-2008
321,	5.5,	24.2,	45,	0.4640	,12:35:18	,03-Sep-2008
322,	4.5,	24.2,	45,	0.3712	,12:36:18	,03-Sep-2008
323,	5.7,	24.2,	45,	0.4380	,12:37:18	,03-Sep-2008
324,	7.2,	24.2,	45,	0.7081	,12:38:18	,03-Sep-2008
325,	6.8,	24.2,	45,	0.7290	,12:39:18	,03-Sep-2008
326,	6.8,	24.2,	45,	0.8146	,12:40:18	,03-Sep-2008
327,	6.3,	24.2,	44,	0.4840	,12:41:18	,03-Sep-2008
328,	6.5,	24.3,	44,	0.7721	,12:42:18	,03-Sep-2008
329,	4.9,	24.3,	45,	0.4820	,12:43:18	,03-Sep-2008
330,	6.4,	24.3,	44,	0.6055	,12:44:18	,03-Sep-2008
331,	5.4,	24.3,	44,	0.7910	,12:45:18	,03-Sep-2008
332,	4.5,	24.4,	44,	0.4026	,12:46:18	,03-Sep-2008
333,	4.2,	24.4,	44,	0.4183	,12:47:18	,03-Sep-2008
334,	4.4,	24.4,	44,	0.4049	,12:48:18	,03-Sep-2008
335,	5.5,	24.4,	44,	0.4629	,12:49:18	,03-Sep-2008
336,	6.4,	24.5,	44,	0.6907	,12:50:18	,03-Sep-2008
337,	6.5,	24.5,	45,	1.2142	,12:51:18	,03-Sep-2008
338,	18.7,	24.5,	44,	0.7642	,12:52:18	,03-Sep-2008
339,	5.6,	24.6,	44,	0.6152	,12:53:18	,03-Sep-2008
340,	7.4,	24.6,	44,	1.2812	,12:54:18	,03-Sep-2008
341,	8.7,	24.7,	44,	0.6540	,12:55:18	,03-Sep-2008
342,	6.5,	24.8,	43,	0.4419	,12:56:18	,03-Sep-2008
343,	10.8,	24.8,	43,	2.3585	,12:57:18	,03-Sep-2008
344,	13.4,	25.0,	43,	0.9868	,12:58:18	,03-Sep-2008
345,	20.6,	25.0,	43,	1.6760	,12:59:18	,03-Sep-2008
346,	24.6,	25.1,	43,	2.6183	,13:00:18	,03-Sep-2008
347,	25.5,	25.2,	43,	2.6236	,13:01:18	,03-Sep-2008
348,	19.5,	25.3,	43,	2.5083	,13:02:18	,03-Sep-2008
349,	11.1,	25.3,	43,	0.7308	,13:03:18	,03-Sep-2008
350,	17.6,	25.4,	43,	0.7661	,13:04:18	,03-Sep-2008
351,	20.3,	25.5,	43,	0.8768	,13:05:18	,03-Sep-2008
352,	7.3,	25.5,	42,	0.5917	,13:06:18	,03-Sep-2008
353,	9.4,	25.6,	42,	0.6194	,13:07:18	,03-Sep-2008

354,	8.5,	25.6,	42,	0.5892	,13:08:18	,03-Sep-2008
355,	9.7,	25.7,	42,	0.9700	,13:09:18	,03-Sep-2008
356,	12.1,	25.7,	42,	1.7724	,13:10:18	,03-Sep-2008
357,	10.1,	25.7,	41,	2.7126	,13:11:18	,03-Sep-2008
358,	10.3,	25.8,	41,	1.7166	,13:12:18	,03-Sep-2008
359,	8.3,	25.9,	41,	0.8961	,13:13:18	,03-Sep-2008
360,	10.7,	26.0,	41,	0.8301	,13:14:18	,03-Sep-2008
361,	10.3,	26.0,	41,	0.9669	,13:15:18	,03-Sep-2008
362,	9.4,	26.1,	41,	0.7431	,13:16:18	,03-Sep-2008
363,	7.1,	26.2,	41,	0.7499	,13:17:18	,03-Sep-2008
364,	8.1,	26.3,	40,	0.7876	,13:18:18	,03-Sep-2008
365,	10.2,	26.4,	40,	0.9784	,13:19:18	,03-Sep-2008
366,	12.1,	26.5,	40,	0.9485	,13:20:18	,03-Sep-2008
367,	6.8,	26.5,	40,	1.5826	,13:21:18	,03-Sep-2008
368,	8.1,	26.6,	40,	1.1078	,13:22:18	,03-Sep-2008
369,	10.0,	26.6,	40,	1.0808	,13:23:18	,03-Sep-2008
370,	10.5,	26.7,	40,	0.5293	,13:24:18	,03-Sep-2008
371,	9.0,	26.7,	39,	0.9175	,13:25:18	,03-Sep-2008
372,	6.4,	26.8,	39,	0.5245	,13:26:18	,03-Sep-2008
373,	6.5,	26.8,	39,	0.5161	,13:27:18	,03-Sep-2008
374,	6.9,	26.9,	39,	0.6970	,13:28:18	,03-Sep-2008
375,	5.2,	26.9,	39,	0.4270	,13:29:18	,03-Sep-2008
376,	6.6,	26.9,	39,	0.6974	,13:30:18	,03-Sep-2008
377,	4.7,	26.9,	39,	0.5363	,13:31:18	,03-Sep-2008
378,	6.9,	26.9,	39,	0.9914	,13:32:18	,03-Sep-2008
379,	9.4,	26.9,	38,	1.2894	,13:33:18	,03-Sep-2008
380,	8.3,	26.9,	38,	0.5716	,13:34:18	,03-Sep-2008
381,	6.0,	26.9,	38,	0.4338	,13:35:18	,03-Sep-2008
382,	6.4,	26.9,	38,	0.4618	,13:36:18	,03-Sep-2008
383,	6.7,	26.9,	38,	0.6047	,13:37:18	,03-Sep-2008
384,	8.4,	26.9,	38,	1.5081	,13:38:18	,03-Sep-2008
385,	7.5,	26.9,	38,	2.2884	,13:39:18	,03-Sep-2008
386,	6.4,	26.9,	38,	0.5907	,13:40:18	,03-Sep-2008
387,	7.0,	26.9,	38,	0.8576	,13:41:18	,03-Sep-2008
388,	6.1,	26.9,	38,	0.6067	,13:42:18	,03-Sep-2008
389,	6.6,	26.9,	38,	0.5948	,13:43:18	,03-Sep-2008
390,	5.8,	27.0,	38,	0.7152	,13:44:18	,03-Sep-2008
391,	4.8,	27.0,	38,	0.5352	,13:45:18	,03-Sep-2008
392,	6.7,	27.0,	38,	0.6104	,13:46:18	,03-Sep-2008
393,	3.7,	27.0,	38,	0.3918	,13:47:18	,03-Sep-2008
394,	4.6,	27.0,	38,	0.4222	,13:48:18	,03-Sep-2008
395,	6.6,	27.0,	38,	0.4911	,13:49:18	,03-Sep-2008
396,	4.1,	27.0,	38,	0.4180	,13:50:18	,03-Sep-2008
397,	6.1,	27.0,	38,	0.7180	,13:51:18	,03-Sep-2008
398,	4.7,	27.0,	38,	0.5572	,13:52:18	,03-Sep-2008
399,	5.7,	27.0,	38,	0.5568	,13:53:18	,03-Sep-2008
400,	5.2,	27.1,	38,	0.6221	,13:54:18	,03-Sep-2008
401,	5.7,	27.1,	37,	0.5396	,13:55:18	,03-Sep-2008
402,	6.2,	27.1,	37,	1.1816	,13:56:18	,03-Sep-2008
403,	7.0,	27.1,	37,	1.1122	,13:57:18	,03-Sep-2008
404,	7.2,	27.2,	37,	0.7412	,13:58:18	,03-Sep-2008
405,	6.3,	27.2,	37,	0.9448	,13:59:18	,03-Sep-2008
406,	8.2,	27.2,	36,	0.7173	,14:00:18	,03-Sep-2008
407,	6.7,	27.2,	36,	0.7085	,14:01:18	,03-Sep-2008
408,	4.2,	27.3,	36,	0.4747	,14:02:18	,03-Sep-2008
409,	3.9,	27.3,	36,	0.4147	,14:03:18	,03-Sep-2008
410,	4.2,	27.4,	36,	0.3667	,14:04:18	,03-Sep-2008
411,	9.9,	27.4,	36,	0.7269	,14:05:18	,03-Sep-2008
412,	5.2,	27.5,	36,	0.7264	,14:06:18	,03-Sep-2008
413,	5.7,	27.5,	36,	0.6849	,14:07:18	,03-Sep-2008
414,	6.9,	27.5,	36,	0.8370	,14:08:18	,03-Sep-2008
415,	5.6,	27.5,	36,	0.6132	,14:09:18	,03-Sep-2008
416,	5.4,	27.6,	36,	0.5355	,14:10:18	,03-Sep-2008

417,	5.5,	27.6,	36,	0.6747	,14:11:18	,03-Sep-2008
418,	4.9,	27.6,	36,	0.5794	,14:12:18	,03-Sep-2008
419,	4.6,	27.6,	36,	0.5902	,14:13:18	,03-Sep-2008
420,	5.5,	27.7,	36,	0.7334	,14:14:18	,03-Sep-2008
421,	5.8,	27.7,	35,	0.5795	,14:15:18	,03-Sep-2008
422,	2.9,	27.7,	35,	0.3717	,14:16:18	,03-Sep-2008
423,	5.2,	27.7,	35,	0.4629	,14:17:18	,03-Sep-2008
424,	4.5,	27.7,	35,	0.3057	,14:18:18	,03-Sep-2008
425,	4.8,	27.7,	35,	0.3020	,14:19:18	,03-Sep-2008
426,	5.2,	27.7,	35,	0.4338	,14:20:18	,03-Sep-2008
427,	4.7,	27.8,	35,	0.4445	,14:21:18	,03-Sep-2008
428,	4.3,	27.8,	35,	0.4443	,14:22:18	,03-Sep-2008
429,	5.8,	27.8,	35,	0.5700	,14:23:18	,03-Sep-2008
430,	3.2,	27.9,	35,	0.3703	,14:24:18	,03-Sep-2008
431,	3.1,	27.9,	34,	0.3552	,14:25:18	,03-Sep-2008
432,	3.8,	27.9,	34,	0.3241	,14:26:18	,03-Sep-2008
433,	2.3,	27.9,	34,	0.3130	,14:27:18	,03-Sep-2008
434,	2.5,	27.9,	34,	0.3463	,14:28:18	,03-Sep-2008
435,	3.6,	28.0,	34,	0.3204	,14:29:18	,03-Sep-2008
436,	2.5,	28.0,	33,	0.3425	,14:30:18	,03-Sep-2008
437,	3.7,	28.0,	33,	0.4816	,14:31:18	,03-Sep-2008
438,	2.6,	28.0,	33,	0.3327	,14:32:18	,03-Sep-2008
439,	2.8,	28.0,	33,	0.3854	,14:33:18	,03-Sep-2008
440,	36.7,	28.0,	33,	2.4052	,14:34:18	,03-Sep-2008
441,	8.5,	28.1,	33,	2.1422	,14:35:18	,03-Sep-2008
442,	11.1,	28.1,	33,	2.7117	,14:36:18	,03-Sep-2008
443,	4.4,	28.2,	33,	0.9967	,14:37:18	,03-Sep-2008
444,	6.7,	28.2,	33,	1.1642	,14:38:18	,03-Sep-2008
445,	5.6,	28.3,	33,	0.4853	,14:39:18	,03-Sep-2008
446,	6.5,	28.4,	33,	0.8184	,14:40:18	,03-Sep-2008
447,	6.1,	28.5,	33,	0.5934	,14:41:18	,03-Sep-2008
448,	17.4,	28.6,	32,	3.4062	,14:42:18	,03-Sep-2008
449,	7.1,	28.7,	32,	1.3329	,14:43:18	,03-Sep-2008
450,	5.9,	28.8,	32,	1.7506	,14:44:18	,03-Sep-2008
451,	3.6,	29.0,	32,	0.4341	,14:45:18	,03-Sep-2008
452,	3.4,	29.1,	32,	0.4990	,14:46:18	,03-Sep-2008
453,	4.6,	29.2,	32,	1.1652	,14:47:18	,03-Sep-2008
454,	8.2,	29.3,	32,	2.5945	,14:48:18	,03-Sep-2008
455,	37.6,	29.4,	31,	2.4833	,14:49:18	,03-Sep-2008
456,	25.7,	29.4,	31,	3.4359	,14:50:18	,03-Sep-2008
457,	9.3,	29.5,	30,	2.5385	,14:51:18	,03-Sep-2008
458,	7.5,	29.5,	30,	0.7052	,14:52:18	,03-Sep-2008
459,	6.6,	29.5,	30,	0.6534	,14:53:18	,03-Sep-2008
460,	3.3,	29.5,	30,	0.4582	,14:54:18	,03-Sep-2008
461,	5.3,	29.6,	30,	0.9314	,14:55:18	,03-Sep-2008
462,	9.2,	29.6,	30,	1.9185	,14:56:18	,03-Sep-2008
463,	7.3,	29.6,	30,	0.5185	,14:57:18	,03-Sep-2008
464,	9.7,	29.7,	30,	2.1713	,14:58:18	,03-Sep-2008
465,	10.7,	29.7,	30,	3.2408	,14:59:18	,03-Sep-2008
466,	14.8,	29.8,	30,	3.1174	,15:00:18	,03-Sep-2008
467,	8.3,	29.8,	30,	2.1443	,15:01:18	,03-Sep-2008
468,	7.1,	29.9,	30,	1.8639	,15:02:18	,03-Sep-2008
469,	5.1,	29.9,	29,	0.6974	,15:03:18	,03-Sep-2008
470,	4.5,	30.0,	29,	0.5682	,15:04:18	,03-Sep-2008
471,	6.8,	30.0,	29,	1.6080	,15:05:18	,03-Sep-2008
472,	4.7,	30.0,	29,	0.7140	,15:06:18	,03-Sep-2008
473,	11.9,	30.1,	29,	2.9649	,15:07:18	,03-Sep-2008
474,	8.1,	30.1,	29,	2.4549	,15:08:18	,03-Sep-2008
475,	7.7,	30.2,	29,	1.7501	,15:09:18	,03-Sep-2008
476,	9.7,	30.2,	29,	1.7919	,15:10:18	,03-Sep-2008
477,	6.8,	30.3,	29,	0.8173	,15:11:18	,03-Sep-2008
478,	5.7,	30.3,	29,	0.5993	,15:12:18	,03-Sep-2008
479,	9.7,	30.3,	29,	1.6564	,15:13:18	,03-Sep-2008

480,	10.5,	30.3,	29,	1.5949	,15:14:18	,03-Sep-2008
481,	6.6,	30.3,	29,	1.7556	,15:15:18	,03-Sep-2008
482,	5.7,	30.3,	29,	1.9905	,15:16:18	,03-Sep-2008
483,	10.5,	30.4,	28,	3.0984	,15:17:18	,03-Sep-2008
484,	20.4,	30.3,	28,	4.0469	,15:18:18	,03-Sep-2008
485,	11.1,	30.4,	28,	1.8630	,15:19:18	,03-Sep-2008
486,	3.5,	30.3,	28,	0.3560	,15:20:18	,03-Sep-2008
487,	14.4,	30.3,	28,	1.6067	,15:21:18	,03-Sep-2008
488,	6.1,	30.2,	28,	2.2817	,15:22:18	,03-Sep-2008
489,	3.5,	30.2,	28,	0.9048	,15:23:18	,03-Sep-2008
490,	3.3,	30.2,	28,	0.4871	,15:24:18	,03-Sep-2008
491,	2.3,	30.2,	28,	0.4324	,15:25:18	,03-Sep-2008
492,	2.0,	30.2,	28,	0.3605	,15:26:18	,03-Sep-2008
493,	4.3,	30.2,	28,	0.6148	,15:27:18	,03-Sep-2008
494,	7.9,	30.2,	28,	0.9916	,15:28:18	,03-Sep-2008
495,	8.6,	30.2,	28,	1.8122	,15:29:18	,03-Sep-2008
496,	7.9,	30.2,	28,	1.0306	,15:30:18	,03-Sep-2008
497,	5.6,	30.2,	28,	1.9014	,15:31:18	,03-Sep-2008
498,	5.3,	30.2,	28,	1.3643	,15:32:18	,03-Sep-2008
499,	7.3,	30.3,	28,	2.3559	,15:33:18	,03-Sep-2008
500,	1.8,	30.3,	28,	0.8118	,15:34:18	,03-Sep-2008
501,	2.9,	30.4,	28,	0.4357	,15:35:18	,03-Sep-2008
502,	2.9,	30.4,	28,	0.3835	,15:36:18	,03-Sep-2008
503,	4.4,	30.5,	28,	0.7092	,15:37:18	,03-Sep-2008
504,	9.9,	30.4,	27,	1.9430	,15:38:18	,03-Sep-2008
505,	5.2,	30.5,	27,	1.0966	,15:39:18	,03-Sep-2008
506,	5.5,	30.4,	27,	1.2716	,15:40:18	,03-Sep-2008
507,	8.0,	30.4,	27,	1.9331	,15:41:18	,03-Sep-2008
508,	6.8,	30.3,	27,	1.5348	,15:42:18	,03-Sep-2008
509,	6.6,	30.2,	27,	1.7363	,15:43:18	,03-Sep-2008
510,	7.9,	30.2,	27,	2.0668	,15:44:18	,03-Sep-2008
511,	2.4,	30.2,	27,	0.5306	,15:45:18	,03-Sep-2008
512,	6.4,	30.2,	27,	0.7876	,15:46:18	,03-Sep-2008
513,	14.6,	30.1,	27,	2.7584	,15:47:18	,03-Sep-2008
514,	10.4,	30.1,	27,	2.9011	,15:48:18	,03-Sep-2008
515,	4.0,	30.0,	27,	0.8666	,15:49:18	,03-Sep-2008
516,	8.5,	30.0,	27,	1.9067	,15:50:18	,03-Sep-2008
517,	6.8,	30.0,	27,	1.2580	,15:51:18	,03-Sep-2008
518,	7.1,	29.9,	27,	1.9924	,15:52:18	,03-Sep-2008
519,	3.8,	29.9,	27,	0.6349	,15:53:18	,03-Sep-2008
520,	2.2,	29.8,	27,	0.3470	,15:54:18	,03-Sep-2008
521,	2.6,	29.8,	27,	0.4131	,15:55:18	,03-Sep-2008
522,	4.2,	29.7,	27,	0.3479	,15:56:18	,03-Sep-2008
523,	3.2,	29.7,	27,	0.4108	,15:57:18	,03-Sep-2008
524,	9.4,	29.7,	27,	1.6967	,15:58:18	,03-Sep-2008
525,	14.5,	29.7,	27,	2.6715	,15:59:18	,03-Sep-2008
526,	11.0,	29.7,	27,	1.4282	,16:00:18	,03-Sep-2008
527,	7.2,	29.7,	27,	2.0335	,16:01:18	,03-Sep-2008
528,	6.6,	29.7,	27,	1.9497	,16:02:18	,03-Sep-2008
529,	9.2,	29.6,	28,	0.9024	,16:03:18	,03-Sep-2008
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531,	7.6,	29.5,	28,	0.6049	,16:05:18	,03-Sep-2008
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536,	14.6,	29.5,	28,	2.7103	,16:10:18	,03-Sep-2008
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539,	29.3,	29.5,	28,	3.6668	,16:13:18	,03-Sep-2008
540,	10.7,	29.5,	28,	0.8125	,16:14:18	,03-Sep-2008
541,	21.5,	29.5,	28,	3.5980	,16:15:18	,03-Sep-2008
542,	9.2,	29.5,	28,	2.8473	,16:16:18	,03-Sep-2008

543,	23.0,	29.4,	28,	3.7628	,16:17:18	,03-Sep-2008
544,	18.7,	29.4,	28,	2.1549	,16:18:18	,03-Sep-2008
545,	11.0,	29.3,	28,	1.8095	,16:19:18	,03-Sep-2008
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547,	13.5,	29.3,	28,	3.0686	,16:21:18	,03-Sep-2008
548,	6.2,	29.3,	28,	1.7382	,16:22:18	,03-Sep-2008
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550,	12.8,	29.2,	28,	1.2411	,16:24:18	,03-Sep-2008
551,	9.1,	29.2,	28,	1.3611	,16:25:18	,03-Sep-2008
552,	10.7,	29.2,	28,	2.8986	,16:26:18	,03-Sep-2008
553,	22.3,	29.2,	28,	3.2756	,16:27:18	,03-Sep-2008
554,	6.6,	29.2,	28,	1.5919	,16:28:18	,03-Sep-2008
555,	4.1,	29.2,	28,	0.4305	,16:29:18	,03-Sep-2008
556,	6.8,	29.2,	28,	1.7009	,16:30:18	,03-Sep-2008
557,	3.7,	29.2,	28,	0.8364	,16:31:18	,03-Sep-2008
558,	3.4,	29.1,	28,	1.2915	,16:32:18	,03-Sep-2008
559,	6.0,	29.1,	28,	1.4605	,16:33:18	,03-Sep-2008
560,	7.0,	29.1,	28,	1.7302	,16:34:18	,03-Sep-2008
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563,	13.5,	29.0,	29,	3.2014	,16:37:18	,03-Sep-2008
564,	18.1,	29.0,	29,	3.3595	,16:38:18	,03-Sep-2008
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566,	11.8,	29.0,	29,	3.4636	,16:40:18	,03-Sep-2008
567,	12.7,	29.0,	29,	3.1293	,16:41:18	,03-Sep-2008
568,	19.7,	29.0,	29,	2.4386	,16:42:18	,03-Sep-2008
569,	17.2,	28.9,	29,	1.7667	,16:43:18	,03-Sep-2008
570,	13.5,	28.9,	29,	1.5888	,16:44:18	,03-Sep-2008
571,	6.8,	28.9,	30,	1.8628	,16:45:18	,03-Sep-2008
572,	14.5,	28.8,	30,	2.7957	,16:46:18	,03-Sep-2008
573,	10.8,	28.8,	30,	0.8753	,16:47:18	,03-Sep-2008
574,	14.3,	28.8,	30,	1.0817	,16:48:18	,03-Sep-2008
575,	11.6,	28.8,	30,	0.9478	,16:49:18	,03-Sep-2008
576,	5.4,	28.8,	30,	2.1399	,16:50:18	,03-Sep-2008
577,	15.1,	28.8,	30,	2.9797	,16:51:18	,03-Sep-2008
578,	16.4,	28.8,	30,	0.7022	,16:52:18	,03-Sep-2008
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583,	15.1,	28.8,	31,	2.5814	,16:57:18	,03-Sep-2008
584,	6.0,	28.8,	31,	1.7963	,16:58:18	,03-Sep-2008
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586,	59.4,	28.8,	31,	1.0173	,17:00:18	,03-Sep-2008
587,	5.7,	28.7,	31,	2.0909	,17:01:18	,03-Sep-2008
588,	7.8,	28.7,	31,	2.4610	,17:02:18	,03-Sep-2008
589,	10.4,	28.7,	30,	3.0437	,17:03:18	,03-Sep-2008
590,	15.3,	28.6,	31,	1.8451	,17:04:18	,03-Sep-2008
591,	8.8,	28.6,	31,	1.2855	,17:05:18	,03-Sep-2008
592,	3.9,	28.6,	31,	0.6840	,17:06:18	,03-Sep-2008
593,	2.8,	28.6,	31,	0.3772	,17:07:18	,03-Sep-2008
594,	3.8,	28.6,	31,	0.5294	,17:08:18	,03-Sep-2008
595,	4.6,	28.6,	30,	0.5307	,17:09:18	,03-Sep-2008
596,	4.8,	28.6,	30,	0.5906	,17:10:18	,03-Sep-2008
597,	6.5,	28.5,	31,	1.4718	,17:11:18	,03-Sep-2008
598,	3.1,	28.5,	30,	0.6575	,17:12:18	,03-Sep-2008
599,	4.0,	28.5,	30,	0.3462	,17:13:18	,03-Sep-2008
600,	12.0,	28.5,	30,	0.7042	,17:14:18	,03-Sep-2008
601,	10.9,	28.5,	31,	0.5845	,17:15:18	,03-Sep-2008
602,	11.8,	28.4,	31,	2.0259	,17:16:18	,03-Sep-2008
603,	11.6,	28.5,	31,	1.2983	,17:17:18	,03-Sep-2008
604,	12.7,	28.5,	31,	2.1462	,17:18:18	,03-Sep-2008
605,	12.1,	28.5,	31,	1.5708	,17:19:18	,03-Sep-2008

606,	10.2,	28.5,	31,	0.7958	,17:20:18	,03-Sep-2008
607,	7.8,	28.5,	31,	1.1449	,17:21:18	,03-Sep-2008
608,	5.8,	28.5,	31,	0.4419	,17:22:18	,03-Sep-2008
609,	8.9,	28.5,	31,	1.7343	,17:23:18	,03-Sep-2008
610,	11.2,	28.5,	31,	1.7344	,17:24:18	,03-Sep-2008
611,	7.3,	28.5,	31,	1.4270	,17:25:18	,03-Sep-2008
612,	7.3,	28.5,	31,	0.8855	,17:26:18	,03-Sep-2008
613,	3.8,	28.4,	31,	0.4342	,17:27:18	,03-Sep-2008
614,	7.0,	28.4,	31,	0.4580	,17:28:18	,03-Sep-2008
615,	8.3,	28.4,	31,	1.0641	,17:29:18	,03-Sep-2008
616,	10.4,	28.3,	31,	2.4961	,17:30:18	,03-Sep-2008
617,	7.3,	28.3,	31,	1.2658	,17:31:18	,03-Sep-2008
618,	9.4,	28.3,	31,	1.9895	,17:32:18	,03-Sep-2008
619,	27.3,	28.2,	31,	4.1270	,17:33:18	,03-Sep-2008
620,	20.3,	28.2,	31,	3.6119	,17:34:18	,03-Sep-2008
621,	22.3,	28.2,	31,	3.2246	,17:35:18	,03-Sep-2008
622,	13.9,	28.2,	31,	3.5459	,17:36:18	,03-Sep-2008
623,	12.2,	28.2,	31,	2.2344	,17:37:18	,03-Sep-2008
624,	8.1,	28.1,	31,	2.1347	,17:38:18	,03-Sep-2008
625,	9.8,	28.1,	31,	1.8340	,17:39:18	,03-Sep-2008
626,	15.0,	28.1,	31,	1.2514	,17:40:18	,03-Sep-2008
627,	14.9,	28.0,	31,	0.7705	,17:41:18	,03-Sep-2008
628,	12.2,	28.0,	30,	0.9792	,17:42:18	,03-Sep-2008
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630,	5.1,	28.0,	31,	1.1884	,17:44:18	,03-Sep-2008
631,	6.5,	27.9,	31,	1.0261	,17:45:18	,03-Sep-2008
632,	8.8,	27.8,	31,	1.4653	,17:46:18	,03-Sep-2008
633,	7.6,	27.8,	31,	1.5225	,17:47:18	,03-Sep-2008
634,	14.7,	27.7,	31,	2.8327	,17:48:18	,03-Sep-2008
635,	8.2,	27.7,	31,	2.1069	,17:49:18	,03-Sep-2008
636,	6.4,	27.7,	31,	2.1918	,17:50:18	,03-Sep-2008
637,	5.3,	27.6,	31,	0.9632	,17:51:18	,03-Sep-2008
638,	3.8,	27.6,	31,	0.6948	,17:52:18	,03-Sep-2008
639,	4.0,	27.5,	31,	0.5354	,17:53:18	,03-Sep-2008
640,	5.9,	27.5,	31,	1.0990	,17:54:18	,03-Sep-2008

PORT OF PORTLAND

DAILY DIARY

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 3, 2008 **REPORT NO.** 21

WEATHER Partial clouds, no showers **TEMPERATURE** 55L 78H

NUMBER/CLASS OF CONTRACTOR'S PERSONNEL:

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

Subcontractor:
McCoy/Empire Electric: Crew 2
1-Paul Starr (Journeyman)
1-apprentice

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:

(07:00-17:30) Contractor's working hours at Wheeler Bay

(07:00) Contractor's safety meeting

NOTE:
PC 300 was demobilized on Tues., 9-2
JD 544 was mobilized on Wed., 9-3

Environcon has superintendent (GL) and one operator (KG) off site the remainder of the week, and will be returning next Wed., 9-10. Contractor's project mgr (Skip) is on site during superintendent's absence.

(10:00) Project weekly meeting held at T4 admin. Building
1)It was determined on site after the meeting by Port engineer (RA) that the sts manhole is most likely not going to be demolished per CC:1, and the transition slope from 3:1 to 2:1 (approx. sta. 7+36) will be shifted to allow manhole to remain. Contractor is required to perform a hydro-static test inside the manhole to determine if it has been damaged by contractor's equipment walking over the MH lid-cover.

Materials continued to be delivered to site today included armor class 100

(07:30 -13:00) PC200 at toe of slope, reaching up to and excavating existing slope from sta 6+50 to 8+00 and loading HM30 with common excavated material and dumping at top of bank at approx. 4+50. PC300 also cutting bank creating 3:1 slope from approx. sta. 3+50 to 5+50.
JD 450 processing common excavated material creating 3:1 slope from 3+50 to 5+50

(13:00-17:00) PC 200 starting from sta 7+36 excavating toe of slope to sta. 4+40. No additional material was placed to build structural keyed toe at this time.
Contractor's surveyor and grade checker laid out slope stakes from 7+36 to 5+50.

McCoy not on site today.

PORT OF PORTLAND

DAILY DIARY

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 3, 2008 **REPORT NO.** 21

WEATHER Partial clouds, no showers **TEMPERATURE** 55L 78H

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 9-3-8

(signature on hardcopy)

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PROJECT NUMBER	1066-04		
FIELD REPORT NUMBE	22		
PAGE	1	OF	2
DATE	9/4/2008		

PROJECT	Wheeler Bay Stabilization	ARRIVAL TIME	655
LOCATION	Terminal 4	DEPARTURE TIME	1805
CLIENT	Port of Portland	WEATHER	sunny 80F; Winds: NNW 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			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		X	X	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	X

COMMENTS:

Place demarcation layer, filter fabric, and select fill from 6+00 to 7+20 EL 10' to 15'; Install ecology blocks at 6+95; Place armor rock from 7+50 to 8+05 at EL 20' to 25'; Armor rock delivered to site.

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Fax (503) 924-4707

PROJECT NUMBER 1066-04
FIELD REPORT NUMBER 22
PAGE 2 OF 2
DATE 9/4/2008

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:

Construct toe at 6+00 to 7+20 (see page I), install ecology blocks, and import materials (see page 1).

BY

Douglas Urquhart
ASH CREEK ASSOCIATES REPRESENTATIVE

REVIEWED BY

H. Clough
ASH CREEK ASSOCIATES PROJECT MANAGER

DAILY CONSTRUCTION & CQC REPORT

T4 Wheeler Bay Stabilization - PROJECT #1473800

ENVIROCON

Weather:				Report Information.:	
Max Temp:	74	Site Conditions:	dry	Date:	9/4/2008
Min Temp:	55	Winds:	Moderate	Week Day:	Thursday
		Precipitation	none	Shift:	7AM-6PM

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	3		301,302	Cut/fill, Toe construction
RICK MARTIN	301-303	10.5	7AM	6PM	JD450 DOZER	United	8		301,302	Cut/fill, Toe construction
MIKE MCCOY	301-304	10.5	7AM	6PM	PC200 EXC.	3366	8		301,302	Cut/fill, Toe construction
MATTHEW PATCHING	301-305	10.5	7AM	6PM	WATER TRUCK	United	7		301,302	Dust control
SKIP SIMPSON					JD310 BACKHOE	1196			301	Transport materials
SUZANNE STARKEY					JD544J Loader	United	1		302	Manage Stockpile

DESCRIPTION OF WORK (detail below):

Cut/fill toe from STA's 6+70 to 7+36. Begin toe construction at STA 6+70 to 7+36.

Complete Armor Rock STA 7+86 to 8+56 Elev 20-Elev. 25.

Move demo debris from power conduit to stockpile, finish grade around handholes. Set three ecology blocks ~7+30.

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	6+70		7+36		110 SY			Addendum No. 1 312000-4
Select Fill	6+70		7+36		36 CY		X	312000-3 (2.3)
Armor Type 3	7+86		8+56		60 Tons		X	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	6+70		7+36		110 SY			

COMMENTS (Material Delivered-Removed/Qty.):

59.41 tons Armor Type 3.

Waiting for decision on transition area and habitat cover, will have schedule impact tomorrow.

User error DataRam4-captured only AM data.

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:

```
"Model Number", "DataRAM 4 ", 106
"Serial no.  ", "D630      "
"Device no.  ", 1
"Tag Number  ", 16
"Start Time  ", 06:14:40
"Start Date  ", 24-Jan-2000
"Log Period  ", 00:01:00
"Number      ", 311
"CalFactor   ", 1.000000
"Unit        ", 0
"Unit Name   ", "(MASS )ug/m3"
"SIZE_CORRECT", "DISABLED"
"TEMPUNITS   ", C
"Max MASS    ", 125.724600
"Max MASS  @ ", 255  ,10:29:40  ,24-Jan-2000
"Avg MASS    ", 13.575850
"Max Diam    ", 4.127007
"Max Diam @  ", 136  ,08:30:40  ,24-Jan-2000
"Avg Diam    ", 1.861256
"ALARM       ", "DISABLED"
"ALARM_LEVEL ", 0.0
"AUTO_ZERO   ", "DISABLED"
"AZ INTERVAL ", 10
"Errors      ", 0000
record,"(MASS )ug/m3", Temp, RHumidity, Diameter
     1,        8.6,  33.7,   29,   0.3510  ,06:15:40  ,24-Jan-2000
     2,        4.5,  33.6,   28,   0.3969  ,06:16:40  ,24-Jan-2000
     3,        6.7,  33.5,   28,   0.5519  ,06:17:40  ,24-Jan-2000
     4,        5.8,  33.2,   27,   1.2512  ,06:18:40  ,24-Jan-2000
     5,        5.6,  33.0,   27,   0.5648  ,06:19:40  ,24-Jan-2000
     6,        7.2,  32.7,   27,   0.9293  ,06:20:40  ,24-Jan-2000
     7,        6.1,  32.5,   27,   0.8063  ,06:21:40  ,24-Jan-2000
     8,        2.0,  32.2,   27,   0.3470  ,06:22:40  ,24-Jan-2000
     9,        2.7,  32.0,   27,   0.3520  ,06:23:40  ,24-Jan-2000
    10,        2.6,  31.8,   27,   0.2969  ,06:24:40  ,24-Jan-2000
    11,        6.1,  31.5,   27,   0.2988  ,06:25:40  ,24-Jan-2000
    12,        5.3,  31.3,   27,   0.5373  ,06:26:40  ,24-Jan-2000
    13,        2.8,  31.1,   27,   0.3619  ,06:27:40  ,24-Jan-2000
    14,        3.2,  30.8,   27,   0.3662  ,06:28:40  ,24-Jan-2000
    15,        1.9,  30.6,   28,   0.3663  ,06:29:40  ,24-Jan-2000
    16,        2.8,  30.4,   28,   0.3672  ,06:30:40  ,24-Jan-2000
    17,        3.9,  30.2,   28,   0.3603  ,06:31:40  ,24-Jan-2000
    18,        2.4,  30.0,   28,   0.3553  ,06:32:40  ,24-Jan-2000
    19,        3.0,  29.7,   29,   0.3919  ,06:33:40  ,24-Jan-2000
    20,        3.3,  29.5,   29,   0.3197  ,06:34:40  ,24-Jan-2000
    21,        3.4,  29.4,   29,   0.4138  ,06:35:40  ,24-Jan-2000
    22,        3.2,  29.2,   29,   0.3082  ,06:36:40  ,24-Jan-2000
    23,        2.8,  29.1,   30,   0.3265  ,06:37:40  ,24-Jan-2000
    24,        5.3,  28.9,   30,   0.6715  ,06:38:40  ,24-Jan-2000
    25,        5.3,  28.7,   30,   0.4904  ,06:39:40  ,24-Jan-2000
    26,        5.6,  28.6,   30,   0.6255  ,06:40:40  ,24-Jan-2000
    27,        3.2,  28.5,   30,   0.4410  ,06:41:40  ,24-Jan-2000
    28,        3.3,  28.4,   31,   0.3380  ,06:42:40  ,24-Jan-2000
    29,        3.0,  28.3,   31,   0.3385  ,06:43:40  ,24-Jan-2000
    30,        2.2,  28.2,   31,   0.3790  ,06:44:40  ,24-Jan-2000
    31,        2.6,  28.1,   31,   0.3703  ,06:45:40  ,24-Jan-2000
    32,       11.0,  27.9,   32,   0.5118  ,06:46:40  ,24-Jan-2000
    33,        5.7,  27.8,   32,   1.0116  ,06:47:40  ,24-Jan-2000
    34,        2.6,  27.7,   32,   0.5215  ,06:48:40  ,24-Jan-2000
    35,        4.1,  27.7,   32,   0.4869  ,06:49:40  ,24-Jan-2000
    36,        3.2,  27.6,   32,   0.3734  ,06:50:40  ,24-Jan-2000
    37,       10.4,  27.6,   32,   0.6200  ,06:51:40  ,24-Jan-2000
    38,       15.0,  27.5,   32,   2.1979  ,06:52:40  ,24-Jan-2000
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39,	4.4,	27.5,	32,	0.4759	,06:53:40	,24-Jan-2000
40,	2.2,	27.5,	32,	0.3344	,06:54:40	,24-Jan-2000
41,	2.6,	27.4,	32,	0.3016	,06:55:40	,24-Jan-2000
42,	6.0,	27.4,	32,	0.4953	,06:56:40	,24-Jan-2000
43,	3.5,	27.3,	32,	0.5759	,06:57:40	,24-Jan-2000
44,	5.5,	27.3,	32,	0.5331	,06:58:40	,24-Jan-2000
45,	3.1,	27.3,	33,	0.3313	,06:59:40	,24-Jan-2000
46,	4.0,	27.2,	33,	0.4196	,07:00:40	,24-Jan-2000
47,	5.1,	27.2,	33,	0.4115	,07:01:40	,24-Jan-2000
48,	3.4,	27.2,	33,	0.3584	,07:02:40	,24-Jan-2000
49,	13.5,	27.1,	33,	0.4013	,07:03:40	,24-Jan-2000
50,	10.4,	27.1,	33,	1.2537	,07:04:40	,24-Jan-2000
51,	6.4,	27.1,	33,	0.9610	,07:05:40	,24-Jan-2000
52,	4.4,	27.1,	33,	0.5393	,07:06:40	,24-Jan-2000
53,	8.3,	27.1,	33,	0.6171	,07:07:40	,24-Jan-2000
54,	8.4,	27.1,	33,	1.0181	,07:08:40	,24-Jan-2000
55,	19.8,	27.1,	33,	2.4394	,07:09:40	,24-Jan-2000
56,	18.0,	27.1,	33,	1.1337	,07:10:40	,24-Jan-2000
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63,	6.3,	27.2,	33,	0.7919	,07:17:40	,24-Jan-2000
64,	11.0,	27.2,	33,	2.8338	,07:18:40	,24-Jan-2000
65,	14.8,	27.2,	33,	2.6108	,07:19:40	,24-Jan-2000
66,	10.0,	27.3,	33,	1.1281	,07:20:40	,24-Jan-2000
67,	8.6,	27.3,	33,	1.7826	,07:21:40	,24-Jan-2000
68,	12.8,	27.4,	33,	0.9432	,07:22:40	,24-Jan-2000
69,	12.0,	27.4,	33,	2.3074	,07:23:40	,24-Jan-2000
70,	4.3,	27.4,	33,	1.0785	,07:24:40	,24-Jan-2000
71,	4.7,	27.4,	33,	0.5656	,07:25:40	,24-Jan-2000
72,	7.4,	27.4,	33,	1.1447	,07:26:40	,24-Jan-2000
73,	5.7,	27.4,	34,	0.4660	,07:27:40	,24-Jan-2000
74,	6.2,	27.4,	34,	0.6263	,07:28:40	,24-Jan-2000
75,	3.3,	27.5,	33,	0.4799	,07:29:40	,24-Jan-2000
76,	6.7,	27.5,	33,	1.7912	,07:30:40	,24-Jan-2000
77,	6.6,	27.5,	33,	2.0713	,07:31:40	,24-Jan-2000
78,	15.6,	27.5,	33,	0.9968	,07:32:40	,24-Jan-2000
79,	2.6,	27.5,	33,	0.4094	,07:33:40	,24-Jan-2000
80,	5.8,	27.5,	33,	0.4858	,07:34:40	,24-Jan-2000
81,	18.8,	27.6,	33,	2.0453	,07:35:40	,24-Jan-2000
82,	9.6,	27.6,	33,	2.2370	,07:36:40	,24-Jan-2000
83,	9.2,	27.6,	33,	2.3649	,07:37:40	,24-Jan-2000
84,	6.0,	27.7,	32,	1.3897	,07:38:40	,24-Jan-2000
85,	4.7,	27.7,	32,	0.6801	,07:39:40	,24-Jan-2000
86,	10.0,	27.7,	32,	0.4272	,07:40:40	,24-Jan-2000
87,	14.2,	27.8,	32,	3.9989	,07:41:40	,24-Jan-2000
88,	7.2,	27.9,	32,	1.5699	,07:42:40	,24-Jan-2000
89,	8.0,	27.9,	32,	1.1166	,07:43:40	,24-Jan-2000
90,	11.0,	28.0,	32,	2.4476	,07:44:40	,24-Jan-2000
91,	23.2,	28.0,	32,	3.8246	,07:45:40	,24-Jan-2000
92,	8.0,	28.1,	32,	2.7328	,07:46:40	,24-Jan-2000
93,	7.9,	28.1,	32,	1.0463	,07:47:40	,24-Jan-2000
94,	10.5,	28.1,	32,	1.4051	,07:48:40	,24-Jan-2000
95,	8.3,	28.2,	31,	1.9474	,07:49:40	,24-Jan-2000
96,	11.4,	28.2,	31,	1.5569	,07:50:40	,24-Jan-2000
97,	13.3,	28.2,	31,	0.5981	,07:51:40	,24-Jan-2000
98,	12.4,	28.3,	31,	0.6082	,07:52:40	,24-Jan-2000
99,	16.6,	28.3,	31,	0.5136	,07:53:40	,24-Jan-2000
100,	4.8,	28.3,	31,	0.5479	,07:54:40	,24-Jan-2000
101,	5.4,	28.3,	31,	0.7733	,07:55:40	,24-Jan-2000

102,	6.0,	28.4,	31,	1.1218	,07:56:40	,24-Jan-2000
103,	5.3,	28.4,	31,	0.9140	,07:57:40	,24-Jan-2000
104,	11.2,	28.4,	31,	3.5354	,07:58:40	,24-Jan-2000
105,	5.7,	28.4,	31,	1.3156	,07:59:40	,24-Jan-2000
106,	6.0,	28.5,	31,	0.4792	,08:00:40	,24-Jan-2000
107,	32.6,	28.5,	31,	1.7964	,08:01:40	,24-Jan-2000
108,	9.1,	28.5,	31,	3.2227	,08:02:40	,24-Jan-2000
109,	11.6,	28.5,	30,	3.2071	,08:03:40	,24-Jan-2000
110,	10.3,	28.4,	30,	2.9587	,08:04:40	,24-Jan-2000
111,	3.2,	28.4,	30,	0.8742	,08:05:40	,24-Jan-2000
112,	3.8,	28.5,	30,	0.5493	,08:06:40	,24-Jan-2000
113,	3.3,	28.5,	30,	0.5236	,08:07:40	,24-Jan-2000
114,	3.9,	28.5,	30,	0.6074	,08:08:40	,24-Jan-2000
115,	5.8,	28.5,	30,	0.6705	,08:09:40	,24-Jan-2000
116,	6.7,	28.5,	30,	2.0007	,08:10:40	,24-Jan-2000
117,	6.6,	28.5,	30,	1.3652	,08:11:40	,24-Jan-2000
118,	9.0,	28.6,	30,	1.3060	,08:12:40	,24-Jan-2000
119,	21.2,	28.6,	30,	0.5711	,08:13:40	,24-Jan-2000
120,	28.0,	28.6,	30,	2.0718	,08:14:40	,24-Jan-2000
121,	14.6,	28.7,	30,	1.4360	,08:15:40	,24-Jan-2000
122,	11.2,	28.7,	30,	1.2692	,08:16:40	,24-Jan-2000
123,	5.5,	28.8,	30,	0.5248	,08:17:40	,24-Jan-2000
124,	22.6,	28.8,	30,	2.3702	,08:18:40	,24-Jan-2000
125,	6.1,	28.9,	30,	1.6459	,08:19:40	,24-Jan-2000
126,	6.6,	29.0,	30,	1.9995	,08:20:40	,24-Jan-2000
127,	9.7,	29.0,	30,	2.3001	,08:21:40	,24-Jan-2000
128,	10.5,	29.1,	30,	1.8553	,08:22:40	,24-Jan-2000
129,	10.8,	29.1,	30,	0.8209	,08:23:40	,24-Jan-2000
130,	9.1,	29.1,	30,	2.4361	,08:24:40	,24-Jan-2000
131,	11.2,	29.2,	30,	2.9719	,08:25:40	,24-Jan-2000
132,	8.3,	29.2,	30,	2.9881	,08:26:40	,24-Jan-2000
133,	7.9,	29.2,	30,	1.8787	,08:27:40	,24-Jan-2000
134,	7.1,	29.2,	29,	2.0945	,08:28:40	,24-Jan-2000
135,	34.5,	29.2,	29,	3.0864	,08:29:40	,24-Jan-2000
136,	16.6,	29.3,	29,	4.1270	,08:30:40	,24-Jan-2000
137,	38.6,	29.3,	29,	2.0127	,08:31:40	,24-Jan-2000
138,	5.6,	29.4,	29,	0.5678	,08:32:40	,24-Jan-2000
139,	6.0,	29.4,	29,	0.7006	,08:33:40	,24-Jan-2000
140,	19.9,	29.4,	29,	2.9075	,08:34:40	,24-Jan-2000
141,	9.1,	29.5,	29,	1.6982	,08:35:40	,24-Jan-2000
142,	28.4,	29.5,	29,	3.2778	,08:36:40	,24-Jan-2000
143,	7.1,	29.6,	29,	1.0406	,08:37:40	,24-Jan-2000
144,	7.0,	29.6,	29,	1.0954	,08:38:40	,24-Jan-2000
145,	15.0,	29.6,	29,	2.8446	,08:39:40	,24-Jan-2000
146,	41.3,	29.7,	29,	3.1033	,08:40:40	,24-Jan-2000
147,	18.3,	29.7,	29,	1.8688	,08:41:40	,24-Jan-2000
148,	8.2,	29.7,	29,	0.8427	,08:42:40	,24-Jan-2000
149,	15.7,	29.8,	29,	2.9016	,08:43:40	,24-Jan-2000
150,	15.5,	29.9,	29,	0.8366	,08:44:40	,24-Jan-2000
151,	19.1,	30.0,	29,	2.1690	,08:45:40	,24-Jan-2000
152,	22.6,	30.0,	29,	2.7629	,08:46:40	,24-Jan-2000
153,	12.4,	30.0,	29,	3.0206	,08:47:40	,24-Jan-2000
154,	15.1,	30.0,	29,	1.9686	,08:48:40	,24-Jan-2000
155,	28.0,	30.0,	29,	2.8680	,08:49:40	,24-Jan-2000
156,	8.6,	30.0,	28,	2.8572	,08:50:40	,24-Jan-2000
157,	7.1,	30.0,	28,	2.6242	,08:51:40	,24-Jan-2000
158,	21.2,	30.0,	28,	2.7803	,08:52:40	,24-Jan-2000
159,	15.0,	30.0,	28,	1.1461	,08:53:40	,24-Jan-2000
160,	12.7,	29.9,	28,	3.2371	,08:54:40	,24-Jan-2000
161,	16.0,	29.9,	28,	3.6035	,08:55:40	,24-Jan-2000
162,	12.0,	29.9,	28,	3.6163	,08:56:40	,24-Jan-2000
163,	12.2,	29.9,	28,	1.8502	,08:57:40	,24-Jan-2000
164,	13.5,	29.8,	28,	1.6589	,08:58:40	,24-Jan-2000

165,	8.4,	29.8,	28,	1.9722	,08:59:40	,24-Jan-2000
166,	17.8,	29.7,	28,	3.9330	,09:00:40	,24-Jan-2000
167,	22.5,	29.7,	28,	2.0693	,09:01:40	,24-Jan-2000
168,	17.0,	29.7,	28,	3.8794	,09:02:40	,24-Jan-2000
169,	9.3,	29.7,	28,	3.1873	,09:03:40	,24-Jan-2000
170,	18.9,	29.7,	28,	3.2811	,09:04:40	,24-Jan-2000
171,	20.8,	29.7,	28,	2.5331	,09:05:40	,24-Jan-2000
172,	26.4,	29.7,	28,	3.1546	,09:06:40	,24-Jan-2000
173,	46.2,	29.7,	28,	2.8705	,09:07:40	,24-Jan-2000
174,	20.5,	29.8,	28,	2.8250	,09:08:40	,24-Jan-2000
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176,	10.8,	29.8,	28,	1.4168	,09:10:40	,24-Jan-2000
177,	5.2,	29.8,	28,	1.2960	,09:11:40	,24-Jan-2000
178,	6.3,	29.9,	28,	1.0552	,09:12:40	,24-Jan-2000
179,	7.5,	29.9,	28,	1.7897	,09:13:40	,24-Jan-2000
180,	7.9,	29.9,	28,	2.4944	,09:14:40	,24-Jan-2000
181,	12.0,	29.8,	28,	1.7317	,09:15:40	,24-Jan-2000
182,	8.9,	29.8,	28,	2.7202	,09:16:40	,24-Jan-2000
183,	8.5,	29.8,	28,	2.0556	,09:17:40	,24-Jan-2000
184,	7.4,	29.8,	28,	2.0362	,09:18:40	,24-Jan-2000
185,	9.1,	29.8,	28,	1.8341	,09:19:40	,24-Jan-2000
186,	9.2,	29.8,	28,	2.5722	,09:20:40	,24-Jan-2000
187,	9.3,	29.8,	27,	2.2780	,09:21:40	,24-Jan-2000
188,	10.4,	29.7,	27,	1.9647	,09:22:40	,24-Jan-2000
189,	8.8,	29.7,	28,	2.9933	,09:23:40	,24-Jan-2000
190,	5.7,	29.7,	28,	1.1160	,09:24:40	,24-Jan-2000
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194,	12.2,	29.8,	28,	3.4375	,09:28:40	,24-Jan-2000
195,	14.6,	29.8,	28,	3.6611	,09:29:40	,24-Jan-2000
196,	16.7,	29.9,	28,	4.1270	,09:30:40	,24-Jan-2000
197,	21.8,	29.9,	28,	3.8220	,09:31:40	,24-Jan-2000
198,	22.1,	30.0,	28,	4.1270	,09:32:40	,24-Jan-2000
199,	44.3,	30.0,	28,	3.0522	,09:33:40	,24-Jan-2000
200,	23.6,	30.0,	28,	4.1270	,09:34:40	,24-Jan-2000
201,	15.3,	29.9,	27,	4.0865	,09:35:40	,24-Jan-2000
202,	19.1,	29.9,	28,	4.0740	,09:36:40	,24-Jan-2000
203,	14.2,	29.9,	28,	3.9090	,09:37:40	,24-Jan-2000
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205,	12.2,	29.9,	28,	1.6691	,09:39:40	,24-Jan-2000
206,	9.2,	29.9,	28,	3.4152	,09:40:40	,24-Jan-2000
207,	12.2,	30.0,	28,	4.0904	,09:41:40	,24-Jan-2000
208,	12.2,	30.0,	28,	3.9305	,09:42:40	,24-Jan-2000
209,	8.3,	30.0,	28,	2.0103	,09:43:40	,24-Jan-2000
210,	9.6,	30.0,	28,	1.6336	,09:44:40	,24-Jan-2000
211,	5.5,	30.0,	28,	0.5044	,09:45:40	,24-Jan-2000
212,	6.8,	30.0,	28,	0.7543	,09:46:40	,24-Jan-2000
213,	5.6,	30.0,	28,	0.8682	,09:47:40	,24-Jan-2000
214,	11.1,	30.0,	28,	2.5076	,09:48:40	,24-Jan-2000
215,	12.0,	30.0,	28,	2.1573	,09:49:40	,24-Jan-2000
216,	23.4,	30.0,	28,	3.9772	,09:50:40	,24-Jan-2000
217,	14.4,	30.0,	28,	2.9731	,09:51:40	,24-Jan-2000
218,	9.3,	30.0,	28,	2.6388	,09:52:40	,24-Jan-2000
219,	8.3,	30.0,	28,	3.0882	,09:53:40	,24-Jan-2000
220,	6.1,	30.0,	28,	1.4254	,09:54:40	,24-Jan-2000
221,	4.5,	30.0,	28,	1.6263	,09:55:40	,24-Jan-2000
222,	6.8,	30.0,	28,	1.1018	,09:56:40	,24-Jan-2000
223,	7.5,	30.0,	28,	1.4024	,09:57:40	,24-Jan-2000
224,	10.0,	30.0,	28,	3.3274	,09:58:40	,24-Jan-2000
225,	16.9,	30.0,	28,	4.0713	,09:59:40	,24-Jan-2000
226,	18.2,	30.0,	28,	4.1270	,10:00:40	,24-Jan-2000
227,	21.1,	30.0,	28,	3.9330	,10:01:40	,24-Jan-2000

228,	24.0,	30.0,	28,	4.1270	,10:02:40	,24-Jan-2000
229,	14.3,	30.0,	28,	2.8115	,10:03:40	,24-Jan-2000
230,	15.4,	30.0,	28,	3.4892	,10:04:40	,24-Jan-2000
231,	9.1,	29.9,	28,	2.2974	,10:05:40	,24-Jan-2000
232,	18.3,	29.9,	28,	3.5753	,10:06:40	,24-Jan-2000
233,	10.7,	29.9,	28,	3.2696	,10:07:40	,24-Jan-2000
234,	6.8,	29.9,	28,	2.0232	,10:08:40	,24-Jan-2000
235,	7.5,	30.0,	28,	2.1294	,10:09:40	,24-Jan-2000
236,	25.8,	30.0,	28,	3.8400	,10:10:40	,24-Jan-2000
237,	20.6,	30.0,	28,	4.0240	,10:11:40	,24-Jan-2000
238,	53.8,	30.0,	28,	2.1850	,10:12:40	,24-Jan-2000
239,	11.3,	30.0,	28,	2.6828	,10:13:40	,24-Jan-2000
240,	8.6,	30.0,	28,	2.5220	,10:14:40	,24-Jan-2000
241,	7.8,	30.0,	28,	1.0239	,10:15:40	,24-Jan-2000
242,	12.3,	30.0,	28,	2.7871	,10:16:40	,24-Jan-2000
243,	5.2,	30.0,	27,	1.4434	,10:17:40	,24-Jan-2000
244,	7.6,	29.9,	27,	1.0470	,10:18:40	,24-Jan-2000
245,	7.3,	29.9,	27,	0.8919	,10:19:40	,24-Jan-2000
246,	19.6,	29.9,	27,	1.2612	,10:20:40	,24-Jan-2000
247,	13.6,	29.9,	27,	3.1981	,10:21:40	,24-Jan-2000
248,	10.1,	29.9,	28,	1.9149	,10:22:40	,24-Jan-2000
249,	28.0,	29.9,	28,	4.1065	,10:23:40	,24-Jan-2000
250,	13.1,	29.8,	28,	3.4691	,10:24:40	,24-Jan-2000
251,	25.5,	29.8,	27,	3.8588	,10:25:40	,24-Jan-2000
252,	74.1,	29.8,	27,	3.9023	,10:26:40	,24-Jan-2000
253,	78.8,	29.8,	27,	4.0800	,10:27:40	,24-Jan-2000
254,	82.4,	29.8,	27,	3.4704	,10:28:40	,24-Jan-2000
255,	125.7,	29.7,	27,	2.8380	,10:29:40	,24-Jan-2000
256,	72.9,	29.7,	27,	2.5341	,10:30:40	,24-Jan-2000
257,	42.8,	29.7,	28,	2.6897	,10:31:40	,24-Jan-2000
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260,	5.4,	29.8,	28,	1.6489	,10:34:40	,24-Jan-2000
261,	23.5,	29.8,	28,	3.7721	,10:35:40	,24-Jan-2000
262,	6.1,	29.8,	28,	2.0144	,10:36:40	,24-Jan-2000
263,	4.2,	29.8,	28,	0.4937	,10:37:40	,24-Jan-2000
264,	7.0,	29.8,	27,	1.0449	,10:38:40	,24-Jan-2000
265,	5.5,	29.8,	27,	0.5293	,10:39:40	,24-Jan-2000
266,	15.9,	29.8,	27,	1.3771	,10:40:40	,24-Jan-2000
267,	6.3,	29.7,	27,	1.9061	,10:41:40	,24-Jan-2000
268,	6.8,	29.7,	27,	1.4449	,10:42:40	,24-Jan-2000
269,	5.0,	29.7,	27,	0.7935	,10:43:40	,24-Jan-2000
270,	6.8,	29.7,	27,	0.4924	,10:44:40	,24-Jan-2000
271,	12.0,	29.7,	27,	3.0007	,10:45:40	,24-Jan-2000
272,	8.6,	29.7,	27,	2.9430	,10:46:40	,24-Jan-2000
273,	14.5,	29.7,	27,	3.4289	,10:47:40	,24-Jan-2000
274,	6.2,	29.7,	27,	1.3804	,10:48:40	,24-Jan-2000
275,	6.2,	29.6,	27,	2.0869	,10:49:40	,24-Jan-2000
276,	9.4,	29.6,	27,	2.7413	,10:50:40	,24-Jan-2000
277,	7.8,	29.6,	27,	1.5291	,10:51:40	,24-Jan-2000
278,	7.4,	29.6,	27,	0.5305	,10:52:40	,24-Jan-2000
279,	5.3,	29.6,	27,	0.4395	,10:53:40	,24-Jan-2000
280,	37.6,	29.6,	27,	1.2696	,10:54:40	,24-Jan-2000
281,	40.6,	29.6,	27,	1.9698	,10:55:40	,24-Jan-2000
282,	46.9,	29.6,	27,	1.0634	,10:56:40	,24-Jan-2000
283,	71.1,	29.6,	27,	1.9836	,10:57:40	,24-Jan-2000
284,	9.2,	29.6,	27,	3.3664	,10:58:40	,24-Jan-2000
285,	7.3,	29.5,	27,	1.4800	,10:59:40	,24-Jan-2000
286,	28.0,	29.5,	27,	1.6630	,11:00:40	,24-Jan-2000
287,	22.1,	29.5,	27,	2.1649	,11:01:40	,24-Jan-2000
288,	20.9,	29.5,	27,	2.0697	,11:02:40	,24-Jan-2000
289,	31.2,	29.5,	27,	2.5197	,11:03:40	,24-Jan-2000
290,	44.3,	29.5,	27,	2.6730	,11:04:40	,24-Jan-2000

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291,	24.6,	29.4,	27,	1.4553	,11:05:40	,24-Jan-2000
292,	18.4,	29.4,	28,	1.3285	,11:06:40	,24-Jan-2000
293,	4.2,	29.4,	28,	0.3711	,11:07:40	,24-Jan-2000
294,	17.3,	29.3,	28,	1.0452	,11:08:40	,24-Jan-2000
295,	7.7,	29.3,	27,	0.6983	,11:09:40	,24-Jan-2000
296,	6.8,	29.2,	27,	0.6491	,11:10:40	,24-Jan-2000
297,	9.3,	29.2,	27,	0.7126	,11:11:40	,24-Jan-2000
298,	5.3,	29.2,	27,	1.6878	,11:12:40	,24-Jan-2000
299,	7.0,	29.2,	27,	0.7534	,11:13:40	,24-Jan-2000
300,	13.4,	29.1,	27,	0.6174	,11:14:40	,24-Jan-2000
301,	44.6,	29.1,	27,	1.3141	,11:15:40	,24-Jan-2000
302,	8.0,	29.1,	27,	0.5524	,11:16:40	,24-Jan-2000
303,	25.8,	29.0,	27,	0.9313	,11:17:40	,24-Jan-2000
304,	11.0,	29.0,	27,	3.1956	,11:18:40	,24-Jan-2000
305,	18.9,	29.0,	27,	3.3615	,11:19:40	,24-Jan-2000
306,	8.6,	28.9,	28,	2.0946	,11:20:40	,24-Jan-2000
307,	21.4,	28.9,	28,	3.5721	,11:21:40	,24-Jan-2000
308,	13.8,	28.8,	28,	1.1356	,11:22:40	,24-Jan-2000
309,	10.3,	28.8,	28,	2.9324	,11:23:40	,24-Jan-2000
310,	27.2,	28.8,	28,	3.8797	,11:24:40	,24-Jan-2000
311,	17.5,	28.7,	28,	2.9781	,11:25:40	,24-Jan-2000

PORT OF PORTLAND

DAILY DIARY

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 4, 2008 **REPORT NO.** 22

WEATHER Partial clouds, no showers **TEMPERATURE** 53L 76H

NUMBER/CLASS OF CONTRACTOR'S PERSONNEL:

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

Subcontractor:
McCoy/Empire Electric: Crew 2
1-Paul Starr (Journeyman)
1-apprentice

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:

(07:00-17:30) Contractor's working hours at Wheeler Bay

(07:00) Contractor's safety meeting

Materials continued to be delivered to site today included armor class 100

(07:30 -17:30) PC200 at toe of slope, excavated common material at sta 7+30, installing second set of 3 eco-blocks, backfilled with clean material, fastened chains to eco-blocks, placed demarcation fencing, then geo-tech fabric, followed by 18" of armor class 100. JD544 hauling armor to PC200. HM 30 on standby most of the day.
Crew worked on installing structural toe (see detail 3/C-3) all day from sta. 7+30 to sta. 5+75.
Contractor surveyor with grade checker verifying finished elevations for eco-blocks, demarcation fencing and top of armor rock.

McCoy crews not on site today. New electrical vault lid has not yet been delivered and crew has plywood as cover till lid arrives.

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

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 4, 2008 **REPORT NO.** 22

WEATHER Partial clouds, no showers **TEMPERATURE** 53L 76H

INSPECTOR Philipp G. Bales HRS DATE 9-4-8
(signature on hardcopy)

Ash Creek Associates, Inc.
Environmental and Geotechnical Consultants
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	23		
PAGE	1	OF	2
DATE	9/5/2008		

PROJECT	Wheeler Bay Stabilization	ARRIVAL TIME	655
LOCATION	Terminal 4	DEPARTURE TIME	1730
CLIENT	Port of Portland	WEATHER	sunny 84F; Winds: NW 5-7 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	X	X

COMMENTS:

Cut toe EL 10' to 15' from 6+00 to 5+00 with fill and grade from EL 15' to 30' from 5+00 to 3+00. Set slope stakes from 6+00 to 4+50.

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PROJECT NUMBER 1066-04
FIELD REPORT NUMBER 23
PAGE 2 OF 2
DATE 9/5/2008

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 6+00 to 4+50 (see page 1).

BY

Douglas Urquhart
ASH CREEK ASSOCIATES REPRESENTATIVE

REVIEWED BY

H. Clough
ASH CREEK ASSOCIATES PROJECT MANAGER

DAILY CONSTRUCTION & CQC REPORT

T4 Wheeler Bay Stabilization - PROJECT #1473800

ENVIROCON

Weather:

Max Temp: 85 | Site Conditions: dry
Min Temp: 65 | Winds: Moderate
Precipitation: none

Report Information:

Date: 9/5/2008
Week Day: Friday
Shift: 7AM-6PM

Report Prepared By:

Personnel	WBS Task	Hours	Start	Finish	Equip	No.	Run	Stdby	WBS Task Code	Comments
WES JENSEN	302	10.5	7AM	6PM	HM300 ARTIC	Modern	4		302	Cut/fill
RICK MARTIN	302	10.5	7AM	6PM	JD450 DOZER	United	8		302	Cut/fill
MIKE MCCOY	302	10.5	7AM	6PM	PC200 EXC.	3366	9		302	Cut/fill
MATTHEW PATCHING	302	10.5	7AM	6PM	WATER TRUCK	United	7		302	Dust control
SKIP SIMPSON					JD310 BACKHOE	1196	2		301	Toe excavation
SUZANNE STARKEY					JD544J Loader	United	1		302	Manage Stockpile

DESCRIPTION OF WORK (detail below):

Cut/fill toe from STA's 6+70 to 5+00.

Dust control provided by water truck.

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

DOWNTIME OR DELAYS:

MATERIAL PLACED:

MATERIAL	STA (START) STA	STA (START) OFFSET	STA (STOP) 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.):

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:

"Model Number", "DataRAM 4 ", 106
"Serial no. ", "D630   "
"Device no. ", 1
"Tag Number ", 16
"Start Time ", 06:46:26
"Start Date ", 05-Sep-2008
"Log Period ", 00:01:00
"Number   ", 652
"CalFactor   ", 1.000000
"Unit   ", 0
"Unit Name   ", "(MASS)ug/m3"
"SIZE_CORRECT", "DISABLED"
"TEMPUNITS   ", C
"Max MASS   ", 302.519900
"Max MASS @ ", 54 ,07:40:26 ,05-Sep-2008
"Avg MASS   ", 9.207108
"Max Diam   ", 4.084692
"Max Diam @ ", 93 ,08:19:26 ,05-Sep-2008
"Avg Diam   ", 1.334762
"ALARM   ", "DISABLED"
"ALARM_LEVEL ", 0.0
"AUTO_ZERO   ", "DISABLED"
"AZ INTERVAL ", 10
"Errors   ", 0000

record	"(MASS)ug/m3"	Temp	RHumidity	Diameter		
1,	129.6,	20.7,	33,	1.7603	,06:47:26	,05-Sep-2008
2,	21.6,	20.7,	35,	3.7494	,06:48:26	,05-Sep-2008
3,	9.0,	20.7,	37,	0.9119	,06:49:26	,05-Sep-2008
4,	10.8,	20.6,	38,	0.6321	,06:50:26	,05-Sep-2008
5,	12.7,	20.5,	39,	1.1417	,06:51:26	,05-Sep-2008
6,	12.0,	20.4,	40,	2.3170	,06:52:26	,05-Sep-2008
7,	19.2,	20.3,	40,	2.8651	,06:53:26	,05-Sep-2008
8,	20.1,	20.2,	41,	3.1247	,06:54:26	,05-Sep-2008
9,	12.6,	20.1,	41,	3.1635	,06:55:26	,05-Sep-2008
10,	13.7,	20.0,	42,	4.0751	,06:56:26	,05-Sep-2008
11,	10.9,	19.8,	42,	1.7338	,06:57:26	,05-Sep-2008
12,	11.1,	19.7,	42,	0.5966	,06:58:26	,05-Sep-2008
13,	10.8,	19.6,	43,	1.0473	,06:59:26	,05-Sep-2008
14,	17.0,	19.4,	43,	2.0576	,07:00:26	,05-Sep-2008
15,	8.2,	19.3,	43,	1.1952	,07:01:26	,05-Sep-2008
16,	9.2,	19.2,	43,	0.9622	,07:02:26	,05-Sep-2008
17,	9.9,	19.1,	44,	0.8349	,07:03:26	,05-Sep-2008
18,	11.3,	19.0,	44,	2.6713	,07:04:26	,05-Sep-2008
19,	9.4,	18.8,	44,	2.1624	,07:05:26	,05-Sep-2008
20,	7.8,	18.7,	44,	0.5530	,07:06:26	,05-Sep-2008
21,	11.3,	18.6,	45,	0.9578	,07:07:26	,05-Sep-2008
22,	13.9,	18.5,	45,	0.9189	,07:08:26	,05-Sep-2008
23,	11.2,	18.3,	46,	1.9692	,07:09:26	,05-Sep-2008
24,	10.9,	18.2,	46,	1.8449	,07:10:26	,05-Sep-2008
25,	11.9,	18.1,	46,	2.1540	,07:11:26	,05-Sep-2008
26,	15.0,	18.1,	46,	3.1319	,07:12:26	,05-Sep-2008
27,	11.1,	18.0,	47,	1.2771	,07:13:26	,05-Sep-2008
28,	14.9,	17.9,	47,	2.1005	,07:14:26	,05-Sep-2008
29,	13.3,	17.8,	47,	1.0586	,07:15:26	,05-Sep-2008
30,	14.8,	17.7,	47,	2.1750	,07:16:26	,05-Sep-2008
31,	19.7,	17.6,	47,	1.5135	,07:17:26	,05-Sep-2008
32,	29.1,	17.6,	48,	2.5487	,07:18:26	,05-Sep-2008
33,	14.3,	17.5,	48,	2.1364	,07:19:26	,05-Sep-2008
34,	18.2,	17.5,	48,	1.1473	,07:20:26	,05-Sep-2008
35,	13.9,	17.4,	48,	1.6544	,07:21:26	,05-Sep-2008
36,	16.3,	17.3,	48,	2.7439	,07:22:26	,05-Sep-2008
37,	15.5,	17.2,	49,	1.2436	,07:23:26	,05-Sep-2008
38,	16.2,	17.2,	49,	2.5455	,07:24:26	,05-Sep-2008

39,	15.3,	17.1,	49,	2.0152	,07:25:26	,05-Sep-2008
40,	24.2,	17.1,	49,	2.3717	,07:26:26	,05-Sep-2008
41,	20.5,	17.1,	50,	0.9359	,07:27:26	,05-Sep-2008
42,	19.3,	17.1,	50,	0.5472	,07:28:26	,05-Sep-2008
43,	29.5,	17.1,	50,	1.9322	,07:29:26	,05-Sep-2008
44,	26.9,	17.1,	50,	2.5414	,07:30:26	,05-Sep-2008
45,	20.9,	17.0,	50,	3.0249	,07:31:26	,05-Sep-2008
46,	22.6,	17.1,	50,	0.7326	,07:32:26	,05-Sep-2008
47,	24.6,	17.0,	50,	2.3539	,07:33:26	,05-Sep-2008
48,	22.9,	17.1,	50,	2.7847	,07:34:26	,05-Sep-2008
49,	17.6,	17.1,	51,	2.2420	,07:35:26	,05-Sep-2008
50,	27.9,	17.1,	51,	1.4643	,07:36:26	,05-Sep-2008
51,	27.9,	17.1,	51,	1.4438	,07:37:26	,05-Sep-2008
52,	27.3,	17.2,	51,	1.9659	,07:38:26	,05-Sep-2008
53,	39.5,	17.2,	51,	0.9278	,07:39:26	,05-Sep-2008
54,	302.5,	17.2,	51,	1.7335	,07:40:26	,05-Sep-2008
55,	28.2,	17.2,	51,	1.6318	,07:41:26	,05-Sep-2008
56,	27.9,	17.3,	51,	1.6843	,07:42:26	,05-Sep-2008
57,	29.1,	17.4,	51,	1.2728	,07:43:26	,05-Sep-2008
58,	28.4,	17.4,	51,	1.0962	,07:44:26	,05-Sep-2008
59,	23.3,	17.5,	51,	2.6372	,07:45:26	,05-Sep-2008
60,	20.6,	17.5,	51,	1.3023	,07:46:26	,05-Sep-2008
61,	25.8,	17.5,	51,	1.0346	,07:47:26	,05-Sep-2008
62,	30.5,	17.6,	51,	1.2809	,07:48:26	,05-Sep-2008
63,	25.8,	17.6,	51,	1.0896	,07:49:26	,05-Sep-2008
64,	27.6,	17.7,	51,	1.4767	,07:50:26	,05-Sep-2008
65,	69.0,	17.7,	51,	1.0570	,07:51:26	,05-Sep-2008
66,	40.2,	17.7,	51,	0.7898	,07:52:26	,05-Sep-2008
67,	30.5,	17.7,	51,	0.7852	,07:53:26	,05-Sep-2008
68,	31.8,	17.8,	51,	1.4276	,07:54:26	,05-Sep-2008
69,	24.7,	17.8,	51,	1.0772	,07:55:26	,05-Sep-2008
70,	21.4,	17.8,	51,	1.7830	,07:56:26	,05-Sep-2008
71,	22.5,	17.9,	51,	1.2042	,07:57:26	,05-Sep-2008
72,	23.9,	17.9,	51,	2.1900	,07:58:26	,05-Sep-2008
73,	20.3,	18.0,	51,	2.0745	,07:59:26	,05-Sep-2008
74,	28.8,	18.0,	51,	1.3580	,08:00:26	,05-Sep-2008
75,	20.9,	18.1,	51,	1.4141	,08:01:26	,05-Sep-2008
76,	24.8,	18.1,	51,	1.1091	,08:02:26	,05-Sep-2008
77,	15.4,	18.2,	51,	3.0387	,08:03:26	,05-Sep-2008
78,	17.1,	18.3,	50,	1.8548	,08:04:26	,05-Sep-2008
79,	21.2,	18.3,	50,	2.9265	,08:05:26	,05-Sep-2008
80,	16.9,	18.4,	50,	1.3786	,08:06:26	,05-Sep-2008
81,	40.6,	18.5,	50,	0.7165	,08:07:26	,05-Sep-2008
82,	13.5,	18.5,	50,	1.0379	,08:08:26	,05-Sep-2008
83,	10.9,	18.6,	50,	0.8337	,08:09:26	,05-Sep-2008
84,	16.9,	18.6,	50,	1.3537	,08:10:26	,05-Sep-2008
85,	17.2,	18.7,	50,	2.6768	,08:11:26	,05-Sep-2008
86,	19.4,	18.7,	50,	1.9435	,08:12:26	,05-Sep-2008
87,	18.7,	18.8,	50,	2.5413	,08:13:26	,05-Sep-2008
88,	8.5,	18.9,	50,	1.8971	,08:14:26	,05-Sep-2008
89,	6.4,	19.0,	49,	0.6687	,08:15:26	,05-Sep-2008
90,	28.3,	19.0,	49,	2.8348	,08:16:26	,05-Sep-2008
91,	116.2,	19.0,	49,	3.2100	,08:17:26	,05-Sep-2008
92,	219.7,	19.1,	49,	3.5011	,08:18:26	,05-Sep-2008
93,	170.3,	19.1,	49,	4.0847	,08:19:26	,05-Sep-2008
94,	9.1,	19.2,	49,	1.3645	,08:20:26	,05-Sep-2008
95,	7.2,	19.2,	49,	1.1349	,08:21:26	,05-Sep-2008
96,	8.4,	19.3,	49,	1.7545	,08:22:26	,05-Sep-2008
97,	8.9,	19.4,	49,	1.3540	,08:23:26	,05-Sep-2008
98,	9.8,	19.4,	48,	0.6486	,08:24:26	,05-Sep-2008
99,	7.6,	19.5,	48,	0.6105	,08:25:26	,05-Sep-2008
100,	7.4,	19.5,	48,	1.3240	,08:26:26	,05-Sep-2008
101,	8.6,	19.6,	48,	0.8049	,08:27:26	,05-Sep-2008

102,	6.7,	19.6,	48,	0.5778	,08:28:26	,05-Sep-2008
103,	8.9,	19.7,	48,	1.8813	,08:29:26	,05-Sep-2008
104,	8.1,	19.7,	48,	2.2835	,08:30:26	,05-Sep-2008
105,	9.3,	19.7,	48,	0.9921	,08:31:26	,05-Sep-2008
106,	8.6,	19.8,	48,	0.9108	,08:32:26	,05-Sep-2008
107,	7.6,	19.8,	48,	0.7320	,08:33:26	,05-Sep-2008
108,	9.1,	19.9,	48,	1.3833	,08:34:26	,05-Sep-2008
109,	8.5,	19.9,	47,	1.7069	,08:35:26	,05-Sep-2008
110,	7.8,	19.9,	47,	1.7277	,08:36:26	,05-Sep-2008
111,	6.5,	20.0,	47,	0.6509	,08:37:26	,05-Sep-2008
112,	6.3,	20.0,	47,	2.0586	,08:38:26	,05-Sep-2008
113,	8.3,	20.1,	47,	1.9491	,08:39:26	,05-Sep-2008
114,	6.9,	20.1,	47,	0.9555	,08:40:26	,05-Sep-2008
115,	6.3,	20.2,	47,	0.7201	,08:41:26	,05-Sep-2008
116,	5.5,	20.3,	47,	0.5740	,08:42:26	,05-Sep-2008
117,	6.6,	20.4,	47,	0.7284	,08:43:26	,05-Sep-2008
118,	6.0,	20.5,	47,	0.6378	,08:44:26	,05-Sep-2008
119,	7.7,	20.5,	47,	1.4711	,08:45:26	,05-Sep-2008
120,	6.9,	20.6,	47,	1.0986	,08:46:26	,05-Sep-2008
121,	8.5,	20.7,	47,	1.5569	,08:47:26	,05-Sep-2008
122,	6.3,	20.8,	46,	1.5490	,08:48:26	,05-Sep-2008
123,	7.9,	20.8,	46,	3.0070	,08:49:26	,05-Sep-2008
124,	6.9,	20.9,	46,	2.0147	,08:50:26	,05-Sep-2008
125,	8.7,	21.0,	46,	1.6009	,08:51:26	,05-Sep-2008
126,	9.5,	21.1,	46,	2.4717	,08:52:26	,05-Sep-2008
127,	10.5,	21.2,	46,	2.3272	,08:53:26	,05-Sep-2008
128,	12.9,	21.2,	46,	2.0682	,08:54:26	,05-Sep-2008
129,	8.9,	21.3,	45,	1.9207	,08:55:26	,05-Sep-2008
130,	10.0,	21.4,	45,	1.6766	,08:56:26	,05-Sep-2008
131,	12.1,	21.5,	45,	2.6607	,08:57:26	,05-Sep-2008
132,	8.1,	21.5,	45,	1.3537	,08:58:26	,05-Sep-2008
133,	6.5,	21.5,	45,	1.6448	,08:59:26	,05-Sep-2008
134,	6.1,	21.6,	45,	1.2462	,09:00:26	,05-Sep-2008
135,	7.0,	21.6,	45,	1.9554	,09:01:26	,05-Sep-2008
136,	5.8,	21.7,	44,	0.6766	,09:02:26	,05-Sep-2008
137,	9.3,	21.7,	44,	3.0724	,09:03:26	,05-Sep-2008
138,	9.3,	21.8,	44,	3.3556	,09:04:26	,05-Sep-2008
139,	11.9,	21.9,	44,	3.3463	,09:05:26	,05-Sep-2008
140,	11.7,	22.0,	44,	2.7082	,09:06:26	,05-Sep-2008
141,	13.0,	22.1,	44,	3.9552	,09:07:26	,05-Sep-2008
142,	9.5,	22.1,	44,	2.0208	,09:08:26	,05-Sep-2008
143,	11.0,	22.2,	44,	1.7852	,09:09:26	,05-Sep-2008
144,	16.4,	22.3,	44,	2.4312	,09:10:26	,05-Sep-2008
145,	12.2,	22.4,	44,	2.3776	,09:11:26	,05-Sep-2008
146,	11.2,	22.4,	44,	3.7339	,09:12:26	,05-Sep-2008
147,	11.9,	22.5,	44,	2.6246	,09:13:26	,05-Sep-2008
148,	13.5,	22.6,	43,	1.9173	,09:14:26	,05-Sep-2008
149,	13.8,	22.6,	43,	1.5985	,09:15:26	,05-Sep-2008
150,	9.5,	22.6,	43,	2.3916	,09:16:26	,05-Sep-2008
151,	10.0,	22.7,	43,	2.1523	,09:17:26	,05-Sep-2008
152,	8.5,	22.7,	43,	1.4669	,09:18:26	,05-Sep-2008
153,	9.5,	22.7,	43,	2.9043	,09:19:26	,05-Sep-2008
154,	9.4,	22.7,	43,	2.7546	,09:20:26	,05-Sep-2008
155,	8.9,	22.7,	43,	3.1956	,09:21:26	,05-Sep-2008
156,	8.5,	22.7,	43,	2.8389	,09:22:26	,05-Sep-2008
157,	7.9,	22.7,	43,	2.8051	,09:23:26	,05-Sep-2008
158,	8.3,	22.7,	43,	2.9794	,09:24:26	,05-Sep-2008
159,	9.3,	22.7,	42,	3.5527	,09:25:26	,05-Sep-2008
160,	7.1,	22.8,	42,	3.0394	,09:26:26	,05-Sep-2008
161,	8.4,	22.7,	42,	3.1076	,09:27:26	,05-Sep-2008
162,	7.1,	22.8,	42,	2.7710	,09:28:26	,05-Sep-2008
163,	8.3,	22.8,	42,	2.9920	,09:29:26	,05-Sep-2008
164,	7.4,	22.8,	42,	1.9546	,09:30:26	,05-Sep-2008

165,	5.3,	22.8,	42,	0.5524	,09:31:26	,05-Sep-2008
166,	6.9,	22.9,	42,	0.9406	,09:32:26	,05-Sep-2008
167,	7.9,	22.9,	42,	1.9858	,09:33:26	,05-Sep-2008
168,	8.8,	22.9,	42,	1.2703	,09:34:26	,05-Sep-2008
169,	12.3,	23.0,	42,	3.5007	,09:35:26	,05-Sep-2008
170,	9.7,	23.0,	42,	2.1674	,09:36:26	,05-Sep-2008
171,	7.7,	23.0,	42,	0.8013	,09:37:26	,05-Sep-2008
172,	8.7,	23.1,	42,	2.6382	,09:38:26	,05-Sep-2008
173,	6.9,	23.2,	42,	1.8203	,09:39:26	,05-Sep-2008
174,	9.0,	23.3,	42,	2.0001	,09:40:26	,05-Sep-2008
175,	8.7,	23.4,	42,	2.4348	,09:41:26	,05-Sep-2008
176,	10.1,	23.5,	42,	2.6064	,09:42:26	,05-Sep-2008
177,	11.1,	23.6,	41,	3.2894	,09:43:26	,05-Sep-2008
178,	12.1,	23.7,	41,	2.6996	,09:44:26	,05-Sep-2008
179,	8.7,	23.8,	41,	2.2233	,09:45:26	,05-Sep-2008
180,	12.1,	23.9,	41,	2.5940	,09:46:26	,05-Sep-2008
181,	9.0,	24.0,	41,	3.2277	,09:47:26	,05-Sep-2008
182,	10.0,	24.0,	41,	3.7084	,09:48:26	,05-Sep-2008
183,	11.7,	24.1,	41,	3.4680	,09:49:26	,05-Sep-2008
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185,	6.1,	24.2,	41,	1.3871	,09:51:26	,05-Sep-2008
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187,	5.5,	24.3,	40,	1.0010	,09:53:26	,05-Sep-2008
188,	6.4,	24.4,	40,	0.4980	,09:54:26	,05-Sep-2008
189,	5.5,	24.4,	40,	1.1209	,09:55:26	,05-Sep-2008
190,	5.1,	24.5,	40,	0.8841	,09:56:26	,05-Sep-2008
191,	5.0,	24.5,	40,	1.1438	,09:57:26	,05-Sep-2008
192,	5.3,	24.6,	40,	0.8072	,09:58:26	,05-Sep-2008
193,	4.5,	24.6,	40,	0.5537	,09:59:26	,05-Sep-2008
194,	3.0,	24.7,	40,	0.5443	,10:00:26	,05-Sep-2008
195,	6.1,	24.7,	40,	1.1955	,10:01:26	,05-Sep-2008
196,	4.9,	24.7,	40,	1.2513	,10:02:26	,05-Sep-2008
197,	7.5,	24.8,	40,	2.7806	,10:03:26	,05-Sep-2008
198,	6.6,	24.8,	40,	1.4976	,10:04:26	,05-Sep-2008
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200,	8.6,	24.8,	39,	1.5452	,10:06:26	,05-Sep-2008
201,	5.9,	24.8,	39,	0.9682	,10:07:26	,05-Sep-2008
202,	6.3,	24.8,	40,	1.1931	,10:08:26	,05-Sep-2008
203,	8.4,	24.7,	39,	1.5476	,10:09:26	,05-Sep-2008
204,	8.2,	24.7,	39,	2.3482	,10:10:26	,05-Sep-2008
205,	8.6,	24.7,	39,	1.0271	,10:11:26	,05-Sep-2008
206,	6.8,	24.7,	39,	0.8110	,10:12:26	,05-Sep-2008
207,	8.1,	24.7,	39,	2.7279	,10:13:26	,05-Sep-2008
208,	6.2,	24.7,	39,	1.9923	,10:14:26	,05-Sep-2008
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210,	5.2,	24.8,	39,	1.1042	,10:16:26	,05-Sep-2008
211,	5.0,	24.8,	39,	0.8301	,10:17:26	,05-Sep-2008
212,	4.5,	24.9,	39,	0.3973	,10:18:26	,05-Sep-2008
213,	4.2,	24.9,	39,	0.4672	,10:19:26	,05-Sep-2008
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215,	5.8,	25.0,	39,	0.7039	,10:21:26	,05-Sep-2008
216,	5.5,	25.0,	39,	0.8000	,10:22:26	,05-Sep-2008
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218,	4.4,	25.2,	39,	0.9743	,10:24:26	,05-Sep-2008
219,	5.5,	25.2,	39,	0.6377	,10:25:26	,05-Sep-2008
220,	6.4,	25.3,	39,	1.2894	,10:26:26	,05-Sep-2008
221,	6.6,	25.4,	39,	2.1449	,10:27:26	,05-Sep-2008
222,	9.0,	25.6,	39,	2.7314	,10:28:26	,05-Sep-2008
223,	7.7,	25.6,	39,	2.8747	,10:29:26	,05-Sep-2008
224,	7.0,	25.7,	38,	2.6626	,10:30:26	,05-Sep-2008
225,	6.6,	25.9,	38,	0.9490	,10:31:26	,05-Sep-2008
226,	8.0,	26.0,	38,	2.1876	,10:32:26	,05-Sep-2008
227,	5.4,	26.1,	38,	1.1567	,10:33:26	,05-Sep-2008

228,	8.8,	26.1,	38,	2.8132	,10:34:26	,05-Sep-2008
229,	5.4,	26.2,	38,	0.8666	,10:35:26	,05-Sep-2008
230,	7.6,	26.3,	38,	2.7007	,10:36:26	,05-Sep-2008
231,	7.3,	26.4,	38,	2.9799	,10:37:26	,05-Sep-2008
232,	5.6,	26.5,	38,	0.7524	,10:38:26	,05-Sep-2008
233,	7.8,	26.5,	37,	2.4882	,10:39:26	,05-Sep-2008
234,	8.5,	26.6,	37,	2.4418	,10:40:26	,05-Sep-2008
235,	10.0,	26.6,	37,	2.4897	,10:41:26	,05-Sep-2008
236,	5.1,	26.7,	37,	0.5084	,10:42:26	,05-Sep-2008
237,	9.2,	26.7,	37,	2.1291	,10:43:26	,05-Sep-2008
238,	8.9,	26.7,	37,	2.2377	,10:44:26	,05-Sep-2008
239,	9.8,	26.8,	37,	3.6752	,10:45:26	,05-Sep-2008
240,	6.5,	26.8,	37,	1.7290	,10:46:26	,05-Sep-2008
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242,	5.8,	26.9,	36,	1.2521	,10:48:26	,05-Sep-2008
243,	6.6,	26.9,	36,	2.6403	,10:49:26	,05-Sep-2008
244,	5.1,	26.9,	36,	1.1161	,10:50:26	,05-Sep-2008
245,	6.6,	26.9,	36,	2.0284	,10:51:26	,05-Sep-2008
246,	7.7,	27.0,	36,	2.1212	,10:52:26	,05-Sep-2008
247,	9.4,	27.0,	36,	3.3850	,10:53:26	,05-Sep-2008
248,	11.5,	27.0,	36,	3.4737	,10:54:26	,05-Sep-2008
249,	8.0,	27.1,	36,	3.2619	,10:55:26	,05-Sep-2008
250,	4.7,	27.1,	36,	1.3622	,10:56:26	,05-Sep-2008
251,	5.3,	27.2,	36,	0.8570	,10:57:26	,05-Sep-2008
252,	6.5,	27.2,	36,	0.8441	,10:58:26	,05-Sep-2008
253,	5.7,	27.3,	36,	0.8984	,10:59:26	,05-Sep-2008
254,	8.5,	27.3,	36,	1.8291	,11:00:26	,05-Sep-2008
255,	6.9,	27.4,	36,	1.8971	,11:01:26	,05-Sep-2008
256,	5.5,	27.5,	36,	0.6763	,11:02:26	,05-Sep-2008
257,	3.7,	27.5,	35,	0.4948	,11:03:26	,05-Sep-2008
258,	9.0,	27.5,	36,	1.1925	,11:04:26	,05-Sep-2008
259,	5.9,	27.5,	36,	0.8866	,11:05:26	,05-Sep-2008
260,	6.1,	27.5,	35,	1.2309	,11:06:26	,05-Sep-2008
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267,	5.4,	27.6,	35,	1.8524	,11:13:26	,05-Sep-2008
268,	8.3,	27.7,	35,	2.1463	,11:14:26	,05-Sep-2008
269,	5.0,	27.7,	35,	0.7517	,11:15:26	,05-Sep-2008
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271,	5.7,	27.9,	35,	1.4246	,11:17:26	,05-Sep-2008
272,	7.9,	27.9,	35,	1.8265	,11:18:26	,05-Sep-2008
273,	6.7,	28.0,	34,	1.2169	,11:19:26	,05-Sep-2008
274,	5.6,	28.0,	35,	1.2573	,11:20:26	,05-Sep-2008
275,	3.3,	28.1,	34,	0.7642	,11:21:26	,05-Sep-2008
276,	4.1,	28.1,	34,	0.4706	,11:22:26	,05-Sep-2008
277,	2.8,	28.1,	34,	0.4585	,11:23:26	,05-Sep-2008
278,	5.5,	28.1,	34,	0.5822	,11:24:26	,05-Sep-2008
279,	7.7,	28.2,	35,	1.6718	,11:25:26	,05-Sep-2008
280,	5.9,	28.2,	34,	1.8870	,11:26:26	,05-Sep-2008
281,	7.9,	28.2,	34,	2.5389	,11:27:26	,05-Sep-2008
282,	6.1,	28.3,	34,	0.8773	,11:28:26	,05-Sep-2008
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284,	5.4,	28.3,	34,	1.1366	,11:30:26	,05-Sep-2008
285,	6.7,	28.3,	34,	1.9683	,11:31:26	,05-Sep-2008
286,	5.2,	28.3,	34,	0.9959	,11:32:26	,05-Sep-2008
287,	4.8,	28.3,	34,	0.5338	,11:33:26	,05-Sep-2008
288,	4.9,	28.3,	34,	1.7066	,11:34:26	,05-Sep-2008
289,	5.8,	28.3,	34,	1.0456	,11:35:26	,05-Sep-2008
290,	8.4,	28.3,	34,	0.8455	,11:36:26	,05-Sep-2008

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293,	8.5,	28.4,	34,	1.8085	,11:39:26	,05-Sep-2008
294,	7.1,	28.3,	34,	1.8072	,11:40:26	,05-Sep-2008
295,	6.4,	28.3,	34,	0.9921	,11:41:26	,05-Sep-2008
296,	7.4,	28.3,	34,	1.8763	,11:42:26	,05-Sep-2008
297,	9.2,	28.3,	34,	3.5320	,11:43:26	,05-Sep-2008
298,	7.9,	28.3,	34,	2.5503	,11:44:26	,05-Sep-2008
299,	6.2,	28.3,	34,	0.8676	,11:45:26	,05-Sep-2008
300,	7.3,	28.2,	34,	1.4746	,11:46:26	,05-Sep-2008
301,	7.7,	28.2,	34,	1.9897	,11:47:26	,05-Sep-2008
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304,	7.8,	28.3,	34,	2.4353	,11:50:26	,05-Sep-2008
305,	5.4,	28.3,	34,	0.8075	,11:51:26	,05-Sep-2008
306,	6.0,	28.3,	34,	0.9298	,11:52:26	,05-Sep-2008
307,	4.6,	28.3,	34,	0.7639	,11:53:26	,05-Sep-2008
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309,	5.2,	28.3,	34,	0.6098	,11:55:26	,05-Sep-2008
310,	4.5,	28.3,	34,	0.6009	,11:56:26	,05-Sep-2008
311,	5.2,	28.3,	34,	0.5371	,11:57:26	,05-Sep-2008
312,	7.5,	28.3,	34,	1.2393	,11:58:26	,05-Sep-2008
313,	4.9,	28.3,	34,	1.2383	,11:59:26	,05-Sep-2008
314,	4.5,	28.3,	34,	0.9307	,12:00:26	,05-Sep-2008
315,	4.9,	28.3,	34,	1.0806	,12:01:26	,05-Sep-2008
316,	4.0,	28.3,	34,	0.6153	,12:02:26	,05-Sep-2008
317,	9.0,	28.3,	34,	1.5615	,12:03:26	,05-Sep-2008
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320,	8.6,	28.3,	34,	2.3140	,12:06:26	,05-Sep-2008
321,	4.7,	28.4,	34,	0.8399	,12:07:26	,05-Sep-2008
322,	8.1,	28.4,	34,	1.5959	,12:08:26	,05-Sep-2008
323,	4.7,	28.4,	34,	0.6226	,12:09:26	,05-Sep-2008
324,	3.4,	28.4,	34,	0.4458	,12:10:26	,05-Sep-2008
325,	4.9,	28.5,	34,	0.5019	,12:11:26	,05-Sep-2008
326,	2.7,	28.5,	34,	0.4765	,12:12:26	,05-Sep-2008
327,	4.2,	28.5,	34,	0.8635	,12:13:26	,05-Sep-2008
328,	5.3,	28.5,	34,	1.5862	,12:14:26	,05-Sep-2008
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330,	7.0,	28.5,	34,	1.6516	,12:16:26	,05-Sep-2008
331,	5.0,	28.5,	34,	0.5184	,12:17:26	,05-Sep-2008
332,	2.9,	28.5,	34,	0.4573	,12:18:26	,05-Sep-2008
333,	4.6,	28.5,	34,	0.6187	,12:19:26	,05-Sep-2008
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336,	5.4,	28.5,	34,	0.3180	,12:22:26	,05-Sep-2008
337,	5.9,	28.6,	34,	0.8025	,12:23:26	,05-Sep-2008
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339,	4.8,	28.6,	34,	1.2694	,12:25:26	,05-Sep-2008
340,	3.7,	28.6,	34,	0.6013	,12:26:26	,05-Sep-2008
341,	4.8,	28.6,	34,	0.4514	,12:27:26	,05-Sep-2008
342,	3.9,	28.6,	34,	0.5866	,12:28:26	,05-Sep-2008
343,	3.2,	28.6,	34,	0.3742	,12:29:26	,05-Sep-2008
344,	3.3,	28.7,	34,	0.5211	,12:30:26	,05-Sep-2008
345,	4.5,	28.6,	34,	0.4558	,12:31:26	,05-Sep-2008
346,	4.8,	28.7,	35,	0.4440	,12:32:26	,05-Sep-2008
347,	6.0,	28.7,	34,	0.7260	,12:33:26	,05-Sep-2008
348,	6.2,	28.7,	35,	0.6816	,12:34:26	,05-Sep-2008
349,	7.0,	28.7,	35,	1.7337	,12:35:26	,05-Sep-2008
350,	6.0,	28.7,	35,	0.7576	,12:36:26	,05-Sep-2008
351,	5.7,	28.7,	35,	0.5315	,12:37:26	,05-Sep-2008
352,	7.2,	28.8,	34,	0.9056	,12:38:26	,05-Sep-2008
353,	6.5,	28.8,	34,	1.7866	,12:39:26	,05-Sep-2008

354,	5.5,	28.8,	34,	0.8356	,12:40:26	,05-Sep-2008
355,	6.5,	28.8,	34,	1.3626	,12:41:26	,05-Sep-2008
356,	5.3,	28.8,	34,	0.9636	,12:42:26	,05-Sep-2008
357,	6.0,	28.9,	34,	0.8339	,12:43:26	,05-Sep-2008
358,	5.2,	28.9,	35,	0.5546	,12:44:26	,05-Sep-2008
359,	5.1,	28.9,	35,	0.7012	,12:45:26	,05-Sep-2008
360,	5.4,	29.0,	34,	0.6007	,12:46:26	,05-Sep-2008
361,	6.0,	29.0,	34,	0.9842	,12:47:26	,05-Sep-2008
362,	5.9,	29.0,	34,	0.5864	,12:48:26	,05-Sep-2008
363,	4.7,	29.1,	34,	0.6080	,12:49:26	,05-Sep-2008
364,	5.5,	29.1,	34,	0.4518	,12:50:26	,05-Sep-2008
365,	6.4,	29.1,	34,	0.6566	,12:51:26	,05-Sep-2008
366,	5.1,	29.2,	34,	1.2459	,12:52:26	,05-Sep-2008
367,	5.2,	29.2,	34,	0.7911	,12:53:26	,05-Sep-2008
368,	7.0,	29.3,	34,	1.4824	,12:54:26	,05-Sep-2008
369,	6.2,	29.3,	34,	1.9475	,12:55:26	,05-Sep-2008
370,	6.9,	29.4,	34,	0.5675	,12:56:26	,05-Sep-2008
371,	9.2,	29.5,	34,	0.7548	,12:57:26	,05-Sep-2008
372,	15.3,	29.5,	34,	3.0801	,12:58:26	,05-Sep-2008
373,	11.9,	29.6,	34,	2.0853	,12:59:26	,05-Sep-2008
374,	12.3,	29.6,	34,	1.6663	,13:00:26	,05-Sep-2008
375,	17.0,	29.7,	33,	3.4021	,13:01:26	,05-Sep-2008
376,	14.7,	29.7,	33,	3.1100	,13:02:26	,05-Sep-2008
377,	19.3,	29.8,	33,	3.5666	,13:03:26	,05-Sep-2008
378,	10.0,	29.9,	33,	2.2712	,13:04:26	,05-Sep-2008
379,	4.7,	30.0,	33,	0.4775	,13:05:26	,05-Sep-2008
380,	4.4,	30.1,	33,	0.4956	,13:06:26	,05-Sep-2008
381,	3.8,	30.2,	33,	0.4169	,13:07:26	,05-Sep-2008
382,	10.1,	30.2,	33,	3.0468	,13:08:26	,05-Sep-2008
383,	7.9,	30.3,	33,	2.6189	,13:09:26	,05-Sep-2008
384,	8.9,	30.3,	33,	1.9439	,13:10:26	,05-Sep-2008
385,	5.5,	30.4,	33,	1.1076	,13:11:26	,05-Sep-2008
386,	4.2,	30.4,	33,	0.3534	,13:12:26	,05-Sep-2008
387,	6.2,	30.5,	33,	0.4938	,13:13:26	,05-Sep-2008
388,	4.7,	30.5,	33,	0.5196	,13:14:26	,05-Sep-2008
389,	4.6,	30.5,	33,	0.4022	,13:15:26	,05-Sep-2008
390,	5.3,	30.6,	33,	1.1796	,13:16:26	,05-Sep-2008
391,	6.0,	30.6,	33,	0.7632	,13:17:26	,05-Sep-2008
392,	5.9,	30.6,	32,	1.1127	,13:18:26	,05-Sep-2008
393,	6.5,	30.6,	32,	0.8357	,13:19:26	,05-Sep-2008
394,	5.9,	30.6,	32,	0.4823	,13:20:26	,05-Sep-2008
395,	6.1,	30.7,	32,	1.1715	,13:21:26	,05-Sep-2008
396,	6.5,	30.7,	32,	0.8035	,13:22:26	,05-Sep-2008
397,	5.9,	30.8,	32,	1.0744	,13:23:26	,05-Sep-2008
398,	5.5,	30.8,	32,	0.8480	,13:24:26	,05-Sep-2008
399,	5.9,	30.9,	32,	1.0157	,13:25:26	,05-Sep-2008
400,	8.1,	30.9,	32,	1.1465	,13:26:26	,05-Sep-2008
401,	6.3,	31.0,	32,	2.4032	,13:27:26	,05-Sep-2008
402,	6.2,	31.0,	32,	0.6799	,13:28:26	,05-Sep-2008
403,	9.6,	31.0,	32,	2.8023	,13:29:26	,05-Sep-2008
404,	9.9,	31.1,	32,	1.7563	,13:30:26	,05-Sep-2008
405,	4.3,	31.1,	32,	0.4523	,13:31:26	,05-Sep-2008
406,	5.1,	31.1,	32,	0.6048	,13:32:26	,05-Sep-2008
407,	3.2,	31.1,	32,	0.5795	,13:33:26	,05-Sep-2008
408,	3.5,	31.1,	32,	0.9365	,13:34:26	,05-Sep-2008
409,	5.4,	31.1,	32,	0.5943	,13:35:26	,05-Sep-2008
410,	4.2,	31.2,	32,	0.4868	,13:36:26	,05-Sep-2008
411,	4.9,	31.2,	32,	1.0133	,13:37:26	,05-Sep-2008
412,	3.0,	31.2,	32,	0.7073	,13:38:26	,05-Sep-2008
413,	4.3,	31.2,	32,	0.4590	,13:39:26	,05-Sep-2008
414,	3.7,	31.2,	32,	0.5584	,13:40:26	,05-Sep-2008
415,	4.1,	31.2,	33,	0.5806	,13:41:26	,05-Sep-2008
416,	5.9,	31.2,	32,	0.8323	,13:42:26	,05-Sep-2008

417,	3.5,	31.2,	32,	0.7180	,13:43:26	,05-Sep-2008
418,	4.0,	31.3,	33,	0.5939	,13:44:26	,05-Sep-2008
419,	3.3,	31.3,	32,	0.4047	,13:45:26	,05-Sep-2008
420,	4.1,	31.3,	32,	0.8018	,13:46:26	,05-Sep-2008
421,	4.6,	31.3,	32,	0.5291	,13:47:26	,05-Sep-2008
422,	8.5,	31.3,	32,	0.7141	,13:48:26	,05-Sep-2008
423,	9.0,	31.3,	32,	1.8765	,13:49:26	,05-Sep-2008
424,	3.2,	31.3,	32,	0.7961	,13:50:26	,05-Sep-2008
425,	6.3,	31.4,	32,	0.9503	,13:51:26	,05-Sep-2008
426,	5.2,	31.4,	32,	2.0393	,13:52:26	,05-Sep-2008
427,	2.9,	31.5,	32,	0.5544	,13:53:26	,05-Sep-2008
428,	4.3,	31.5,	32,	0.5652	,13:54:26	,05-Sep-2008
429,	15.4,	31.5,	32,	1.5780	,13:55:26	,05-Sep-2008
430,	11.1,	31.5,	31,	1.6868	,13:56:26	,05-Sep-2008
431,	6.8,	31.5,	31,	0.4846	,13:57:26	,05-Sep-2008
432,	6.0,	31.5,	31,	0.6364	,13:58:26	,05-Sep-2008
433,	4.7,	31.5,	31,	0.6369	,13:59:26	,05-Sep-2008
434,	2.8,	31.6,	31,	0.3947	,14:00:26	,05-Sep-2008
435,	5.2,	31.5,	31,	0.8720	,14:01:26	,05-Sep-2008
436,	5.6,	31.6,	31,	0.5773	,14:02:26	,05-Sep-2008
437,	3.1,	31.6,	31,	0.5433	,14:03:26	,05-Sep-2008
438,	4.2,	31.6,	31,	0.7258	,14:04:26	,05-Sep-2008
439,	3.1,	31.6,	31,	0.3652	,14:05:26	,05-Sep-2008
440,	2.4,	31.6,	31,	0.3661	,14:06:26	,05-Sep-2008
441,	3.6,	31.6,	31,	0.4153	,14:07:26	,05-Sep-2008
442,	3.3,	31.6,	31,	0.3904	,14:08:26	,05-Sep-2008
443,	5.5,	31.6,	31,	1.8284	,14:09:26	,05-Sep-2008
444,	8.5,	31.7,	31,	1.4285	,14:10:26	,05-Sep-2008
445,	14.3,	31.7,	31,	0.9010	,14:11:26	,05-Sep-2008
446,	12.4,	31.6,	31,	0.6910	,14:12:26	,05-Sep-2008
447,	2.6,	31.6,	31,	0.3692	,14:13:26	,05-Sep-2008
448,	3.8,	31.7,	31,	0.3881	,14:14:26	,05-Sep-2008
449,	3.3,	31.7,	31,	0.5650	,14:15:26	,05-Sep-2008
450,	4.7,	31.7,	31,	0.5639	,14:16:26	,05-Sep-2008
451,	5.2,	31.7,	31,	0.7094	,14:17:26	,05-Sep-2008
452,	5.5,	31.8,	31,	0.4190	,14:18:26	,05-Sep-2008
453,	3.4,	31.8,	31,	0.5207	,14:19:26	,05-Sep-2008
454,	4.8,	31.9,	31,	0.5364	,14:20:26	,05-Sep-2008
455,	3.4,	31.9,	31,	0.4263	,14:21:26	,05-Sep-2008
456,	4.0,	31.9,	31,	0.4924	,14:22:26	,05-Sep-2008
457,	2.8,	32.0,	32,	0.5692	,14:23:26	,05-Sep-2008
458,	3.1,	31.9,	32,	0.4145	,14:24:26	,05-Sep-2008
459,	2.5,	31.9,	32,	0.3319	,14:25:26	,05-Sep-2008
460,	2.2,	31.9,	32,	0.4005	,14:26:26	,05-Sep-2008
461,	1.2,	31.9,	32,	0.3905	,14:27:26	,05-Sep-2008
462,	2.5,	31.9,	32,	0.3935	,14:28:26	,05-Sep-2008
463,	3.0,	31.9,	32,	0.3835	,14:29:26	,05-Sep-2008
464,	4.2,	31.9,	32,	0.4069	,14:30:26	,05-Sep-2008
465,	1.9,	31.8,	32,	0.3771	,14:31:26	,05-Sep-2008
466,	2.4,	31.9,	32,	0.3418	,14:32:26	,05-Sep-2008
467,	2.2,	31.9,	32,	0.3418	,14:33:26	,05-Sep-2008
468,	1.8,	31.8,	32,	0.3474	,14:34:26	,05-Sep-2008
469,	2.5,	31.8,	32,	0.3715	,14:35:26	,05-Sep-2008
470,	1.7,	31.9,	32,	0.3077	,14:36:26	,05-Sep-2008
471,	2.1,	31.9,	32,	0.3198	,14:37:26	,05-Sep-2008
472,	3.2,	31.9,	32,	0.3630	,14:38:26	,05-Sep-2008
473,	3.5,	31.9,	33,	0.5187	,14:39:26	,05-Sep-2008
474,	3.6,	32.0,	33,	0.8345	,14:40:26	,05-Sep-2008
475,	4.0,	32.0,	32,	0.6837	,14:41:26	,05-Sep-2008
476,	2.5,	32.0,	33,	0.4152	,14:42:26	,05-Sep-2008
477,	3.7,	32.0,	33,	0.5827	,14:43:26	,05-Sep-2008
478,	2.1,	32.0,	33,	0.6735	,14:44:26	,05-Sep-2008
479,	3.9,	32.1,	33,	0.4976	,14:45:26	,05-Sep-2008

480,	4.8,	32.1,	32,	0.5913	,14:46:26	,05-Sep-2008
481,	10.9,	32.1,	32,	2.1577	,14:47:26	,05-Sep-2008
482,	3.7,	32.1,	32,	0.8057	,14:48:26	,05-Sep-2008
483,	7.5,	32.1,	32,	1.0476	,14:49:26	,05-Sep-2008
484,	6.5,	32.1,	32,	1.4451	,14:50:26	,05-Sep-2008
485,	7.4,	32.1,	32,	2.3816	,14:51:26	,05-Sep-2008
486,	5.2,	32.2,	32,	0.5326	,14:52:26	,05-Sep-2008
487,	3.8,	32.2,	32,	1.3310	,14:53:26	,05-Sep-2008
488,	3.8,	32.2,	32,	0.8373	,14:54:26	,05-Sep-2008
489,	1.9,	32.2,	31,	0.4499	,14:55:26	,05-Sep-2008
490,	2.9,	32.2,	31,	0.6804	,14:56:26	,05-Sep-2008
491,	1.8,	32.2,	31,	0.4313	,14:57:26	,05-Sep-2008
492,	1.5,	32.1,	31,	0.3876	,14:58:26	,05-Sep-2008
493,	2.5,	32.1,	31,	0.3571	,14:59:26	,05-Sep-2008
494,	2.4,	32.1,	31,	0.4027	,15:00:26	,05-Sep-2008
495,	3.0,	32.1,	31,	0.9948	,15:01:26	,05-Sep-2008
496,	6.0,	32.0,	31,	1.7152	,15:02:26	,05-Sep-2008
497,	6.5,	32.0,	32,	2.0583	,15:03:26	,05-Sep-2008
498,	3.4,	32.1,	32,	1.0775	,15:04:26	,05-Sep-2008
499,	1.1,	32.1,	32,	0.3743	,15:05:26	,05-Sep-2008
500,	4.4,	32.1,	32,	0.4859	,15:06:26	,05-Sep-2008
501,	3.5,	32.1,	32,	0.5090	,15:07:26	,05-Sep-2008
502,	3.8,	32.2,	32,	0.8639	,15:08:26	,05-Sep-2008
503,	3.2,	32.1,	32,	0.4541	,15:09:26	,05-Sep-2008
504,	19.9,	32.2,	32,	0.6301	,15:10:26	,05-Sep-2008
505,	6.4,	32.1,	32,	0.3900	,15:11:26	,05-Sep-2008
506,	2.4,	32.1,	31,	0.3827	,15:12:26	,05-Sep-2008
507,	3.1,	32.1,	31,	0.4655	,15:13:26	,05-Sep-2008
508,	4.9,	32.0,	31,	0.5602	,15:14:26	,05-Sep-2008
509,	8.7,	32.0,	31,	1.1017	,15:15:26	,05-Sep-2008
510,	7.3,	32.0,	32,	2.3200	,15:16:26	,05-Sep-2008
511,	12.1,	32.0,	32,	1.7402	,15:17:26	,05-Sep-2008
512,	6.7,	31.9,	32,	2.2530	,15:18:26	,05-Sep-2008
513,	4.4,	31.8,	32,	1.2136	,15:19:26	,05-Sep-2008
514,	1.7,	31.7,	32,	0.4407	,15:20:26	,05-Sep-2008
515,	3.5,	31.7,	32,	0.4506	,15:21:26	,05-Sep-2008
516,	1.3,	31.6,	32,	0.3706	,15:22:26	,05-Sep-2008
517,	2.3,	31.6,	32,	0.3488	,15:23:26	,05-Sep-2008
518,	1.5,	31.5,	32,	0.3699	,15:24:26	,05-Sep-2008
519,	2.6,	31.5,	32,	0.3974	,15:25:26	,05-Sep-2008
520,	3.6,	31.4,	32,	0.5089	,15:26:26	,05-Sep-2008
521,	5.5,	31.4,	32,	1.6937	,15:27:26	,05-Sep-2008
522,	5.9,	31.4,	32,	2.1507	,15:28:26	,05-Sep-2008
523,	6.1,	31.4,	32,	0.9170	,15:29:26	,05-Sep-2008
524,	3.1,	31.3,	32,	0.4336	,15:30:26	,05-Sep-2008
525,	2.3,	31.3,	32,	0.4170	,15:31:26	,05-Sep-2008
526,	1.2,	31.3,	32,	0.4512	,15:32:26	,05-Sep-2008
527,	0.7,	31.2,	32,	0.3670	,15:33:26	,05-Sep-2008
528,	5.7,	31.2,	32,	0.9852	,15:34:26	,05-Sep-2008
529,	5.0,	31.2,	32,	0.7234	,15:35:26	,05-Sep-2008
530,	13.7,	31.2,	32,	3.4397	,15:36:26	,05-Sep-2008
531,	7.3,	31.2,	32,	1.6921	,15:37:26	,05-Sep-2008
532,	5.2,	31.2,	32,	1.0249	,15:38:26	,05-Sep-2008
533,	1.6,	31.1,	33,	0.3853	,15:39:26	,05-Sep-2008
534,	6.8,	31.1,	32,	1.0606	,15:40:26	,05-Sep-2008
535,	1.9,	31.0,	33,	0.3811	,15:41:26	,05-Sep-2008
536,	1.6,	31.0,	33,	0.3734	,15:42:26	,05-Sep-2008
537,	1.5,	30.9,	33,	0.3238	,15:43:26	,05-Sep-2008
538,	3.5,	30.8,	33,	0.3270	,15:44:26	,05-Sep-2008
539,	7.2,	30.8,	33,	0.5182	,15:45:26	,05-Sep-2008
540,	4.9,	30.8,	33,	0.8570	,15:46:26	,05-Sep-2008
541,	2.8,	30.8,	33,	0.5826	,15:47:26	,05-Sep-2008
542,	7.2,	30.8,	33,	1.7831	,15:48:26	,05-Sep-2008

543,	10.6,	30.7,	33,	2.0794	,15:49:26	,05-Sep-2008
544,	7.8,	30.7,	33,	2.0128	,15:50:26	,05-Sep-2008
545,	5.4,	30.7,	34,	2.0631	,15:51:26	,05-Sep-2008
546,	3.4,	30.7,	34,	0.8053	,15:52:26	,05-Sep-2008
547,	1.7,	30.8,	33,	0.8754	,15:53:26	,05-Sep-2008
548,	4.6,	30.7,	33,	1.4694	,15:54:26	,05-Sep-2008
549,	1.7,	30.7,	33,	0.4119	,15:55:26	,05-Sep-2008
550,	3.4,	30.7,	33,	0.3783	,15:56:26	,05-Sep-2008
551,	1.6,	30.6,	33,	0.3396	,15:57:26	,05-Sep-2008
552,	5.7,	30.6,	33,	1.0663	,15:58:26	,05-Sep-2008
553,	5.8,	30.5,	33,	0.7304	,15:59:26	,05-Sep-2008
554,	10.6,	30.5,	33,	2.2482	,16:00:26	,05-Sep-2008
555,	10.3,	30.5,	34,	2.5707	,16:01:26	,05-Sep-2008
556,	12.7,	30.4,	34,	4.0132	,16:02:26	,05-Sep-2008
557,	7.7,	30.4,	34,	2.1628	,16:03:26	,05-Sep-2008
558,	2.9,	30.4,	34,	0.7579	,16:04:26	,05-Sep-2008
559,	7.1,	30.4,	34,	1.5846	,16:05:26	,05-Sep-2008
560,	9.5,	30.4,	34,	2.5660	,16:06:26	,05-Sep-2008
561,	9.0,	30.3,	34,	3.0052	,16:07:26	,05-Sep-2008
562,	8.4,	30.3,	34,	2.6914	,16:08:26	,05-Sep-2008
563,	2.6,	30.3,	34,	1.0701	,16:09:26	,05-Sep-2008
564,	3.8,	30.3,	34,	0.6990	,16:10:26	,05-Sep-2008
565,	6.4,	30.3,	34,	1.0952	,16:11:26	,05-Sep-2008
566,	3.4,	30.3,	34,	1.0764	,16:12:26	,05-Sep-2008
567,	0.8,	30.2,	34,	0.3507	,16:13:26	,05-Sep-2008
568,	1.5,	30.2,	34,	0.3493	,16:14:26	,05-Sep-2008
569,	2.0,	30.2,	34,	0.3558	,16:15:26	,05-Sep-2008
570,	1.5,	30.2,	34,	0.3518	,16:16:26	,05-Sep-2008
571,	2.4,	30.2,	34,	0.3368	,16:17:26	,05-Sep-2008
572,	1.3,	30.2,	34,	0.3416	,16:18:26	,05-Sep-2008
573,	1.1,	30.1,	34,	0.3395	,16:19:26	,05-Sep-2008
574,	2.4,	30.1,	34,	0.3095	,16:20:26	,05-Sep-2008
575,	1.7,	30.1,	34,	0.3458	,16:21:26	,05-Sep-2008
576,	3.6,	30.1,	34,	0.5347	,16:22:26	,05-Sep-2008
577,	3.5,	30.1,	34,	0.3733	,16:23:26	,05-Sep-2008
578,	1.7,	30.1,	34,	0.3776	,16:24:26	,05-Sep-2008
579,	2.4,	30.0,	34,	0.3662	,16:25:26	,05-Sep-2008
580,	2.9,	30.0,	34,	0.8713	,16:26:26	,05-Sep-2008
581,	4.9,	30.0,	34,	1.9427	,16:27:26	,05-Sep-2008
582,	1.9,	30.0,	34,	0.3889	,16:28:26	,05-Sep-2008
583,	5.1,	30.0,	34,	0.7543	,16:29:26	,05-Sep-2008
584,	1.0,	30.0,	34,	0.3662	,16:30:26	,05-Sep-2008
585,	5.1,	29.9,	34,	1.3082	,16:31:26	,05-Sep-2008
586,	6.6,	29.9,	34,	2.7218	,16:32:26	,05-Sep-2008
587,	10.2,	29.9,	34,	1.8102	,16:33:26	,05-Sep-2008
588,	5.7,	29.8,	34,	1.2511	,16:34:26	,05-Sep-2008
589,	2.1,	29.7,	34,	0.7282	,16:35:26	,05-Sep-2008
590,	2.0,	29.7,	34,	0.4839	,16:36:26	,05-Sep-2008
591,	4.5,	29.7,	35,	0.6124	,16:37:26	,05-Sep-2008
592,	6.9,	29.7,	34,	1.9646	,16:38:26	,05-Sep-2008
593,	7.3,	29.6,	35,	2.6252	,16:39:26	,05-Sep-2008
594,	6.2,	29.6,	35,	2.2937	,16:40:26	,05-Sep-2008
595,	2.5,	29.6,	35,	0.7105	,16:41:26	,05-Sep-2008
596,	4.7,	29.6,	35,	1.0849	,16:42:26	,05-Sep-2008
597,	5.0,	29.5,	35,	1.7868	,16:43:26	,05-Sep-2008
598,	10.1,	29.5,	35,	2.8205	,16:44:26	,05-Sep-2008
599,	10.8,	29.5,	35,	2.8713	,16:45:26	,05-Sep-2008
600,	3.8,	29.4,	35,	1.6483	,16:46:26	,05-Sep-2008
601,	6.3,	29.4,	35,	2.0723	,16:47:26	,05-Sep-2008
602,	4.7,	29.4,	35,	0.9224	,16:48:26	,05-Sep-2008
603,	1.3,	29.4,	35,	0.3815	,16:49:26	,05-Sep-2008
604,	3.4,	29.3,	35,	0.4418	,16:50:26	,05-Sep-2008
605,	8.6,	29.3,	35,	1.9917	,16:51:26	,05-Sep-2008

606,	3.0,	29.2,	35,	1.3952	,16:52:26	,05-Sep-2008
607,	1.6,	29.2,	35,	0.4601	,16:53:26	,05-Sep-2008
608,	5.8,	29.1,	35,	2.1033	,16:54:26	,05-Sep-2008
609,	4.5,	29.1,	36,	0.8660	,16:55:26	,05-Sep-2008
610,	14.3,	29.0,	36,	3.3839	,16:56:26	,05-Sep-2008
611,	3.0,	29.0,	36,	0.9116	,16:57:26	,05-Sep-2008
612,	5.7,	29.0,	36,	1.3599	,16:58:26	,05-Sep-2008
613,	7.4,	28.9,	36,	2.5746	,16:59:26	,05-Sep-2008
614,	9.6,	28.9,	36,	2.6334	,17:00:26	,05-Sep-2008
615,	4.6,	28.9,	36,	1.0505	,17:01:26	,05-Sep-2008
616,	4.0,	28.9,	36,	0.4444	,17:02:26	,05-Sep-2008
617,	2.5,	28.9,	36,	0.3779	,17:03:26	,05-Sep-2008
618,	6.6,	28.9,	36,	1.6030	,17:04:26	,05-Sep-2008
619,	2.0,	28.9,	36,	0.3883	,17:05:26	,05-Sep-2008
620,	3.3,	28.9,	36,	0.4992	,17:06:26	,05-Sep-2008
621,	5.4,	28.8,	36,	1.1096	,17:07:26	,05-Sep-2008
622,	3.8,	28.8,	36,	1.3035	,17:08:26	,05-Sep-2008
623,	2.2,	28.7,	36,	0.4337	,17:09:26	,05-Sep-2008
624,	3.0,	28.7,	36,	0.4331	,17:10:26	,05-Sep-2008
625,	1.0,	28.7,	36,	0.3214	,17:11:26	,05-Sep-2008
626,	1.9,	28.7,	37,	0.3209	,17:12:26	,05-Sep-2008
627,	2.3,	28.7,	37,	0.3244	,17:13:26	,05-Sep-2008
628,	3.2,	28.7,	37,	0.3564	,17:14:26	,05-Sep-2008
629,	1.4,	28.7,	37,	0.3703	,17:15:26	,05-Sep-2008
630,	0.7,	28.7,	37,	0.3369	,17:16:26	,05-Sep-2008
631,	2.3,	28.7,	37,	0.3616	,17:17:26	,05-Sep-2008
632,	1.8,	28.7,	37,	0.3438	,17:18:26	,05-Sep-2008
633,	1.3,	28.7,	37,	0.3256	,17:19:26	,05-Sep-2008
634,	3.0,	28.7,	37,	0.4184	,17:20:26	,05-Sep-2008
635,	4.1,	28.7,	37,	1.3673	,17:21:26	,05-Sep-2008
636,	2.5,	28.7,	37,	0.3695	,17:22:26	,05-Sep-2008
637,	1.7,	28.7,	37,	0.3447	,17:23:26	,05-Sep-2008
638,	1.8,	28.7,	37,	0.3881	,17:24:26	,05-Sep-2008
639,	1.8,	28.6,	37,	0.3658	,17:25:26	,05-Sep-2008
640,	1.3,	28.6,	37,	0.3209	,17:26:26	,05-Sep-2008
641,	1.3,	28.5,	37,	0.3624	,17:27:26	,05-Sep-2008
642,	1.7,	28.5,	37,	0.3839	,17:28:26	,05-Sep-2008
643,	1.5,	28.5,	37,	0.3884	,17:29:26	,05-Sep-2008
644,	0.7,	28.5,	37,	0.3370	,17:30:26	,05-Sep-2008
645,	4.0,	28.5,	37,	0.3295	,17:31:26	,05-Sep-2008
646,	6.5,	28.4,	37,	2.2251	,17:32:26	,05-Sep-2008
647,	1.9,	28.4,	37,	0.7501	,17:33:26	,05-Sep-2008
648,	1.7,	28.4,	37,	0.5245	,17:34:26	,05-Sep-2008
649,	1.7,	28.4,	37,	0.4569	,17:35:26	,05-Sep-2008
650,	0.4,	28.4,	37,	0.3800	,17:36:26	,05-Sep-2008
651,	0.7,	28.4,	37,	0.3962	,17:37:26	,05-Sep-2008
652,	2.5,	28.3,	37,	0.6771	,17:38:26	,05-Sep-2008

PORT OF PORTLAND

DAILY DIARY

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 5, 2008 **REPORT NO.** 23

WEATHER Partial clouds, no showers **TEMPERATURE** 53L 76H

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:

(07:00-17:30) Contractor's working hours at Wheeler Bay

(07:00) Contractor's safety meeting

(07:30 -17:30) JD410 at toe of slope, continues to excavate common material at sta 6+10 to 4+50 to build structural keyed toe (see detail 3/C-3). PC200 working on armor rock stockpile keeping footprint at a minimum. HM 30 and BW177 on standby most of the day. No additional material added, such as fabric, select fill, armor rock, etc., to structural toe from where crew stopped Thurs. work at sta 6+10.

Contractor's surveyor with grade checker continues to lay out slope stakes from sta 6+75 to 4+00.
JD450 continues to process common material (creating 3:1 slope) that was excavated from toe of slope and hauled up to top of bank at approx. 4+50 to sta5+50

McCoy not on site today. New electrical vault lid has not yet been delivered and crew has plywood as cover till lid arrives.

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 9-5-8
(signature on hardcopy)

ATTACHMENT C

DAILY CONSTRUCTION MONITORING REPORTS FOR THE TRANSLOADING FACILITY

ANCHOR ENVIRONMENTAL, L.L.C.

Daily Construction Report Number: 12

Work Hours: 6:00 to 16:00

Project Number: 050332-01 Day: Wednesday Date: 8/29/08

Weather AM: Partly cloudy, still L: 47 °F PM: Partly cloudy H: 76 °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. Street sweeping, new liner layout

Visitors: _____

Item Description	Quantity Today	√	Remarks
Drying agent delivered (truckload)	4		Truck and pup
Sediment transported to landfill (truck/pup load)	32		Truck and pup
Water removed from tank on barge	2		Vacuum truck
Fuel delivery	1		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.

Rick Schwarz
Resident Engineer

Rick Schwarz
Project Engineer

5:40	Arrive at site.
5:45	Safety meeting (Doug Larsen, HME, West Coast Marine Cleaning). Safety meeting topic was cooler weather, stretch before exerting to avoid pulled muscles. Partly cloudy and still, 47° F. HME gearing up for trucks (set to arrive at 6:30) work material on new barge (Reedsport). Prep for soil sampling.
6:10	Begin soil sampling.
6:17	Three trucks arrive (41, 22, and 9519)
6:26	1st truck on loading pad (41). Loading from sediment left in box on Friday from Umpqua.
6:38	1st truck covered and out (41). 2nd truck on loading pad (22).
6:45	2nd truck covered and out (22). 3rd truck on loading pad (9519).
6:49	Begin reloading box with sediment from Reedsport.
7:09	3rd truck covered and out (9519).
7:20	4th truck on loading pad (20).
7:37	4th truck covered and out (20). No trucks available. Working material on barge and sweeping yard. Complete sampling and paperwork.
8:10	First load of drying agent arrive (Truck #13). Unload pup at 8:18 and truck at 8:28. This is the light gray chunky material.
8:15	Trucks 9519 and 41 return to site. Begin lining.
8:24	5th truck on loading pad (9519).
8:31	5th truck covered and out (9519). 6th truck on loading pad (41).
8:47	6th truck covered and out (41).
8:46	Second load of drying agent arrive (Truck #19). Unload pup at 8:55 and truck at 9:19. This is the light gray chunky material.
8:47	7th truck on loading pad (13).
8:57	7th truck covered and out (13).
9:00	8th truck on loading pad (46).
9:12	8th truck covered and out (46). 9th truck on loading pad (20).
9:02	Third load of drying agent arrive (Truck #51). Unload pup at 9:16 and truck at 9:19. This is the brown, finer grained material.
9:18	Tanker (Hattenhauer Distributing Co) on-site to refuel trackhoe. Overcast, 62° F.
9:20	9th truck covered and out (20).
9:48	10th truck on loading pad (51).
9:56	10th truck covered and out (51). 11th truck on loading pad (9519).
10:11	11th truck covered and out (9519).
10:17	12th truck on loading pad (41).
10:32	12th truck covered and out (41). 13th truck on loading pad (13).
10:38	Senvoy on-site to pick up soil samples. Bishop Sanitation arrive to service portapotty.
10:40	13th truck covered and out (13). 14th truck on loading pad (46).
10:56	14th truck covered and out (46). 15th truck on loading pad (20).
11:07	15th truck covered and out (20). 16th truck on loading pad (51).
11:25	16th truck covered and out (51). Hazy, 67° F.
11:28	17th truck on loading pad (9519).
11:43	17th truck covered and out (9519).
??	18th truck on loading pad (41).
12:15	18th truck covered and out (41). 19th truck on loading pad (13).
12:20	Craig Wells called to say water quality monitoring is complete and they are heading to

marina.
12:25 19th truck covered and out (13).
12:30 20th truck on loading pad (46).
12:44 20th truck covered and out (46). 21st truck on loading pad (20).
13:01 21st truck covered and out (20). 22nd truck being loaded (51).
13:09 22nd truck covered and out (51).
13:11 23rd truck on loading pad (9519).
13:13 Vacuum Truck (Thermo Fluids Inc.) and escort arrive to take water from tank on barge.
13:22 23rd truck covered and out (9519).
13:38 24th truck on loading pad (41).
13:41 Vacuum truck off-site.
13:50 24th truck covered and out (41). 25th truck on loading pad (13)
13:59 25th truck covered and out (13). 26th truck on loading pad (46).
14:04 Truck (Nutter) on-site delivering plastic sheeting for lining truck beds.
14:17 26th truck covered and out (46). 27th truck on loading pad (20). Nutter off-site.
14:29 27th truck covered and out (20).
14:35 28th truck on loading pad (51).
14:48 28th truck covered and out (51). 29th truck on loading pad (9519).
14:50 Vacuum Truck (Thermo Fluids Inc.) on-site for second load of water.
15:04 29th truck covered and out (9519). Not trucks on-site.
15:11 Vacuum truck off-site
15:29 30th truck on loading pad (41).
15:39 30th truck covered and out (41).
15:46 31st truck on loading pad (46).
15:56 31st truck covered and out (46). 32nd truck on loading pad (20).
16:12 32nd truck covered and out (20). Discuss days activities with Doug Larsen and inform him that Nathan will be taking over CM tomorrow.
16:30 Fourth load of drying agent arrive (Truck #51). Unload pup at 16:32 and truck at 16:42. This is the light gray chunky material.
16:45 Wrap up log and leave site.

Rick Schwarz	Rick Schwarz
Resident Engineer	Project Engineer

HME
CRANEWORK & DREDGING

DAILY QUALITY CONTROL REPORT

Daily Report No. 12 Date: 9/2/08 - 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
5	operators		HME	Derrick crew - off load spoils to Ecology Box
1	Laborer		OAR Of Tech	Line Truck Boss
1	operator		" "	EXCAVATOR operator - load Trucks from Ecology
6	TK Drivers		" "	Haul spoils from The Dalles to Landfill

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

Plant/Equipment	Date of Arrival/Departure	Date of Safety Check	Hours Used	Hours Idle	Hours Repair
Sea Vulture	0600	9/2/08			
6 trucks	0600	9/2/08			
1 excavator	0600	9/2/08			
1 sweeper	0600	9/2/08			
1 loader	0600	9/2/08			

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

START unloading Barge Reeds port (%) Today - Pumped off most water this morn.
2 loads of water hauled out today - 4 loads of Drying Agent hauled 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:

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).

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

9/2/08
Date

Daily Inspection Checklist

Date 9/2/08 Tue

1) Safety Meeting: Agenda: Cooler weather - Stretch out, loosen up Befor heavy Activity -

Attendees:

Doug Lam, Dan [illegible], RJ [illegible], Brit Maher, [illegible], [illegible], Aaron Webb, Rick Schwarz, [illegible], [illegible], [illegible], [illegible]

Derrick SEAHORSE ☐

Derrick Sea Vulture ☑

2) Crane Inspection: ☑ "Attach Operator Log/Inspection Log"

3) Plant Inspection ☑

Deficiencies:	Date	Date Corrected
Ramp from Dock To Bks needs reset	9/2/08	9/2/08

4) Staff Gage Check ☒ N/A

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: Draft PB _____ SB _____

Keep within 2 ft of trim PS _____ SS _____

Tank Sounding #1 _____ #3 _____

#2 _____ #4 _____

11) Baker Tank Level #1 4222 gals, pumped off Rockport load #6 #2 5462 gal = 2 loads hauled out today our conversion 5674 gals scale

12) De con Stations

Clean ☑

Inventory ☑

Wasco County Landfill
WASCO COUNTY LANDFILL
The Dalles, OR 97058

000245 Site 40
HICKEY MARINE ENTERPRISES Ticket 013642
PORT OF PORTLAND-LIQ Date In 09/02/08
6801 OLD LOWER RD Time In 15:36
VANCOUVER WA 98660 Date Out 09/02/08
Time Out 15:54

Weighmaster NANCY Ref. WATER
Origin WASH ST Grid

DESCRIPTION

Scale 1 Gross Wt. 61720 LB Vehicle TRAIL
Scale 1 Tare Wt. 38020 LB Roll-Off
Net Wt. 23700 LB TON 11.85

LIQUIDS/SEMI-SOLIDS per TON

PO #
NOTE
DRIVER

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 013625
PORT OF PORTLAND-LIQ Date In 09/02/08
6801 OLD LOWER RD Time In 14:06
VANCOUVER WA 98660 Date Out 09/02/08
Time Out 14:27

Weighmaster NANCY Ref. WATER
Origin WASH ST Grid

DESCRIPTION

Scale 1 Gross Wt. 61760 LB Vehicle TRAIL
Scale 1 Tare Wt. 38080 LB Roll-Off
Net Wt. 23680 LB TON 11.84

LIQUIDS/SEMI-SOLIDS per TON

PO #
NOTE
DRIVER

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 _____

HICKEY MARINE ENTERPRISES, INC.

PORT OF PORTLAND T-4

DATE 09/02/08

DATE	TICKET #	MATERIAL	WEIGHT
9/2/2008	13555	SPEC-OTH	31.69
9/2/2008	13560	SPEC-OTH	29.80
9/2/2008	13565	SPEC-OTH	32.51
9/2/2008	13570	SPEC-OTH	33.98
9/2/2008	13573	SPEC-OTH	32.40
9/2/2008	13577	SPEC-OTH	33.71
9/2/2008	13579	SPEC-OTH	33.51
9/2/2008	13582	SPEC-OTH	33.03
9/2/2008	13584	SPEC-OTH	32.12
9/2/2008	13587	SPEC-OTH	33.17
9/2/2008	13589	SPEC-OTH	32.62
9/2/2008	13594	SPEC-OTH	32.92
9/2/2008	13596	SPEC-OTH	32.69
9/2/2008	13597	SPEC-OTH	32.82
9/2/2008	13599	SPEC-OTH	32.22
9/2/2008	13601	SPEC-OTH	33.92
9/2/2008	13608	SPEC-OTH	32.73
9/2/2008	13612	SPEC-OTH	34.19
9/2/2008	13613	SPEC-OTH	33.33
9/2/2008	13616	SPEC-OTH	32.99
9/2/2008	13618	SPEC-OTH	32.84
9/2/2008	13619	SPEC-OTH	35.78
9/2/2008	13620	SPEC-OTH	31.10
9/2/2008	13626	SPEC-OTH	32.15
9/2/2008	13634	SPEC-OTH	32.68
9/2/2008	13637	SPEC-OTH	33.16
9/2/2008	13638	SPEC-OTH	33.34
9/2/2008	13640	SPEC-OTH	33.63
9/2/2008	13641	SPEC-OTH	32.03
9/2/2008	13645	SPEC-OTH	32.75
9/2/2008	13648	SPEC-OTH	31.85
9/2/2008	13649	SPEC-OTH	34.28
			1,051.94

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

CRANEWORK & DREDGING

M	T	W	TH	F	S	S

Job Name [illegible] Date 9-2-08

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 Rockport [illegible]

Equipment Safety Checks Performed? Yes / No

Personal Protective Equipment Safety Checks Performed ? Yes / No

Work performed today

[illegible] Safety meeting
[illegible] Tie up [illegible] at Rockport Prop Water
[illegible] Prep and load Barges
[illegible] [illegible]

Extra work or delays (authorized by)

Sign _____

Form #3

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

FOREMAN'S DAILY TIME REPORT

DATE 9-2 20 08 | M | T X | W | TH | F | S | S |

OR. X WA. _____

16 30

Description Of Work	T-4 offload								
JOB #									
PHASE									

EMPLOYEE NAME	ST	OT	ST	OT	ST	OT	ST	OT	ST	OT	ST	OT	ST	OT	TOTAL MAN HOURS COMBINED
Doug Larsen	8	3													11
Brett Gianella	8	3													11
Darrel Iuto	8	3													11
Justin Bay	8	3													11
Dennis Forsberg	8	3													11
DAILY TOTALS															

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

Form #1

Project: T-4 Offload Date: 4-2-08

Gallons of Diesel used 38 gallons

Barge Displacements

Start of Shift (Water Tank 26") Time: 0615

Load # 6 (Barge Name)	Drafts		Tonnage
Load #6	10.0	10.2	
Reedsport	10.5	10.5	

End of Shift (Water Tank 20") Time: 1630

Pumped 48" into Truck

Load # (Barge Name)	Drafts		Tonnage
Load #6.	10.3	3.4	
Reedsport	10.3	3.2	

# of Gallons of water pumped

4772 gal

Total Tons Offloaded 1051.94

ANCHOR ENVIRONMENTAL, L.L.C.

Daily Construction Report Number: 13

Work Hours: 6:00 to 15:35

Project Number: 050332-01 Day: Wednesday Date: 9/3/08

Weather AM: Clear, still L: 54 °F PM: Clear Windy H: 83 °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: _____

Item Description	Quantity Today	√	Remarks
Drying agent delivered (truckload)	2		Truck and pup
Sediment transported to landfill (truck/pup load)	35		Truck and pup
Water removed from tank on barge	0		Vacuum truck
Fuel delivery	1		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.

Nathan Soccorsy
Resident Engineer

Rick Schwarz
Project Engineer

5:45	Safety meeting (Doug Larsen, HME, West Coast Marine Cleaning). Safety meeting. Clear and still, 54° F. Douf and I discuss operational changes since I was last onsite.
6:15	1st truck in the Loading Zone (LZ) (51)
6:25	1st truck covered and out (C&O). 2nd truck in LZ (41). 3rd truck in the Lining Area (LA)
6:35	2nd truck C&O. 3rd truck in the LZ (46). 4th truck in the LA
6:47	3rd truck C&O. 4th truck C&O (9519). 5th truck in LA
6:58	4th Truck C&O. 5th truck in the LZ (22). 6th truck in the LA
7:08	5th truck C&O. 6th truck in the LZ (20)
7:15	6th truck C&O.
7:19	An HME employee power sweeps the black top. Another employee performs maintenance on the transfer tarp. No trucks in LA.
7:26	Sweeping stops. No trucks in LA.
7:40	7th truck in the LA
7:50	7th truck in the LZ (51)
8:05	7th truck C&O. 8th truck in the LA
8:12	8th truck in the LZ (46). 9th truck in the LA
8:19	Truck #13 arrives with a truck and PUP of course drying material
8:21	8th truck C&O. 9th truck in the LZ (41). 10th truck in the LA.
8:26	Truck #13 unloads the PUP with drying agent
8:30	9th truck C&O. 10th truck in the LZ (9519). 11th truck in the LA (22)
8:40	10th truck C&O. 11th truck in the LZ (22). 12th truck in the LA. Truck #13 unloads truck of coarse drying agent.
8:45	13th truck in the LA. Truck #19arrives with a load of course drying agent.
8:52	11th truck C&O. 12th truck in the LZ (20)
8:55	Truck #19 unloads PUP of drying agent
8:58	12th truck C&O. 13th truck in the LZ (13)
9:07	Truck #19 unloads truck of course drying agent. 14th truck in the LA (51.)
9:14	13th truck C&O.
9:17	14th truck in the LZ (51.)
9:28	14th truck C&O.
9:30	Doug Larsen leaves site. Employees sweep the transfer area. 15th truck in the LA.
9:40	15th truck in the LZ (46.) Doug Larsen returns to site.
9:48	15th truck C&O. Doug Larsen leaves the site.
9:50	16th truck in the LA.
10:05	16th truck in the LZ (41.) 17th truck in the LA.
10:15	16th truck C&O.
10:19	17th truck in the LZ (9519.) 18th truck in the LA
10:24	Doug Larsen returns to site.
10:30	17th truck C&O. 18th truck in the LZ (22.) 19th truck in the LA
10:40	18th truck C&O. 19th truck in the LZ (20.) 20th truck in the LA
10:50	19th truck C&O. 20th truck in the LZ (13.) 21st truck in the LA
11:08	20th truck C&O. 21st truck in the LZ (51.) 22nd truck in the LA
11:18	21st truck C&O. 22nd truck in the LZ (46.)
11:26	22nd truck C&O
11:28	Spoke with Doug Larsen about the days progress.
11:40	23rd truck in the LA
11:50	23rd truck in the LZ (41.)

12:00 23rd truck C&O. 24th truck in the LA
12:05 Fuel tanker arrives to fill the track hoe
12:10 Tanker leaves. 24th truck in the LZ (22.) 25th truck in the LA
12:23 24th truck C&O. 25th truck in the LZ (9519.) 26th truck in the LA
12:32 25th truck C&O. 26th truck in the LZ (20.) 27th truck in the LA
12:45 26th truck C&O. 27th truck in the LZ (51.) 28th truck in the LA
13:05 27th truck C&O. 28th truck in the LZ (8.) 29th truck in the LA
13:15 28th truck C&O. 29th truck in the LZ (46.) 30th truck in the LA
13:30 29th truck C&O. 30th truck in the LZ (41.) 31st truck in the LA
13:42 30th truck C&O.
13:45 31st truck in the LZ (22.)
13:50 32nd truck in the LA
13:56 31st truck C&O. Sweeper run on the transfer area. Increasing wind.
14:09 32nd truck in the LZ (20.) 33rd truck in the LA
14:15 32nd truck C&O.
14:25 33rd truck in the LZ (9519). 34th truck in the LA. Site pictures taken.
14:32 33rd truck C&O. 34th truck in the LZ (51.)
14:40 34th truck C&O. 35th truck in the LA.
14:55 35th truck in the LZ (46.)
15:05 35th truck C&O. Site shutdown and cleanup begin including a full site power sweeping.
15:20 Sweeping complete.
15:35 Doug Larsen and crane crew leave for the day.

Nathan Soccorsy	Rick Schwarz
Resident Engineer	Project Engineer

HME
CRANEWORK & DREDGING

DAILY QUALITY CONTROL REPORT

Daily Report No. 13 Date: 9/3/08 - wed

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
5	operators		HME	Derrick crew - off load spoils at The Dalles
6	Tk Drivers		HME Contract	Haul spoils to land fill from the Dalles
1	Laborer		" "	Line Dump Trks in off load area
1	operator		" "	Run Excavator - load spoils on barge

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

Plant/Equipment	Date of Arrival/Departure	Date of Safety Check	Hours Used	Hours Idle	Hours Repair
Sea Vulture	0600	9/3			
Excavator	0600	9/3			
6 Dump Trks	0600	9/3			
[illegible]	0630	9/3			
Barge	0500	9/3			

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

ALP loading Barge #6 - Rockport - (2nd Day) 2 Truck & Trailers from Corpus and Dripping Aggregate. No water hauled out

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).

None

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

9/3/08
Date

Daily Inspection Checklist

Date 9/3/08 - WED

1) Safety Meeting: Agenda: New procedure for Lining Trucks - Trucks won't move until personel are out of Beds & clear

Attendees:

Tim Harvey

Derrick SEAHORSE ☐

Derrick Sea Vulture ☑

2) Crane Inspection: ☑ "Attach Operator Log/Inspection Log"

3) Plant Inspection ☑

Deficiencies:	Date	Date Corrected
Replace shackle on side wires To Barge 34 stretched By Tug on last barge change	9/3/08	9/3/08

4) Staff Gage Check ☒ N/A

Time	Tideboard	Tide Track

5) Main Fuel Tank Levels ☑

	Port	Starboard
Height		
Gallons		
Consumption per day	35gal	

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 230gal TODAY #2 None shipped

4945 gallon on Barge

12) De con Stations

Clean ☐ ✓

Inventory ☐ ✓

HICKEY MARINE ENTERPRISES, INC.

PORT OF PORTLAND T-4

DATE 09/03/08

DATE	TICKET #	MATERIAL	WEIGHT
9/3/2008	13652	SPEC-OTH	34.60
9/3/2008	13653	SPEC-OTH	32.99
9/3/2008	13655	SPEC-OTH	33.48
9/3/2008	13659	SPEC-OTH	28.98
9/3/2008	13660	SPEC-OTH	35.00
9/3/2008	13661	SPEC-OTH	33.62
9/3/2008	13670	SPEC-OTH	33.87
9/3/2008	13672	SPEC-OTH	34.21
9/3/2008	13674	SPEC-OTH	34.34
9/3/2008	13675	SPEC-OTH	31.99
9/3/2008	13677	SPEC-OTH	33.78
9/3/2008	13679	SPEC-OTH	32.88
9/3/2008	13680	SPEC-OTH	35.72
9/3/2008	13684	SPEC-OTH	34.78
9/3/2008	13687	SPEC-OTH	34.09
9/3/2008	13693	SPEC-OTH	33.67
9/3/2008	13699	SPEC-OTH	30.54
9/3/2008	13700	SPEC-OTH	34.68
9/3/2008	13701	SPEC-OTH	32.95
9/3/2008	13703	SPEC-OTH	34.63
9/3/2008	13705	SPEC-OTH	35.26
9/3/2008	13708	SPEC-OTH	32.57
9/3/2008	13715	SPEC-OTH	33.92
9/3/2008	13719	SPEC-OTH	36.46
9/3/2008	13723	SPEC-OTH	29.77
9/3/2008	13726	SPEC-OTH	33.68
9/3/2008	13729	SPEC-OTH	33.24
9/3/2008	13731	SPEC-OTH	33.33
9/3/2008	13733	SPEC-OTH	33.77
9/3/2008	13738	SPEC-OTH	32.58
9/3/2008	13741	SPEC-OTH	33.53
9/3/2008	13745	SPEC-OTH	32.61
9/3/2008	13749	SPEC-OTH	29.84
9/3/2008	13750	SPEC-OTH	34.20
9/3/2008	13756	SPEC-OTH	30.95
total Tons			1166.51

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

FOREMAN'S DAILY TIME REPORT

DATE 9-3 20 08 | M | T | W | TH | F | S | S |

OR. X WA.

Description Of Work	T-4 offload						
JOB #							
PHASE							

TOTAL MAN HOURS

EMPLOYEE NAME	ST	OT	ST	OT	ST	OT	ST	OT	ST	OT	ST	OT	ST	OT	COMBINED
Doug Larsen	8	2													
Brett Giannella	8	2													
Darrel Ivie	8	2													
Justin Bay	8	2													
Dennis Forsberg	8	2													
DAILY TOTALS															

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

Form #1

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

CRANEWORK & DREDGING

M	T	W	TH	F	S	S

Job Name T4 Overhead Dollar Date 9-3-08

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 Backpack [illegible]

Equipment Safety Checks Performed? Yes / No

Personal Protective Equipment Safety Checks Performed ? Yes / No

Work performed today

0545 - 0600 Safety Meeting
0600 - 0630 Tier up
0630 - 1515 Load Dump
1515 - 1530 Finish Backpack Sewer, Eof
1530 - 1545 Sewer Backpack Rpt
1545 - 1600 Sewer [illegible]

Extra work or delays (authorized by)

Sign _____

Form #3

Project: T-4 Offload Date: 9-3-08

Gallons of Diesel used 35 gallons

Barge Displacements

Start of Shift (Water Tank 20") Time: 0615

Load # 6 (Barge Name)	Drafts		Tonnage
Load #6 Reedsport	3.2	3.2	
	10.3	10.3	

End of Shift (Water Tank 22") Time: 0 1540

Load # 6 (Barge Name)	Drafts		Tonnage
Load #6 Reedsport	3.5	3.4	
	3.5	3.4	

# of Gallons of water pumped

230 today

Total Tons Offloaded 1166.51

ANCHOR ENVIRONMENTAL, L.L.C.

Daily Construction Report Number: 14

Work Hours: 6:00 to 16:35

Project Number: 050332-01 Day: Wednesday Date: 9/4/08

Weather AM: Clear, still L: 55 °F PM: Clear Windy H: 84 °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:

Item Description	Quantity Today	√	Remarks
Drying agent delivered (truckload)	4.5		Truck and pup (4 loads), Truck only (1 load)
Sediment transported to landfill (truck/pup load)	34		Truck and pup
Water removed from tank on barge	0		Vacuum truck
Fuel delivery	1		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.

Nathan Soccorsy
Resident Engineer

Rick Schwarz
Project Engineer

5:45	Safety meeting (Doug Larsen, HME, West Coast Marine Cleaning). Safety meeting. Doug discussed insuring that the locking pins are tightened down on the truck gates. Clear and still, 55° F.
6:00	1st truck in the Lining Area (LA) (51)
6:05	Workers begin preparation for the change of sediment barges. Final Reedsport sediment loaded into box.
6:10	New barge, the Chetco, arrives on-site.
6:30	New barge in place. Pictures taken of changeout.
6:40	1st truck in the Loading Zone (LZ) (51). 2nd truck in the LA
6:54	1st truck Covered and Out (C&O.) 2nd truck in the LZ (41)
6:56	3rd truck in the LA
7:04	2nd truck C&O.
7:15	3rd truck in the LZ (46). First load from the Chetco. 4th truck in the LA
7:25	3rd truck C&O. 4th truck in the LZ (22.) 5th truck in the LA
7:40	4th truck C&O. 5th truck in the LZ (9519.) 6th truck in the LA.
7:51	5th truck C&O. 6th truck in the LZ (20.)
8:00	6th truck C&O. Employees power sweep the transfer area.
8:11	7th truck in the LA.
8:16	Finish sweeping.
8:17	Truck #13 arrives with a load of white coarse drying agent (DA).
8:22	Truck #13 unloads PUP. Truck #51 arrives with a truck load of white coarse DA, no PUP load.
8:25	7th truck in the LZ (41)
8:35	Truck #13 dumps truck of DA. 7th truck C&O.
8:46	8th truck in LA. Truck #51 unloads truck of DA.
9:00	Truck # 19 arrives with load of white coarse DA and immediately dumps PUP.
9:10	8th truck in the LZ (46.) 9th truck in the LA.
9:14	Truck #19 dumps truck load of DA
9:20	8th truck C&O. 9th truck in the LZ (22.) 10th truck in the LA
9:31	9th truck C&O. 10th truck in the LZ (51.) 11th truck in the LA
9:42	10th truck C&O. 11th truck in the LZ (9519.) 12th truck in the LA
9:52	11th truck C&O. 12th truck in the LZ (20.)
10:03	12th truck C&O. 13th truck in the LZ (41.) Employees power sweep transfer area and blacktop.
10:17	Sweeping complete. 13th truck in the LZ (41.)
10:24	14th truck in the LA
10:30	13th truck C&O
10:40	14th truck in the LZ (46.) 15th truck in the LA
10:52	14th truck C&O
10:55	15th truck in the LZ (22.) 16th truck in the LA
11:10	15th truck C&O. 16th truck in the LZ (51.) 17th truck in the LA
11:17	16th truck C&O. 17th truck in the LZ (20.) 18th truck in the LA
11:45	19th truck C&O. 18th truck in the LZ (9519.) 19th truck in the LA
11:55	18th truck C&O. There is a problem with the second line on the barge bucket retractor.
12:00	19th truck in the LZ (41.) 20th truck in the LA. Weather 80 degrees, calm and partly cloudy.
12:25	19th truck C&O. 20th truck in the LZ (46.)21st truck in the LA

12:36 Fuel truck on-site for the track hoe. 20th truck C&O

12:42 Fuel tanker leaves. 21st truck in the LZ (22.) 22nd truck in the LA. Doug Larsen leaves site.

13:08 21st truck C&O. 22nd truck in the LZ (51.) 23rd truck in the LA

13:22 22nd truck C&O. 23rd truck in the LZ (20.) 24th truck in the LA

13:30 Truck #13 delivers a load old of white coarse DA

13:36 23rd truck C&O. 24th truck in the LZ (9519.)

13:45 Truck #13 unloads PUP

13:49 24th truck C&O. 25th truck in the LA

13:58 Truck #13 unloads truck load. 25th truck in the LZ (41.) 26th truck in the LA

14:08 25th truck C&O. Truck # 19 arrives with a load of coarse white DA. 26th truck in the LZ (46.)

14:20 Truck #19 unloads PUP of DA. 27th truck in the LA

14:22 26th truck C&O. Employees power sweep the transfer area

14:30 Sweeping completed

14:33 Truck #19 unloads truck load of DA

14:40 27th truck in the LZ (22.) 28th truck in the LA

14:50 27th truck C&O. 28th in the LZ (51.) 29th truck in the LA

15:00 28th truck C&O

15:03 Doug Larsen returns to site

15:05 29th truck in the LZ (19.) 30th truck in the LA

15:20 29th truck C&O. 30th truck in the LZ (20.) 31st truck in the LA

15:30 30th truck C&O. 31st truck in the LZ (9519.) 32nd truck in the LA

15:40 31st truck C&O. 32nd truck in the LZ (41.)

15:58 32nd C&O

16:00 33rd in the LA

16:05 33rd in the LZ (22.) 34th in the LA

16:15 33rd truck C&O. 34th truck in the LZ (51.)

16:25 34th truck C&O. Site clean up begins

16:35 Site cleanup complete. Doug Larsen indicates that the issue with the barge bucket (second line on the barge bucket retractor noted at 11:55) is resolved. He and crew leave site for the day.

Nathan Soccorsy	Rick Schwarz
Resident Engineer	Project Engineer

HME
CRANEWORK & DREDGING

DAILY QUALITY CONTROL REPORT

Daily Report No. 14 Date: 9/4/08 - Thurs

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
5	operators		HME	The Dalles - off load Barges To Ecology Box
6	T&K Drivers		D&R Dietrich	haul spoils To Landfill from The Dalles
1	operator		" " "	Load spoils in Trucks at The Dalles
1	laborer		" " "	Line T&K Beds at The Dalles

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

Plant/Equipment	Date of Arrival/Departure	Date of Safety Check	Hours Used	Hours Idle	Hours Repair
Sea Vulture	0600	9/4	11		
6 Dump Trucks	0600	9/4			
1 excavator	0600	9/4	11		
1 sweeper	0600	9/4	2		
1 loader	0600	9/4	2		

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

Barge #7-Cheteo Arrive at starting Time - switch out & off loading. not much water but very loose mud

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).

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

9/4/08
Date

T-4/ The Dalles Offload Site
Daily Inspection Checklist

Date 9/4/08 - Thurs

1) Safety Meeting: Agenda: Every DAY safety - look around you-at others- keep an eye out for them as well as you

Attendees:

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	Sideboard	Side Track

5) Main Fuel Tank Levels ☐ Port Starboard

Height

Gallons

Consumption per day

6) Survey Boat ☐ Hull Depth _____ Boat

Fuel ☐ Sound Velocity _____ X _____

Latency _____ Y _____

Port _____

Starboard _____

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: Draft PB _____ SB _____

Keep within 2 ft of trim PS _____ SS _____

Tank Sounding #1 _____ #3 _____

#2 _____ #4 _____

11) Baker Tank Level #1 2875 pumped into TANK #2 None 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

CRANEWORK & DREDGING

M	T	W	TH	F	S	S

Job Name [illegible] Date 9-4-08

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 - Bobcat

Equipment Safety Checks Performed? Yes / No

Personal Protective Equipment Safety Checks Performed ? Yes / No

Work performed today

0700 - 0800 Safety meeting
0800 - 0815 Pre-op
0815 - 0900 mob Barge Switch Backhoe for chetco
0900 - 0930 Dump Washer mix mud
0930 - 1600 Load Trucks
1600 - 1630 [illegible]

Extra work or delays (authorized by)

Sign _____

Form #3

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

FOREMAN'S DAILY TIME REPORT

DATE 9-4 20 08 | M | T | W | TH. | F | S | S |

OR. X WA.

Description Of Work	T-4 Oil Spill														
JOB #															
PHASE															

EMPLOYEE NAME	ST	OT	ST	OT	ST	OT	ST	OT	ST	OT	ST	OT	ST	OT	TOTAL MAN HOURS COMBINED
Doug Larsen	8	3													
Brett Olanella	8	3													
Darrel Ivie	8	3													
Justin Bay	8	3													
Dennis Forsberg	5														
DAILY TOTALS															

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

Form #1

MIKKEY MARINE ENTERPRISES, INC.

PORT OF PORTLAND T.A

DATE: 10/6/08

DATE	TICKET #	MATERIAL	WEIGHT
9/4/2008	13771	SPEC-OTH	33.44
9/4/2008	13769	SPEC-OTH	33.23
9/4/2008	13776	SPEC-OTH	33.44
9/4/2008	13781	SPEC-OTH	35.21
9/4/2008	13783	SPEC-OTH	27.92
9/4/2008	13785	SPEC-OTH	33.99
9/4/2008	13788	SPEC-OTH	33.18
9/4/2008	13794	SPEC-OTH	33.60
9/4/2008	13801	SPEC-OTH	32.67
9/4/2008	13802	SPEC-OTH	34.40
9/4/2008	13803	SPEC-OTH	33.25
9/4/2008	13806	SPEC-OTH	34.14
9/4/2008	13810	SPEC-OTH	33.30
9/4/2008	13814	SPEC-OTH	32.81
9/4/2008	13816	SPEC-OTH	35.24
9/4/2008	13817	SPEC-OTH	35.01
9/4/2008	13823	SPEC-OTH	33.91
9/4/2008	13827	SPEC-OTH	31.10
9/4/2008	13829	SPEC-OTH	34.44
9/4/2008	13834	SPEC-OTH	34.47
9/4/2008	13841	SPEC-OTH	34.63
9/4/2008	13846	SPEC-OTH	33.67
9/4/2008	13847	SPEC-OTH	33.65
9/4/2008	13849	SPEC-OTH	31.78
9/4/2008	13852	SPEC-OTH	33.9
9/4/2008	13853	SPEC-OTH	32.66
9/4/2008	13856	SPEC-OTH	34.56
9/4/2008	13857	SPEC-OTH	32.64
9/4/2008	13861	SPEC-OTH	32.80
9/4/2008	13862	SPEC-OTH	34.24
9/4/2008	13863	SPEC-OTH	30.49
9/4/2008	13867	SPEC-OTH	33.47
9/4/2008	13868	SPEC-OTH	33.28
9/4/2008	13869	SPEC-OTH	34.41
TOTAL TONS			1,134.93

Project: T-4 Offload Date: 9-4-05

Gallons of Diesel used 52

Barge Displacements

Start of Shift (Water Tank 22") Time: 0610

Load # 7 (Barge Name)	Drafts		Tonnage
Load #7	10.5	10.5	
Chetco	11.7	11.7	

End of Shift (Water Tank 47") Time: 16:45

Load # 7 (Barge Name)	Drafts		Tonnage
Chetco	3.5	4	
	12	12.5	

# of Gallons of Water Pumped

2875

Total Tons Offloaded 1134.93

ANCHOR ENVIRONMENTAL, L.L.C.

Daily Construction Report Number: 15

Work Hours: 6:00 to 16:35

Project Number: 050332-01 Day: Wednesday Date: 9/5/08

Weather AM: Clear, still L: 55 °F PM: Clear Windy H: 84 °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, transfer felt change out.

Visitors:

Item Description	Quantity Today	√	Remarks
Drying agent delivered (truckload)	2		Truck and pup
Sediment transported to landfill (truck/pup load)	37		Truck and pup
Water removed from tank on barge	2		Vacuum truck
Fuel delivery	1		for track hoe

Project Number: 050332-01 Day: Wednesday Date: 9/3/08

Weather AM: Clear, still L: 54 °F PM: Clear Windy H: 83 °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:

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.

Nathan Soccorsy
Resident Engineer

Rick Schwarz
Project Engineer

5:45	Safety meeting (Doug Larsen, HME, West Coast Marine Cleaning). Safety meeting. Doug discussed clean up and general operational apperance. Clear and still, 55° F. 1st truck in the Lining Area (LA) (51)
6:05	1st truck in the Loading Zone (LZ) (51). 2nd truck in the LA
6:16	1st truck Covered and Out (C&O.) 2nd truck in the LZ (41)
6:20	3rd truck in the LA
6:36	2nd truck C&O. 3rd truck in the LZ (19). 4th truck in the LA
7:02	3rd truck C&O. 4th truck in the LZ (22.) 5th truck in the LA
7:07	Received a call from Rick Schwarz regarding the previous days report. Discussed that the analytical laboratory indicates PAHs may be elevated in two of the recent soil samples—don't feel it is attributable to offloading operations. Rick described sampling locations for taking pictures. 4th truck C&O. 5th truck in the LZ (9519.) 6th truck in the LA.
7:35	Completed taking pictures of soil sampling locations. 5th truck C&O. 6th truck in the LZ (20.)
7:40	I noticed three plops of material in driveway. I inform Doug Larsen and HME immediately cleaned them up. 7th truck in the LA.
7:50	6th truck C&O. 7th truck in the LZ (51)
7:56	Doug Larsen leaves site. 8th truck in the LA
8:05	7th truck C&O. 8th truck in the LZ (41)
8:09	9th truck in the LA
8:22	8th truck C&O. Doug Larsen returns to site. Truck #13 arrives on-site with first load of white course Drying Agent (DA).
8:32	Truck #13 dumps PUP of DA. 9th truck in the LZ (19). 10th truck in the LA.
8:45	9th truck C&O. Truck #13 dumps truck load of DA. 10th truck in the LZ (22)
8:50	11th truck in the LA
8:55	Truck #46 arrives with second load of white course DA.
9:00	10th truck C&O. 11th truck in the LZ (9519.) 12th truck in the LA. Employees power sweep blacktop
9:14	Truck #46 dumps PUP of DA. 11th truck C&O.
9:16	Sweeping of blacktop complete
9:20	12th truck in the LZ (20.) 13th truck in the LA
9:30	Truck #46 dumps truck load of DA. 12th truck C&O. Employee sweeps transfer area
9:32	The Sea Vulture flies a small front loader onto the barge Chetco. 13th truck in the LZ (51.)
9:42	13th truck C&O.
9:45	14th truck in LA
9:50	Sweeping complete
9:54	14th truck in the LZ (41.) 15th truck in the LA.
10:05	14th truck C&O.
10:09	15th truck in the LZ (19.) 16th in the LA
10:20	15th truck C&O. 16th truck in the LZ (46.) 17th truck in the LA. Doug Larsen leaves site.
10:32	16th truck C&O. 17th truck in the LZ (22.) 18th truck in the LA
10:45	17th truck C&O. 18th in the LZ (9519.) 19th in LA
10:46	Thermo fluid tanker arrives to remove water from the barge
10:50	Doug Larsen returns to site
10:53	18th truck C&O. 19th truck in the LZ (20.) 20th truck in the LA.

ANCHOR ENVIRONMENTAL, L.L.C.

Diary (continued) Date: 09/05/08 Report Number: 15

11:05 19th truck C&O. 20th truck in the LZ (51.)
11:12 Thermo Fluids tanker leaves the site
11:15 Replacement of the transfer area tarp begins. Pictures are taken through completion.
11:25 20th truck C&O.
11:30 21st truck in the LZ
11:40 21st truck in the LZ (41.) 22nd in the LA.
11:45 Transfer felt change out complete. Old felt loaded into truck 41
12:00 21st truck C&O. 22nd truck in the LZ (19.) 23rd truck in the LA
12:10 Thermo fluids tanker arrives on-site. 75 degrees and clear with a slight breeze.
12:15 22nd truck C&O. 23rd in the LZ (46.) 24th in the LA
12:25 23rd truck C&O. 24th truck in the LZ (22.) 25th truck in the LA
12:35 Thermo fluids truck leaves the site
12:45 24th truck C&O. 25th truck in the LZ (9519.) 26th truck in the LA
13:00 25th truck C&O. 26th truck in the LZ (20.) 27th truck in the LA
13:10 26th truck C&O. 27th truck in the LZ (51)
13:21 27th truck C&O.
13:25 28th truck in the LA
13:35 28th truck in the LZ (41.) 29th truck in the LA
13:37 Fuel tanker arrives to fill up track hoe
13:44 28th truck C&O.
13:51 Fuel tanker leaves the site. 29th truck in the LZ (19.) 30th truck in the LA
14:05 29th truck C&O. 30th in the LZ (46.) 31st is the LA
14:12 Doug Larsen leaves site
14:20 30th truck C&O. 31st in the LZ (22.) 32nd in the LA
14:31 31st truck C&O. 32nd in the LZ (9519.) 33rd in the LA
14:40 85 degrees and clear with a breeze
14:45 32nd truck C&O. 33rd in the LZ (20.) 34th in the LA
14:55 33rd truck C&O. 34th in the LZ (51.) 35th in the LA
15:10 34th truck C&O. 35th in the LZ (41.) 36th in the LA
15:25 35th truck C&O. 36th in the LZ (19.) 37th in the LA
15:46 36th truck C&O. 37th in the LZ (46.)
16:00 37th truck C&O. Site cleanup including sweeping begins.
16:10 Cleanup complete

Nathan Soccorsy	Rick Schwarz
Resident Engineer	Project Engineer

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: 09/02/2008
Construction Activity: Berth 410 dredging
Construction Activity Times: Dredging occurred from 06:30 to 15:00
Monitoring Times: Background Parameters taken at 11:20 and at 15:45; Compliance Parameters taken from 15:10 to 15:20 and from 15:50 to 16:05
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 9/2/08 = 10.27 NTU**
*** Background Station 1 @ 11:20 = 9.0 NTU; Background Station 1 @ 15:45 = 11.8**
*** 90th Percentile value of 10.27 NTU used to calculate trigger for sampling in Round 1 from 15:00 to 15:20 since it is higher than Background Station value; Background Station value of 11.8 NTU used to calculate trigger for sampling in Round 1 from 15:50 to 16:05 since it is higher than 90th Percentile value.**
10.27 NTU + 5.0 NTU = 15.27 NTU Turbidity Trigger; 11.8 NTU + 5.0 NTU = 16.8 NTU Turbidity Trigger

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

Station ID: BG-01R Background Station Field Parameters taken at: 11:20

Water Depth (ft)		Parameters			
Depth to Bottom	70.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.01	19.43	4.9	7.23
Depth 2	35.0	7.83	19.37	5.8	7.25
Depth 3	67.0	7.72	19.37	9.0	7.26

Station ID: 410-E Early Warning Station for All Field Parameters taken at: 15:00

Water Depth (ft)		Parameters			
Depth to Bottom	40.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.09	19.65	6.0	7.23
Depth 2	20.0	7.94	19.54	6.0	7.23
Depth 3	37.0	7.90	19.44	7.1	7.25

Station ID: 410-N North Station for All Field Parameters taken at: 15:10

Water Depth (ft)		Parameters			
Depth to Bottom	40.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.61	19.72	6.6	7.23
Depth 2	20.0	8.02	19.62	5.6	7.24
Depth 3	37.0	7.93	19.44	6.5	7.22

Station ID: 410-M Middle Station for All Field Parameters taken at: 15:15

Water Depth (ft)		Parameters			
Depth to Bottom	56.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.55	19.90	6.0	7.24
Depth 2	28.0	7.97	19.65	5.7	7.24
Depth 3	53.0	7.74	19.43	10.5	7.24

Station ID: 410-S South Station for All Field Parameters taken at: 15:20

Water Depth (ft)		Parameters			
Depth to Bottom	63.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.26	19.90	4.5	7.28
Depth 2	31.5	7.80	19.40	9.0	7.22
Depth 3	60.0	7.58	19.40	21.0	7.08

Station ID: BG-01R Background Station Field Parameters taken at: 15:45					
Water Depth (ft)		Parameters			
Depth to Bottom	55.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.17	19.77	4.8	7.31
Depth 2	27.0	7.87	19.44	9.0	7.22
Depth 3	52.0	7.66	19.39	11.8	7.22
Station ID: S3M-S South Compliance Station for All Field Parameters taken at: 15:50					
Water Depth (ft)		Parameters			
Depth to Bottom	64.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.26	20.09	5.3	7.29
Depth 2	32.0	7.93	19.44	9.0	7.23
Depth 3	61.0	7.70	19.40	10.4	7.21
Station ID: S3M-M Compliance for All Field Parameters taken at: 16:00					
Water Depth (ft)		Parameters			
Depth to Bottom	57.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.58	19.98	5.3	7.28
Depth 2	28.5	8.00	19.45	7.7	7.21
Depth 3	54.0	7.72	19.39	12.9	7.19
Station ID: S3M-N Compliance for All Field Parameters taken at: 16:05					
Water Depth (ft)		Parameters			
Depth to Bottom	31.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.23	19.88	7.3	7.28
Depth 2	15.0	8.15	19.54	7.2	7.22
Depth 3	28.0	7.83	19.45	7.9	7.20

Daily Reporting Template for Laboratory Parameters

Date:	09/05/08
Time:	05:45:00 PM
On-Time Result or Update:	On Time
Construction Activity:	**Dredging Berth 410 Area**
Round of Sampling for Day (eg., 1st of 3 events):	**1st of 1 monitoring event**
Additional Comments:	**Collected on 09-02-08**
No exceedanced detected	

Apex Work Order: A809020

					Sample I.D.:					
							BG 01R C WS 080902 (Time collected: 11:30)	410 M A WS 080902 (Time collected: 16:15)	410 M B WS 080902 (Time collected: 16:20)	410 M C WS 080902 (Time collected: 16:25)
					Background Location			**Construction Location**		
Parameter	**Units**	**Acute Criterion**	**Chronic Criterion**	**Highest Background***	**Top**	**Middle**	**Bottom**	**Top**	**Middle**	**Bottom**
Conventional Parameters										
Total Suspended Solids (TSS)	mg/L	--	--	TBD			12.2	5.60	11.4	17.2
Metals[6]										
Cadmium	µg/L	0.5	0.09	TBD						
Lead	µg/L	14	0.54	TBD						
Zinc	µg/L	36	36	TBD						
Polycyclic Aromatic Hydrocarbons (PAHs)										
Naphthalene	µg/L	807	194	TBD			ND	ND	ND	ND
Acenaphthylene	µg/L	1277	307	TBD			ND	ND	ND	ND
Acenaphthene	µg/L	233	56	TBD			ND	ND	ND	ND
Fluorene	µg/L	162	39	TBD			ND	ND	ND	ND
Phenanthrene	µg/L	79	19	TBD			ND	ND	ND	ND
Anthracene	µg/L	87	21	TBD			ND	ND	ND	ND
Fluoranthene	µg/L	30	7.1	TBD			ND	ND	ND	ND
Pyrene	µg/L	42	10	TBD			ND	ND	ND	ND
Benz(a)anthracene	µg/L	9.2	2.2	TBD			ND	ND	ND	ND
Chrysene	µg/L	8.3	2.0	TBD			ND	ND	ND	ND
Benzo(b)fluoranthene	µg/L	2.8	0.68	TBD			ND	ND	ND	ND
Benzo(k)fluoranthene	µg/L	2.7	0.64	TBD			ND	ND	ND	ND
Benzo(b+k)fluoranthenes*	µg/L			TBD						
Benzo(a)pyrene	µg/L	4.0	0.96	TBD			ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	µg/L	1.2	0.28	TBD			ND	ND	ND	ND
Dibenzo(a,h)anthracene	µg/L	1.2	0.28	TBD			ND	ND	ND	ND
Benzo(g,h,i)perylene	µg/L	1.8	0.44	TBD			ND	ND	ND	ND

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: 09/03/2008
Construction Activity: Berth 410 Dredging
Construction Activity Times: Dredging occurred from 06:30 to 15:00
Monitoring Times: Background Parameters taken at 09:45; Compliance Parameters taken from 11:40 to 11:50
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 9/3/08 = 10.24 NTU**
*** Background Station 1 = 10.30 NTU**
*** Background Station value of 10.30 NTU used to calculate trigger for sampling in Round 1 since it is higher than 90th Percentile 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: 09:45

Water Depth (ft)		Parameters			
Depth to Bottom	70.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.84	19.44	5.6	7.24
Depth 2	35.0	7.70	19.45	6.1	7.28
Depth 3	67.0	7.55	19.45	10.3	7.29

Station ID: 410-E Early Warning Station for All Field Parameters taken at: 11:30

Water Depth (ft)		Parameters			
Depth to Bottom	53.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.74	19.47	3.6	7.35
Depth 2	26.5	7.72	19.43	4.2	7.74
Depth 3	50.0	7.59	19.44	15.5	7.29

Station ID: 410-N North Station for All Field Parameters taken at: 11:40

Water Depth (ft)		Parameters			
Depth to Bottom	60.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.34	19.43	6.0	7.30
Depth 2	30.0	7.78	19.43	5.0	7.29
Depth 3	57.0	7.67	19.44	6.8	7.29

Station ID: 410-M Middle Station for All Field Parameters taken at: 11:45

Water Depth (ft)		Parameters			
Depth to Bottom	67.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.36	19.61	5.0	7.31
Depth 2	35.0	7.80	19.41	5.8	7.71
Depth 3	64.0	7.61	19.44	14.0	7.28

Station ID: 410-S South Station for All Field Parameters taken at: 11:50

Water Depth (ft)		Parameters			
Depth to Bottom	68.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.42	19.62	7.3	7.31
Depth 2	34.0	7.75	19.41	8.2	7.27
Depth 3	65.0	7.58	19.43	12.5	7.20

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

Date: 09/04/2008
Construction Activity: Berth 410 Dredging
Construction Activity Times: Dredging occurred from 08:30 to 16:45
Monitoring Times: Background Parameters taken at 09:55; Compliance Parameters taken from 11:10 to 11:20
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 9/4/08 = 10.30 NTU**
*** Background Station 1 = 9.0 NTU**
*** 90th Percentile value of 10.30 NTU used to calculate trigger for sampling in Round 1 since it is higher than the Background Station value.**
10.30NTU + 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: 09:55

Water Depth (ft)		Parameters			
Depth to Bottom	72.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.18	19.45	4.8	7.20
Depth 2	36.0	8.06	19.32	4.0	7.26
Depth 3	69.0	7.98	19.27	9.0	7.27

Station ID: 410-E Early Warning Station for All Field Parameters taken at: 11:00

Water Depth (ft)		Parameters			
Depth to Bottom	40.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.65	19.44	7.2	7.29
Depth 2	20.0	7.91	19.44	6.5	7.30
Depth 3	37.0	7.84	19.44	7.6	7.28

Station ID: 410-M Middle Station for All Field Parameters taken at: 11:10

Water Depth (ft)		Parameters			
Depth to Bottom	44.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.78	19.57	4.8	7.32
Depth 2	22.0	8.08	19.38	5.5	7.30
Depth 3	41.0	7.97	19.33	8.0	7.30

Station ID: 410-N North Station for All Field Parameters taken at: 11:15

Water Depth (ft)		Parameters			
Depth to Bottom	38.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.31	19.55	5.1	7.30
Depth 2	19.0	8.07	19.35	5.6	7.29
Depth 3	35.0	8.03	19.31	7.1	7.30

Station ID: 410-S South Station for All Field Parameters taken at: 11:20

Water Depth (ft)		Parameters			
Depth to Bottom	55.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.20	19.40	7.1	7.30
Depth 2	27.5	8.01	19.37	6.9	7.30
Depth 3	52.0	7.92	19.28	7.1	7.31

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

Date: 09/05/2008
Construction Activity: Berth 410 dredging
Construction Activity Times: Dredging occurred from 06:30 to 17:05
Monitoring Times: Background Parameters taken at 10:10; Compliance Parameters taken from 10:35 to 11:20
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 9/5/08 = 10.28 NTU**
*** Background Station 1 = 10.50 NTU**
*** Background Station value of 10.5 NTU used to calculate trigger for sampling in Round 1 since it is higher than 90th Percentile value.**
10.50 NTU + 5.0 NTU = 15.50 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	68.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.19	19.35	6.4	7.31
Depth 2	34.0	8.04	19.17	9.2	7.28
Depth 3	65.0	7.98	19.15	10.5	7.28

Station ID: 410-E Early Warning Station for All Field Parameters taken at: 10:25

Water Depth (ft)		Parameters			
Depth to Bottom	48.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.06	19.42	5.7	7.31
Depth 2	24.0	7.88	19.27	11.0	7.26
Depth 3	45.0	7.71	19.28	35.3	7.24

Station ID: 410-N North Station for All Field Parameters taken at:10:35

Water Depth (ft)		Parameters			
Depth to Bottom	34.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.96	19.40	7.3	7.30
Depth 2	17.0	7.84	19.31	17.4	7.24
Depth 3	31.0	7.84	19.25	26.2	7.25

Station ID: 410-M Middle Station for All Field Parameters taken at: 10:45

Water Depth (ft)		Parameters			
Depth to Bottom	51.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.12	19.31	8.4	7.37
Depth 2	25.0	8.05	19.25	7.8	7.29
Depth 3	48.0	7.95	19.19	12.4	7.29

Station ID: 410-S South Station for All Field Parameters taken at: 10:55					
Water Depth (ft)		Parameters			
Depth to Bottom	51.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.21	19.42	7.5	7.36
Depth 2	25.0	8.07	19.23	7.0	7.28
Depth 3	48.0	7.94	19.17	11.5	7.28
Station ID: S3M-S South Compliance Station for All Field Parameters taken at: 11:00					
Water Depth (ft)		Parameters			
Depth to Bottom	56.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.26	19.44	8.3	7.37
Depth 2	28.0	8.07	19.22	8.4	7.29
Depth 3	53.0	7.93	19.16	13.2	7.27
Station ID: S3M-M Middle Compliance Station for All Field Parameters taken at: 11:10					
Water Depth (ft)		Parameters			
Depth to Bottom	58.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.14	19.44	7.6	7.31
Depth 2	29.0	8.04	19.23	8.8	7.28
Depth 3	55.0	7.94	19.18	13.4	7.28
Station ID: S3M-N North Compliance Station for All Field Parameters taken at: 11:20					
Water Depth (ft)		Parameters			
Depth to Bottom	31.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.01	19.36	10.6	7.30
Depth 2	15.0	7.95	19.33	10.3	7.26
Depth 3	28.0	8.00	19.23	9.3	7.27

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

Date: 09/06/2008
Construction Activity: Berth 410 dredging
Construction Activity Times: Dredging occurred from 06:30 to 15:30
Monitoring Times: Background Parameters taken at 10:40; Compliance Parameters taken from 11:00 to 11:20
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 9/6/08 = 10.30 NTU**
*** Background Station 1 = 8.3 NTU**
*** 90th Percentile value of 10.30 NTU used to calculate trigger for sampling in Round 1 since it is higher than the 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: 10:40

Water Depth (ft)		Parameters			
Depth to Bottom	68.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.21	19.09	4.9	7.19
Depth 2	34.0	8.23	19.02	4.7	7.26
Depth 3	65.0	8.11	19.00	8.3	7.22

Station ID: 410-E Early Warning Station for All Field Parameters taken at: 10:50

Water Depth (ft)		Parameters			
Depth to Bottom	50.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.99	19.18	11.1	7.23
Depth 2	25.0	7.99	19.12	13.0	7.22
Depth 3	47.0	7.97	19.11	15.3	7.23

Station ID: 410-M Middle Station for All Field Parameters taken at: 11:00

Water Depth (ft)		Parameters			
Depth to Bottom	57.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.98	19.24	9.3	7.24
Depth 2	28.0	8.07	19.11	5.5	7.24
Depth 3	54.0	8.05	19.05	10.2	7.24

Station ID: 410-S South Station for All Field Parameters taken at: 11:10

Water Depth (ft)		Parameters			
Depth to Bottom	64.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.04	19.24	5.3	7.26
Depth 2	32.0	8.08	19.12	5.5	7.25
Depth 3	61.0	8.05	19.04	6.9	7.25

Station ID: 410-N North Station for All Field Parameters taken at: 11:20

Water Depth (ft)		Parameters			
Depth to Bottom	42.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.12	19.19	7.4	7.27
Depth 2	21.0	7.93	19.23	9.6	7.21
Depth 3	39.0	8.01	19.10	10.5	7.22

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: 9/2/2008
Construction Activity: Offloading at The Dalles
Construction Activity Times: Offloading occurred from 06:26 to 16:30
Monitoring Times: Background Parameters taken at 11:03; Compliance Parameters from 11:25 to 12:20
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

*** Background Station 1 = 3.29 NTU**
*** 3.29 NTU + 5.0 NTU = 8.29 NTU Turbidity Trigger**

Water Velocity (fps)	**ft/s @ ft**	

Station ID: DAL-BG Background Station Field Parameters taken at: 11:03

Water Depth (ft)		Parameters			
Depth to Bottom	90	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3	10.15	19.54	2.41	7.61
Depth 2	45	10.19	19.37	3.29	7.81
Depth 3	87	9.30	19.62	2.49	7.76

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: 11:25

Water Depth (ft)		Parameters			
Depth to Bottom	25	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3	10.90	19.63	2.84	7.76
Depth 2	12	10.50	19.64	3.01	7.76
Depth 3	22	10.60	19.63	3.35	7.77

Station ID: DAL-M Compliance for All Field Parameters taken at: 11:41

Water Depth (ft)		Parameters			
Depth to Bottom	72	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3	9.20	19.61	2.74	7.76
Depth 2	36	9.92	19.57	3.06	7.78
Depth 3	69	9.80	19.56	2.65	7.77

Station ID: DAL-N Compliance for All Field Parameters taken at: 11:57

Water Depth (ft)		Parameters			
Depth to Bottom	90	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3	9.60	19.57	2.82	7.78
Depth 2	45	8.60	19.62	3.09	7.79
Depth 3	87	9.40	19.58	2.61	7.80