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September 23, 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 15 through 21, 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 15 through September 21, 2008.

SIGNIFICANT DEVELOPMENTS

- Capping activities occurred during the reporting period on September 15 through September 20, 2008. No work occurred on September 21, 2008.
- Finished placement of the Sand Layer on September 16, 2008. The diver survey was completed September 17, 2008.
- Finished placement of the Type 3 material at the Head of Slip 3 cap area on September 15, 2008
- Began placement of the Type 3 armor material at the Head of Slip 3 cap area.
- Continued shoreline stabilization work in Wheeler Bay on September 15 through 19, 2008.

CONSTRUCTION ACTIVITIES PERFORMED

Dredging and Capping

- The scow Reedsport was decontaminated September 17, 2008.
- See the attached summary table for quantities of material placed each day. Hickey placed approximately 230 tons of Sand Layer on September 16 (1,150 tons total), approximately 380 tons of Type 3 cap material at the Head of Slip 3 on September 15 (530 tons total), and 1,895 tons of Type 3 Armor material at the Head of Slip 3 on September 16, 17 and 18.
- No water quality exceedances attributable to material placement were documented during the week.

Wheeler Bay Shoreline Stabilization

- Continued grading the site.
- Finished placement of toe key and armoring.
- Placed demarcation layer from elevation 15 to 30 feet NGVD over the slope

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PROBLEMS ENCOUNTERED AND PROPOSED SOLUTIONS

Dredging and Capping

- A dead salmon floating in the SE corner of the head of Slip 3 adjacent to the capping area was identified at 13:10 September 16, 2008. The fish was discovered about 15-20 minutes after capping activities (placement of the organoclay layer) had ended, so no construction activities were occurring at the time of the discovery. The fish was an approximate 12 to18 inch hatchery fish (coho) and was in a deteriorated state indicating that the fish had been dead for a while. Additionally, one of the contractors reported seeing a dead fish out in the middle of the river earlier that morning. The water quality monitoring crew collected samples in the area the fish was found. The water samples were analyzed for DO and total sulfides. The analytical and field parameter results for September 16, 2008 are provided in Attachment D. The field parameters showed DO levels between 8.6 and 8.8 mg/L throughout the water column. The analytical results showed DO levels of 8.8 mg/L at the surface. Sulfides were non-detect with a reporting limit of 0.05 mg/L. Based on all of these factors, the Port concluded that the construction activities did not cause the fish's death and that the fish washed into the slip area long after it had died. The National Marine Fisheries Service reported that it was appropriate to dispose of the fish and it did not need to be kept.
- The Port requested that the transport of excavated material from Slip 3 (from above the pinch pile wall) to the Wasco landfill via either haul trucks loaded at Hickey's dock or barge offloaded at The Dalles. EPA approved this request on September 19, 2008.

Wheeler Bay Shoreline Stabilization

- None

MONITORING ACTIVITIES PERFORMED

Dredging and Capping

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

Wheeler Bay Shoreline Stabilization

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

SUMMARY OF MONITORING DATA COLLECTED AND RECEIVED

Dredging and Capping

- Attachment D contains a summary of the daily field parameters and chemistry analytical results for the dredging and capping activities that occurred during this reporting period. No water quality exceedances attributable to dredging or capping were documented during the week.
- No chemical criteria were exceeded during the dredging and capping activities that occurred during this reporting period.
- Monitoring frequency increased to Tier 1 when Sand Layer placement and Head of Slip 3 cap construction began, as these are new construction activities.
- On September 18, 2008, the Port requested to reduce the monitoring frequency to Tier 2 after receiving three analytical reports with results below project criteria. EPA approved

the monitoring frequency reduction on the same day. Tier 2 frequency includes collecting field parameters once per day and analytical parameters once per week.

- No offloading activities occurred during the reporting period so no water quality monitoring occurred.

Wheeler Bay Shoreline Stabilization

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

SCHEDULE OF ACTIVITIES TO BE PERFORMED DURING NEXT REPORTING PERIOD

Dredging and Capping

- Finish construction of the Head of Slip 3 cap.

Wheeler Bay Shoreline Stabilization

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

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
8-Sep-08	Reedsport	49	18,074	35	12,767	0	262,833	8.0	260.5	1.5	148.9	NA	NA	C	Berth 410 Cleanup (7 buckets)
10-Sep-08	Reedsport	73	18,147	52	12,819	0	262,833	3.0	263.5	0.3	149.3	156	17	C	Berth 414 Square Cleanup

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

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

Table 2
Offloading Facility Tracking Log

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

Table 2
Offloading Facility Tracking Log

Recorded at Transfer Station					Recorded at Landfill		Daily Total	Barge Total
Load	Date	Time Out	Truck No.	Barge	TICKET #	Tons	(tons)	(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**	
1	9/8	6:57	22	Chetco	14019	33.38		
2	9/8	7:03	9519	Chetco	14020	30.38		
3	9/8	7:23	41	Chetco	14024	34.04		
4	9/8	7:31	20	Chetco	14025	33.24		**2,392.27**
5	9/8	8:15	19	Umpqua	14033	32.72		
6	9/8	8:32	22	Umpqua	14036	34.95		
7	9/8	8:42	9519	Umpqua	14039	30.90		
8	9/8	9:02	20	Umpqua	14040	33.79		
9	9/8	9:15	41	Umpqua	14043	34.05		
10	9/8	9:26	46	Umpqua	14045	32.17		
11	9/8	9:54	19	Umpqua	14050	32.93		
12	9/8	10:24	9519	Umpqua	14057	31.54		
13	9/8	10:34	22	Umpqua	14058	33.88		
14	9/8	10:51	20	Umpqua	14062	33.67		
15	9/8	10:59	41	Umpqua	14064	34.09		
16	9/8	11:20	46	Umpqua	14065	33.53		
17	9/8	11:32	25	Umpqua	14067	30.47		
18	9/8	11:42	19	Umpqua	14070	36.00		
19	9/8	12:08	9519	Umpqua	14074	30.75		
20	9/8	12:21	22	Umpqua	14075	35.29		
21	9/8	12:40	20	Umpqua	14077	33.86		
22	9/8	12:52	41	Umpqua	14080	33.72		
23	9/8	13:07	46	Umpqua	14084	32.11		
24	9/8	13:26	25	Umpqua	14088	31.87		
25	9/8	13:43	19	Umpqua	14091	33.53		
26	9/8	13:52	9519	Umpqua	14093	30.21		
27	9/8	14:03	22	Umpqua	14095	34.19		
28	9/8	14:20	20	Umpqua	14099	34.35		
29	9/8	14:30	41	Umpqua	14102	33.85		
30	9/8	14:39	46	Umpqua	14104	32.02		
31	9/8	14:58	25	Umpqua	14108	36.32		
32	9/8	15:15	19	Umpqua	14110	32.84		
33	9/8	15:24	9519	Umpqua	14112	33.83		
34	9/8	15:41	22	Umpqua	14114	29.27	**1,123.74**	

Table 2
Offloading Facility Tracking Log

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

Table 2
Offloading Facility Tracking Log

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

Table 3
Terminal 4 Removal Action Material Placement Log Summary

Date	Material Barge	Material Wt in Tons (1)		Material Volume in CY (2)		Total Work Hours		Actual Placement Hours		Daily Placement Production Rate in cy/hr		Placement Area
		Day	Total	Day	Total	Day	Total	Day	Total	Placement Hours	Total Hrs	
12-Sep-08	RI 14	648	648	480	480	10.0	10.0	3.0	3.0	160	48	Sand Layer
13-Sep-08	RI 14	270	918	200	680							Sand Layer
	RI 15	147	1,065	109	789	8.0	18.0	2.8	5.8	112	39	Type 3 Cap material
15-Sep-08	RI 15	380	1,445	281	1,070	11.5	29.5	4.0	9.8	70	24	Type 3 Cap material
16-Sep-08	RI 14	230	1,675	170	1,240							Sand Layer
	Chetco	179	1,854	112	1,352	11.0	40.5	5.0	14.8	56	26	Type 3 Armor Placement
17-Sep-08	Chetco	1,000	2,854	625	1,977	11.0	51.5	7.5	22.3	83	57	Type 3 Armor Placement
18-Sep-08	Chetco	716	3,570	448	2,425	11.5	63.0	7.8	30.0	58	39	Type 3 Armor Placement

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

Overall Running production rate (cy/total work hours)	38.5
Overall Running production rate (cy/actual placement hours)	80.8
Running efficiency placment hours/total work hours)	48%
Sand layer in tons	1,148
Type 3 cap quantity in tons	527
Type 3 armor quantity in tons	1,895

ATTACHMENT A

DAILY CONSTRUCTION MONITORING REPORTS FOR DREDGING AND CAPPING

ANCHOR ENVIRONMENTAL, L.L.C.

Daily Construction Report Number: 25

Work Hours: 06:00 to 17:00 Sub. to

Project Number: 050332-01 Day: Monday Date: 9/15/08

Weather AM: Sunny L: 56 °F PM: Sunny H: 89 °F

Tides:

Time	Height
07:35	+2.9 CRD
09:50	+1.7 CRD

Contractor: Hickey Sub: eTrac Engineering (bathymetric surveyor)

Contractors Rep and Title: Darrell Jamieson (Project Superintendent)

Work Day Charge: _____ Day: _____ Reason: _____

Project Pictures? ☐ Yes ☐ **No** Subject: _____

Visitors: Andrew Somes (Paramatrix)

Item #	Item Description	Quantity Today	√	Remarks
1	Organoclay placement at the head of Slip 3	Approximately 2 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: 9/15/08 Report Number: 25

06:00 Onsite. Ansac Asia in berth.
06:35 Hickey moving into position in Slip 3. Seahorse derrick, lash barge with organoclay.
06:55 Boom surrounds organoclay placement area. Organoclay placement begins.
07:15 Small floating bubbles of organoclay present.
07:55 Organoclay barge approximately 1/2 full.
08:30 WQ crew currently taking early warning sample.
09:35 Organoclay placement completed. Seahorse derrick relocated to allow survey of organoclay to be performed.
09:55 HME survey underway.
11:20 Spoke with Darrell re: TAT on survey.
13:30 Hickey performing additional placement of organoclay based on survey results.
14:20 Organoclay placement completed.

Ben Hung
Resident Engineer

John Verduin
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: Mon., Sept 15, 2008 **REPORT NO.** 26

WEATHER Sunny **TEMPERATURE** L 58 H 84

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

CHRONOLOGICAL ACCOUNT OF DAY'S WORK:

(06:45-09:30) Seahorse crane/derrick with barge loaded with organoclay at head of slip 3. First bucket with oreganoclay placed on riverside of pinch pile wall bulkhead. Oreganoclay placed between top of bank stationing (lathe) sta 2+45 to sta 2+80. This is the second day HME is placing organoclay at head of slip 3.

(09:30) HME performing bathymetry survey over areas where oreganoclay was recently placed to verify that there is 18" of sectional layer within the footprint of work area (see dwg detail 1/C-6). Port has agreed to use HME bathymetry survey for acceptance for oreganoclay placement.

(12:00) Kinder Morgan loaded ship leaving B410/411. Next ship not scheduled to berth till Wed., 9-17.

(13:00) HME completed their 1st bathymetry survey and sent data to Anchor (JV) for verification. Anchor verified that there remained several areas that required HME to continue placing organoclay.

(13:20) Seahorse crane/derrick started to place oreganoclay at head of slip 3 in areas that survey showed to be less than 18".
(13:30) Spuds lifted moved towards B411

(13:45) 2nd bucket of organoclay placed adjacent to bulkhead at sta 2+75 (lathe on top of bank).

(13:50) 3rd bucket placed at sta 2+60, 10' from bulkhead

(14:00) 4th bucket of oreganoclay placed at sta 2+80,

(14:10) 5th bucket placed at sta 2+05 adjacent to bulkhead

(14:15) Spuds lifted moved towards B411
Ross Is. Delivered sand barge R1-14 and secured it to B411. No ship scheduled at Kinder Morgan till Wed. morning.

(14:25) 6th bucket placed at sta 2+05, approx. 30' from bulkhead

(14:35) Crane stopped placing oreganoclay and spent remainder of day performing bathymetry survey (2nd time)
There is no ship at berth for Kinder/Morgan and therefore, Seahorse crane/derrick and barge were able to park overnight at head of slip 3.

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

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: Mon., Sept 15, 2008 **REPORT NO.** 26

WEATHER Sunny **TEMPERATURE** L 58 H 84

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

INSPECTOR Philipp G. Bales HRS DATE 9-15-8
(signature on hardcopy)

DAILY REPORT OF OPERATIONS:

CONTRACT NO:

TO: P.O.P.	CONTRACTOR: HME	DATE(S) 9/15/08	REPORT NO: 25 CONTRACT DAY: 34

PROJECT AND BAR	NAME: Terminal 4 Removal Action	AUTHORIZED DIMENSIONS: 120 x 40	WIDTH: 8' x 24' cells	DEPTH: 1.5 Fill
	LOCATION: (include station no.) Head of Slip (Type 3 placement)		OVERDEPTH: .5	
DREDGE	NAME & TYPE: Sea Horse Drevo	SIZE: 135 Tow	DIPPER OR BUCKET:	
	HORSEPOWER OF 900		10 CY.CAP.	

NUMBER OF CREW MEMBERS				WORK SCHEDULE	
Dredge: 4	Shore:	Other: 1	Total: 5	Shifts per day: 1	Days per week: 5

CHANNEL CONDITION	AVERAGE	BEFORE DREDGING	AFTER DREDGING	MINIMUM	BEFORE DREDGING	AFTER DREDGING

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

WORK PERFORMED		
AVERAGE WIDTH OF CUT	FEET	24
TOTAL ADVANCE THIS PERIOD	FEET	27 cells
TOTAL ADVANCE PREVIOUS TO THIS PERIOD	FEET	
TOTAL ADVANCE TO DATE	FEET	
WATER PUMPED THIS PERIOD	GALLONS	
WATER PUMPED PREVIOUS TO THIS PERIOD	GALLONS	
TOTAL WATER PUMPED TO DATE	GALLONS	
AVERAGE CAPPED PER HOUR	CU. YD	73
SCOWS LOADED	NUMBER	
AVERAGE LOAD PER SCOW	CU. YD	

CUBIC YARDS REMOVED	
AMOUNT CAPPED THIS PERIOD	Type 3 organoclay
(1) GROSS (computed amount)	380 Tow
(2) CREDITED (pay place)	292 cu yds
AMOUNT PREVIOUSLY REPORTED:	
(1) GROSS (computed amount)	147 Tow
(2) CREDITED (pay place)	113 cu yds
AMOUNT CAPPED TO DATE	
(1) GROSS (computed amount)	527 Tow
(2) CREDITED (pay place)	405 cu yds

ATTENDANT PLANT		
ITEM	NAME OR NUMBER	HOURS
Material Barge	RI 15	11.5
Tug	Husky	11.5
Survey Boat	Piggy	11.5

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
CAPPING	4	
NON-EFFECTIVE WORKING TIME		
HANDLING ANCHOR LINES		
WAITING FOR SCOWS		
TO AND FROM WARF OR ANCHORAGE		
CHANGING LOCATION OF PLANT ON JOB	1	
LOSS DUE TO OPPOSING NATURAL ELEM.		
LOSS DUE TO PASSING VESSELS		
SHORE LINE AND SHORE WORK		
MINOR OPER. REPAIRS (explain below)	3	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~~ Survey	2	45
TOTAL NON-EFFECTIVE WORKING TIME	7	30
TOTAL EFFECTIVE AND NON-EFFECTIVE TIME (chargeable to cost of work)	11	30
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 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 9/15/08

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 RI 15, SEA HORSE, HUSKY

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

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

Work performed today

06:00 - 6:45	MOVE DREDGE from Berth 408 to 411 HEAD OF SLIP
6:45 - 7:00	SAFETY MEETING
7:00 - 9:45	Fill REMAINING CELLS with ORGANO clay
9:45 - 10:00	MOVE out FOR SURVEY
10:00 - 11:15	SURVEY - GREASE 40 ke fittings Boom and Gantry
11:15 - 13:15	PROCESS SURVEY - Spot AT HEAD OF SLIP
13:15 - 14:30	PLACE ORGANO clay in low Spots
14:30 - 16:00	RE - SURVEY
16:00 - 17:30	PROCESS SURVEY - Run to Dock - SECURE

Extra work or delays (authorized by)

Sign

Form #3

T-4/ The Dalles Offload Site
Daily Inspection Checklist

Date 9/15/08

1) Safety Meeting: Agenda: USE WORK BOATS FOR MOVING DREDGE SIDE to SIDE. USE HARNESS TO GREASE BOOM TIP.

Attendees:

DARRELL JAMIESON
PHIL STACEY
ALOCIUS JARVIS
JUSTIN BAY

Derrick SEAHORSE ☑

Derrick Sea Vulture ☐

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

3) Plant Inspection ☑

Deficiencies:	Date	Date Corrected
Repair crane side door	9/13	
Re line 3-Drum Brakes	9/15	
Wire Deck winch lights	9/15	

4) Staff Gage Check ☑

Time	Tideboard	Tide Track
7:30	3.2	3.25
11:00	.7	.72
14:00	.3	.33

5) Main Fuel Tank Levels ☐

	Port	Starboard
Height	42.5	NA
Gallons	4250	
Consumption per day	150	

6) Survey Boat ☑

Fuel ☑

Port 1/2

Starboard 1/2

Hull Depth .7

Sound Velocity 4862

Latency 0

Position Verfication

Boat #30

X 7619999.29

Y 713223.34

Control Point

X 7619999.36

Y 713223.37

ORGANIC CLAY

7) Dredge Material Weight ☑ 96.2 pounds per cubic foot

8) Dredge Boom Tip Verification

X 7619998.99

Y 713223.32

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 NA SB _____ PS _____ SS _____

Gallons Pumped Today _____

Total Gallons _____

Tank Sounding #1 _____ #3 _____ #2 _____ #4 _____

11) Baker Tank Level #1 _____ #2 _____

12) De con Stations NA

Clean ☐

Inventory ☐

13) Dust Suppression NA

Location _____ Time _____ Reading _____

Location _____ Time _____ Reading _____

Location _____ Time _____ Reading _____

Location _____ Time _____ Reading _____

Location _____ Time _____ Reading _____

Background _____

14) Material Barge

RI #15

Draft MT PB 5.5 SB 6.2 PS 4 SS 4.8

MT Tons .980

Total Tons 380

Total Yards 292

Draft LD PB 5.3 SB 8.4 PS 7.4 SS 6.7

LD Tons 1360

HME
CRANEWORK & DREDGING

DAILY QUALITY CONTROL REPORT

Daily Report No. 25 Date: 9/15/08

Contract No.

Project Title: Terminal 4 Removal Action Location: Berth 411

Weather: Temperature: 60 Min. 79 Max

1. Contractor/Subcontractors and Area of Responsibility:

NUMBER	TRADE	HOURS	EMPLOYER	LOCATION/DESCRIPTION OF WORK
4	Dredge	11.5	HME	411 Head of Slip / Capping
1	Survey	10	ETRAC	/ Progress/Final 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	9/12	9/15	4	4	3.30
R.I. #15	9/13	9/15	11.5		
Husky	9/12	9/15	11.5		
Piggy	9/12	9/15	11.5		

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

Continue placing Organoclay. Perform progress survey of complete coverage of head of slip. Results showed some low spots that

WITH Anchor's Direction WE ADDRESSED. AFTER Replacement A Final Survey was performed and processed. Results were E-mailed That Evening.

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.

Ross Island claims that 900 Ton of Organoclay was loaded onto RI #15 WE have used Approx. 527 Ton Leaving 373 Ton for behind sheet pile wall. Cross-sectioning material on barge shows 320 Ton Remaining, in which should be Ample to complete upland Area Behind sheet pile wall.

3. Offsite surveillance activities, including action taken:

Analized and E-mailed Final Survey to All parties involed

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

1. CHECK All NAV lights on Tug and Crew Boat
2. CHANGE All Burned out Deck Light Bulbs
3. Pick up All oil Soaked Diapers in Crane Engine Room
4. Replace all oil Soaked and Torn PFds.

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

Moved Derrick in the A.M. From 408 to 411. WE will be able to work the Berth without Any interference untill Tuesday Afternoon in which WE will Relocate to 408 or 414 for A Wed Early A.M. Ship Arrival.

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.

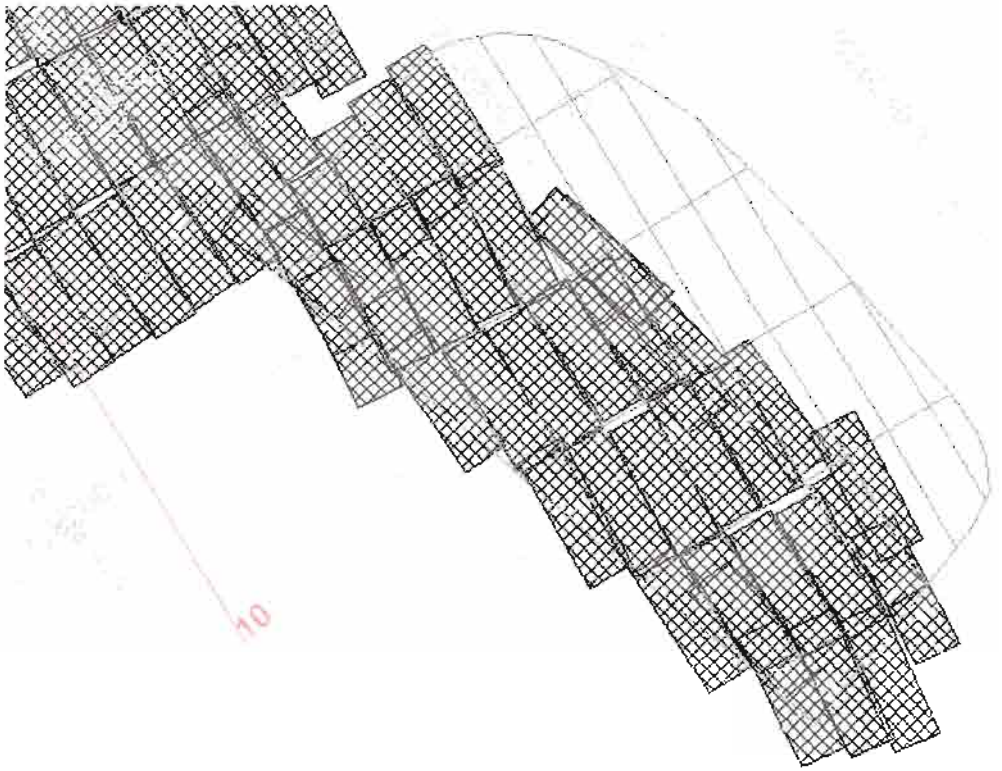
Authorized CQC Rep at Site

Date

9/16/08

Dredge T

7620460.62	713213.33	0.00	76.74	24.00	8.00	52012
7620508.36	713122.40	0.00	101.15	24.00	8.00	50559
7620504.05	713142.54	0.00	95.10	24.00	8.00	50538
7620495.25	713159.74	0.00	89.72	24.00	8.00	50522
7620499.72	713166.48	0.00	87.69	24.00	8.00	50510
7620498.62	713181.66	0.00	82.04	24.00	8.00	49892
7620499.22	713179.65	0.00	82.71	24.00	8.00	49887
7620478.91	713115.60	0.00	88.81	24.00	8.00	48485
7620471.17	713172.01	0.00	98.14	24.00	8.00	25939
7620464.20	713178.32	0.00	96.49	24.00	8.00	26209
7620478.87	713170.52	0.00	98.01	24.00	8.00	26466
7620487.28	713169.79	0.00	97.96	24.00	8.00	26793
7620494.74	713168.16	0.00	98.15	24.00	8.00	26999
7620468.55	713149.81	0.00	99.75	24.00	8.00	27891
7620475.06	713146.54	0.00	100.41	24.00	8.00	28108
7620482.97	713144.16	0.00	100.75	24.00	8.00	28341
7620491.08	713143.76	0.00	100.55	24.00	8.00	28606
7620498.54	713141.83	0.00	100.64	24.00	8.00	28861
7620471.82	713123.79	0.00	96.98	24.00	8.00	31003
7620479.90	713120.89	0.00	97.93	24.00	8.00	31285
7620487.66	713118.12	0.00	98.62	24.00	8.00	31498
7620495.66	713115.90	0.00	99.06	24.00	8.00	31998
7620503.12	713115.95	0.00	98.36	24.00	8.00	32116
7620476.78	713103.78	0.00	104.52	24.00	8.00	33584
7620484.07	713099.64	0.00	105.19	24.00	8.00	33805
7620490.55	713095.55	0.00	105.94	24.00	8.00	34004
7620502.10	713104.83	0.00	102.58	24.00	8.00	34266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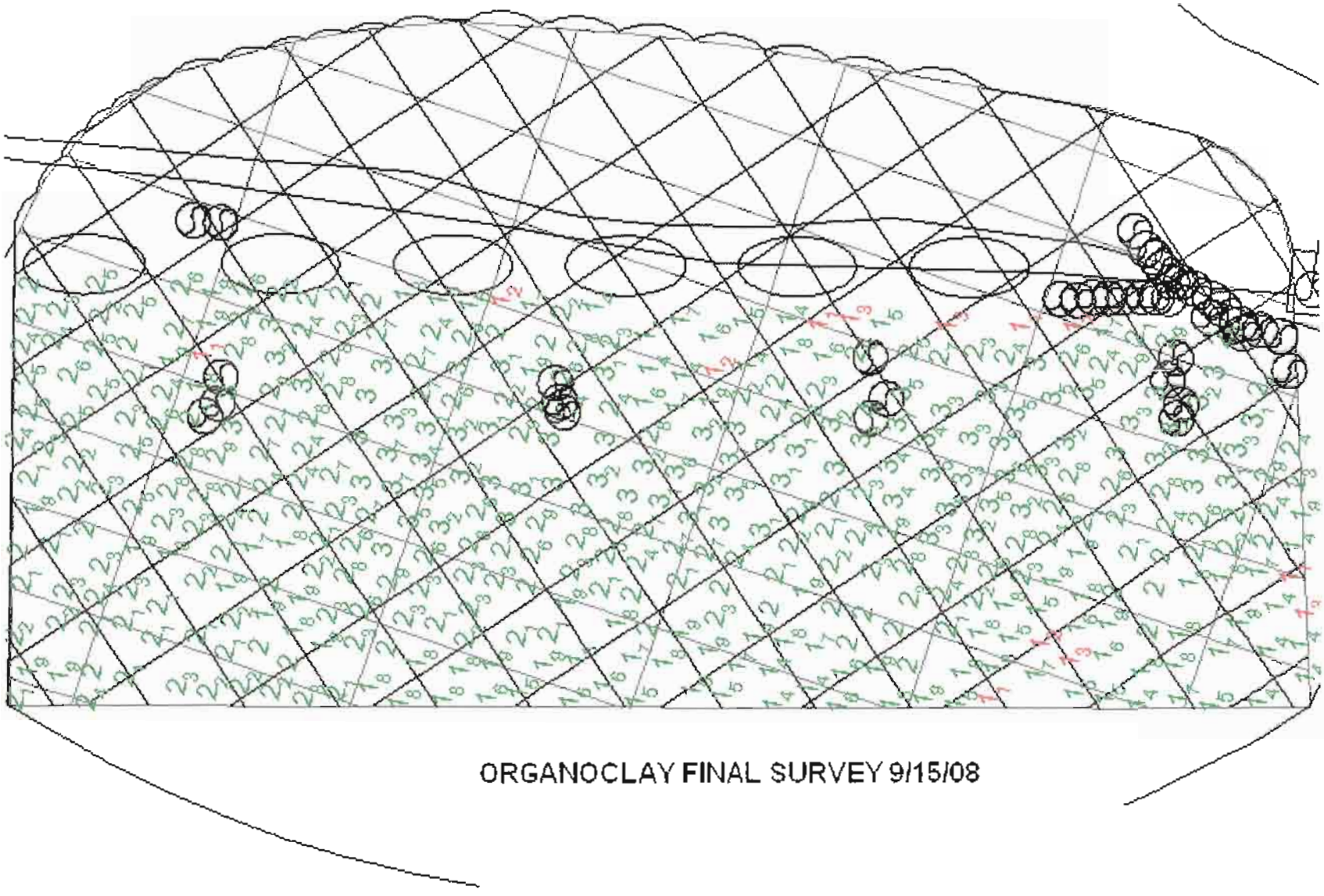


ORGANOCLAY FINAL SURVEY 9/15/08

ANCHOR ENVIRONMENTAL, L.L.C.

Daily Construction Report Number: 26

Work Hours: 06:00 to 16:00 Sub. to

Project Number: 050332-01 Day: Tuesday Date: 9/16/08

Weather AM: Light Haze L: 58 °F PM: Light Haze H: 85 °F

Tides:

Time	Height
08:43	+2.8 CRD
15:38	+1.0 CRD

Contractor: Hickey Sub: eTrac Engineering (bathymetric surveyor)

Contractors Rep and Title: Darrell Jamieson (Project Superintendent)

Work Day Charge: _____ Day: _____ Reason: _____

Project Pictures? ☑ Yes ☐ No Subject: As noted in diary.

Visitors: Andrew Somes (Paramatrix)

Item #	Item Description	Quantity Today	√	Remarks
1	Sand placement at the head of Slip 3	Approximately 2.5 hours		Quantity will be determined in morning by Darrell.
	Additional Organoclay placement at the head of Slip 3			
	Rip rap placement at the head of Slip 3	Approximately 1.5 hours		

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

See next page.

Rick Schwarz
Resident Engineer

John Verduin
Project Engineer

06:00 On-site.

06:25 Hickey moving into position adjacent to the dock at the north side of Slip 3. Seahorse derrick, lash barges with organoclay and sand.

07:25 Discuss planned activities with Greg Speyer. Placing sand at NE corner of Slip 3—area that wasn't accessible during previous sand placement due to ship in dock. After placing sand, transfer any remaining from barge RI-14 to open end of RI-15 (excess organoclay will remain in separate pile at closed end of RI-15). Then begin placing rip rap.

07:35 Mobilize 12 cy bucket for sand placement.

07:42 1st Bucket. Placing immediately adjacent to Sea Horse (photo) (will work up slope to headwall). Log of subsequent bucketloads:

Start	Bucket No.	Cycle Time (actively placing sand)	
07:46	2	50 sec	
07:49	3	63	
07:52	4	55	
07:56	5	60	
08:01	6	68	
08:05	7	52	
08:10	8	62	(At headwall, having worked up from Sea Horse location)
08:16	9	66	(photos)
08:24	10	51	(Back to placing immediately in front of Sea Horse—photo)
08:29	11	71	
08:33	12	51	
08:46	13	30	(Back to mid-cell—photos)
08:50	14	53	(video)
08:54	15	32	
08:57	16	30	
09:02	17	58	(Back at headwall)
09:09	18	52	

09:15 HME working on bucket on barge. Go to office.

10:20 Sea Horse and barges moved to south (approx center of slip near headwall). HME transferring sand from RI-14 to RI-15.

11:00 Operator rests bucket on barge and leaves crane (67° F, lt haze). Work at office. Depart for lunch approx 11:!5.

12:35 Return from lunch. HME placing bucket of organoclay. Barges RI-14 and RI-15 are gone from Slip 3. Chetco is alongside Sea Horse with load of rip rap. HME rest bucket on Se Horse and begin to detach to attach box for rip rap placement.

13:10 Andrew Somes arrive at head of Slip 3. Report that EPA wants mixing box at Transload facility pressure washed or rinsed and brushed to remove residual despite immediate follow-on use for similar sediment from Schnitzer Steel. Notice apparently dead fish in SE corner of Slip 3. Notify John Verduin and Elizabeth Appy. Request that WQM crew retrieve fish. Gabe Nagler reports that fish has clearly been dead for extended time—decay and odor). Also, fish is salmon, from hatchery. Ben Hung and Julie Fox at Slip 3 regarding sample containers (for DO and sulfide analyses) for water sample from area where fish collected.

13:47 Begin to place rip rap.

Start	Bucket No.	Cycle Time (actively placing sand)
13:47	1	27 sec (Immediately in front of Sea Horse, working from north to south)

ANCHOR ENVIRONMENTAL, L.L.C.

Diary (continued) Date: 9/16/08 Report Number: 26

13:53	2	27	(photos)
14:00	3	55	(video)
14:07	4	40	(subsequent boxes have been closer to headwall)
14:12	5	74	
14:17	6	30	
14:22	7	29	
14:28	Call from Ben Hung. HME on hold until all-clear on fish issue.		
14:40	Activity resumed.		
14:46	8	85	
14:52	9	45	
15:05	10	25	
15:15	11	4:30	Adjacent to headwall (photos)
15:26	12	2:00	
15:31	HME shutting down. Rock box stowed on Sea Horse.		
15:38	Check tide (1.0). Temperature 85° F, lt haze. Return to office.		

Rick Schwarz
Resident Engineer

John Verduin
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 16, 2008 **REPORT NO.** 27

WEATHER Sunny **TEMPERATURE** L 58 H 84

NUMBER/CLASS OF CONTRACTOR'S PERSONNEL:

Hickey Dredge Crew:
Superintendent
Crane operator
2 Deck hands

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

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

CHRONOLOGICAL ACCOUNT OF DAY'S WORK:

(08:00-10:30) Seahorse crane/derrick with barge placed remaining sand cap at B411, adjacent to slip 3 bulkhead and along face of B411.

Crane placed remaining sand from barge R1-14 to barge R1-15 that has barge only half full of oreganoclay. The two types of material are delineated on the barge by a 5' gap between the stockpiles and cones were placed on top of oreganoclay to help identify material.

(12:30) Ross Is. Tug Delivered Chetco barge loaded with armor rock. Ross Is. Tug de-mobilized empty barge R1-14 back to Ross Is yard.

(13:30) Anchor discovered a dead jack salmon (hatchery) floating at head of slip 3 and it appears to have died several days ago due to the amount of decay. Anchor salvaged dead salmon for analysis and informed EPA.
HME has not been effected by the dead fish and continues to work placing armor rock, river side head of slip 3

(16:00) HME crane stopped placing armor rock for the day and with tug moved their crane/derrick and Chetco barge out of slip 3 and secured it to berth 414.

TESTING LABORATORY ON SITE: **HRS:**

TESTS PERFORMED:

PHONE LOG:

SITE PHOTOS/VIDEOS TAKEN:

FORCE ACCOUNT WORK/ CHANGES ENCOUNTERED:

INSPECTOR Philipp G. Bales HRS DATE 9-16-8
(signature on hardcopy)

DAILY REPORT OF OPERATIONS:

CONTRACT NO:

TO:	CONTRACTOR:	DATE(S)	REPORT NO: 26
P.O.P.	H.M.E.	9/16/08	CONTRACT DAY: 35

PROJECT AND BAR	NAME: Terminal 4 Removal Action	AUTHORIZED DIMENSIONS: 120x40	WIDTH: 8'x24 cells 6'x15 cells	DEPTH: .5 sand layer 1:1 slope
	LOCATION: (include station no.) Head of Slip (sand layer) (Armor)		OVERDEPTH:	
DREDGE	NAME & TYPE: SEA HORSE DREVO	SIZE: 135 T	DIPPER OR BUCKET: 10 yd Skip Box	
	HORSEPOWER OF 900		10 yd Skip Box 10 CY.CAP.	

NUMBER OF CREW MEMBERS				WORK SCHEDULE	
Dredge: 4	Shore:	Other: 1	Total: 5	Shifts per day: 1	Days per week: 5

CHANNEL CONDITION	AVERAGE	BEFORE DREDGING	AFTER DREDGING	MINIMUM	BEFORE DREDGING	AFTER DREDGING

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

WORK PERFORMED		
AVERAGE WIDTH OF CUT	FEET	48
TOTAL ADVANCE THIS PERIOD	FEET	30 cells
TOTAL ADVANCE PREVIOUS TO THIS PERIOD	FEET	
TOTAL ADVANCE TO DATE	FEET	
WATER PUMPED THIS PERIOD	GALLONS	
WATER PUMPED PREVIOUS TO THIS PERIOD	GALLONS	
TOTAL WATER PUMPED TO DATE	GALLONS	
AVERAGE CAPPED PER HOUR	CU. YD	56.4
SCOWS LOADED	NUMBER	
AVERAGE LOAD PER SCOW	CU. YD	

CUBIC YARDS REMOVED		
AMOUNT CAPPED THIS PERIOD	Sand Layer	Armor
(1) GROSS (computed amount)	170 yds	179 Ton
(2) CREDITED (pay place)		
AMOUNT PREVIOUSLY REPORTED:		
(1) GROSS (computed amount)	680 yds	0
(2) CREDITED (pay place)		
AMOUNT CAPPED TO DATE		
(1) GROSS (computed amount)	850 yds	179 Ton
(2) CREDITED (pay place)		

DISTRIBUTION OF TIME		
EFFECTIVE WORKING TIME (chargeable to cost of work)	HOURS	MIN
CAPPING	5	
NON-EFFECTIVE WORKING TIME		
HANDLING ANCHOR LINES		
WAITING FOR SCOWS		
TO AND FROM WARF OR ANCHORAGE		
CHANGING LOCATION OF PLANT ON JOB	2	30
LOSS DUE TO OPPOSING NATURAL ELEM. Fish		20
LOSS DUE TO PASSING VESSELS		
SHORE LINE AND SHORE WORK		
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~~ Transfer Sand	1	25
TOTAL NON-EFFECTIVE WORKING TIME	6	
TOTAL EFFECTIVE AND NON-EFFECTIVE TIME (chargeable to cost of work)	11	00
LOST TIME (chargeable to cost of work)		
MAJOR REPAIRS AND ALTERATIONS:		
CESSATION:		
MISCELLANEOUS:		
TOTAL LOST TIME:		
TOTAL TIME IN PERIOD:		

ATTENDANT PLANT		
ITEM	NAME OR NUMBER	HOURS
material Barge	RI 14	7
material Barge	Chetco	4.5
tug	Husky	11
Survey Boat	Piggy	11

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

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

TITLE:	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 9/16/08

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 RI 15, RI 14, SEA HORSE, HUSKY

Equipment Safety Checks Performed? Yes / No

Personal Protective Equipment Safety Checks Performed ? Yes / No

Work performed today

06:00 - 06:30 WARM UP - SAFETY MEETING

6:30 - MOVE RI #15 to outside of RI #14. spot DREDGE

7:45 for SAND LAYER PLACEMENT. SECURE RI 14-15 ALONG SIDE.

7:45 - 10:45 PLACE REMAINING SAND LAYER (2 ROWS OF cells along Dock)

10:45 - 12:00 TRANSFER REMAINING SAND LAYER Material to RI #15

12:00 - 12:30 MOVE AND FILL ORGANOCLAY in SELECTED AREAS OF LESS COVERAGE

12:30 - 13:30 SET up to place ARMOR

13:30 - 14:20 PLACE ARMOR

14:20 - 14:40 SHUT DOWN (WQ DOAT DISCOVERS DEAD fish APPEARS to have been DEAD FOR QUITE SOME TIME)

14:40 - 15:30 RETURN TO PLACING ARMOR.

15:30 - 16:00 REPAIR AIR LINE IN LOADER

16:00 - 17:00 MOVE to 4/14 to SECURE

Extra work or delays (authorized by)

Sign

Form #3

T-4/ The Dalles Offload Site
Daily Inspection Checklist

Date 9/17/08

1) Safety Meeting: Agenda: Work together with loader operator to stay clear of each others path.

Attendees:

Darrell Jamieson
Phil Stacey
Alocius Jarvis
Justin Bay

Derrick SEAHORSE ☑

Derrick Sea Vulture ☐

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

3) Plant Inspection ☑

Deficiencies:	Date	Date Corrected
Repair crane side door	9/13	
Wire deck winch lights	9/15	9/15
Reline 3-drum brakes	9/15	

4) Staff Gage Check ☑

Time	Tideboard	Tide Track
8:00	3.4	3.45
13:15	.32	.33
15:00	.6	.62

5) Main Fuel Tank Levels ☑

	Port	Starboard
Height	41"	
Gallons	4100	
y	150	

Position Verfication

6) Survey Boat ☐

Fuel NO SURVEY ☐

Port _____

Starboard _____

Hull Depth _____

Sound Velocity _____

Latency _____

Boat

X _____

Y _____

Control Point

X _____

Y _____

ARMOR

7) Dredge Material Weight ☑ 119 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: NA

Keep within 2 ft of trim

Draft PB _____ SB _____

PS _____ SS _____

Gallons Pumped Today _____

Total Gallons _____

Tank Sounding #1 _____ #3 _____

#2 _____ #4 _____

11) Baker Tank Level #1 _____ #2 _____

12) De con Stations

Clean ☐

Inventory ☐

13) Dust Suppression

PLACE SAND LAYER

170 YDS

Total YARDS placed 850

Location _____ Time _____ Reading _____

Location _____ Time _____ Reading _____

Location _____ Time _____ Reading _____

Location _____ Time _____ Reading _____

Location _____ Time _____ Reading _____

Background _____

14) Material Barge

CHETCO ARMOR

Draft MT PB 93 SB 89 MT Tons 2716

PS 10 SS 83

Total Tons 179

Draft LD PB 96 SB 96 LD Tons 2895

PS 96 SS 96

Total Yards 119

Remaining Organoclay. Organoclay pile on barge was marked with cones so not to be confused with sand layer material. Positioned dredge for armor placement and began base layer completing 14 6x15 cells.

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.

Anchor WQ spotted dead fish near dredge. Dredge shut down for 20 minutes untill all agencies could be notified. The dead fish was not dredging related it was determined.

170 yds sand layer placed today. 850 cu yds total placed

179 Ton of armor placed today.

3. Offsite surveillance activities, including action taken:

Talk with Bruce @ KM for ship arrival coordination.

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

1. Communicate with 966 operator to stay clear of swing path
2. Clean up oil mess and soaked diapers from lube room
3. Check all grinders for guards and guard placement.

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

KM has asked us to move out of berth for ship arrivals. Pilots have been able to depart ships with dredge at head of ship. This impacts are production time up to two hour's a day.

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

9/17/08

HME
CRANEWORK & DREDGING

DAILY QUALITY CONTROL REPORT

Daily Report No. 26 Date: 9/16/08

Contract No. _____

Project Title: Terminal 4 Removal Action Location: Berth 411

Weather: Clear Temperature: 60 Min. 85 Max

1. Contractor/Subcontractors and Area of Responsibility:

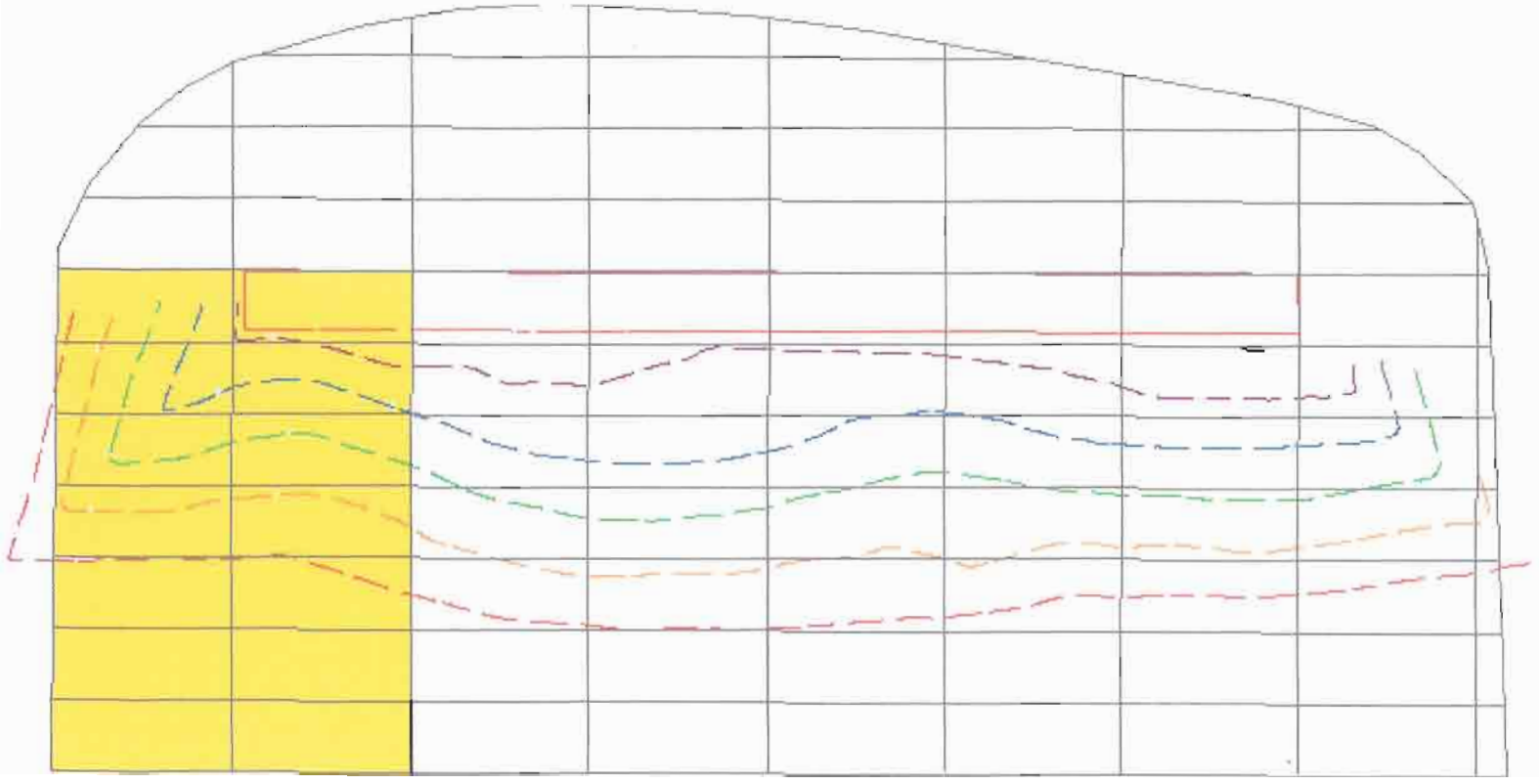
NUMBER	TRADE	HOURS	EMPLOYER	LOCATION/DESCRIPTION OF WORK
4	Dredge	11	HME	Berth 411 Head of Slip / Sand Layer - Armor
1	Survey	8	ETRAC	/ Progress Survey

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	9/12	9/16	6 30	3	1 30
Husky	9/12	9/16	11		
Piggy	9/12	9/16	11		
CHETCO	9/16	9/16	4 30		
RI 14	9/16 9/16	9/16	7		
RI 15	9/13 9/16	9/16	2		

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

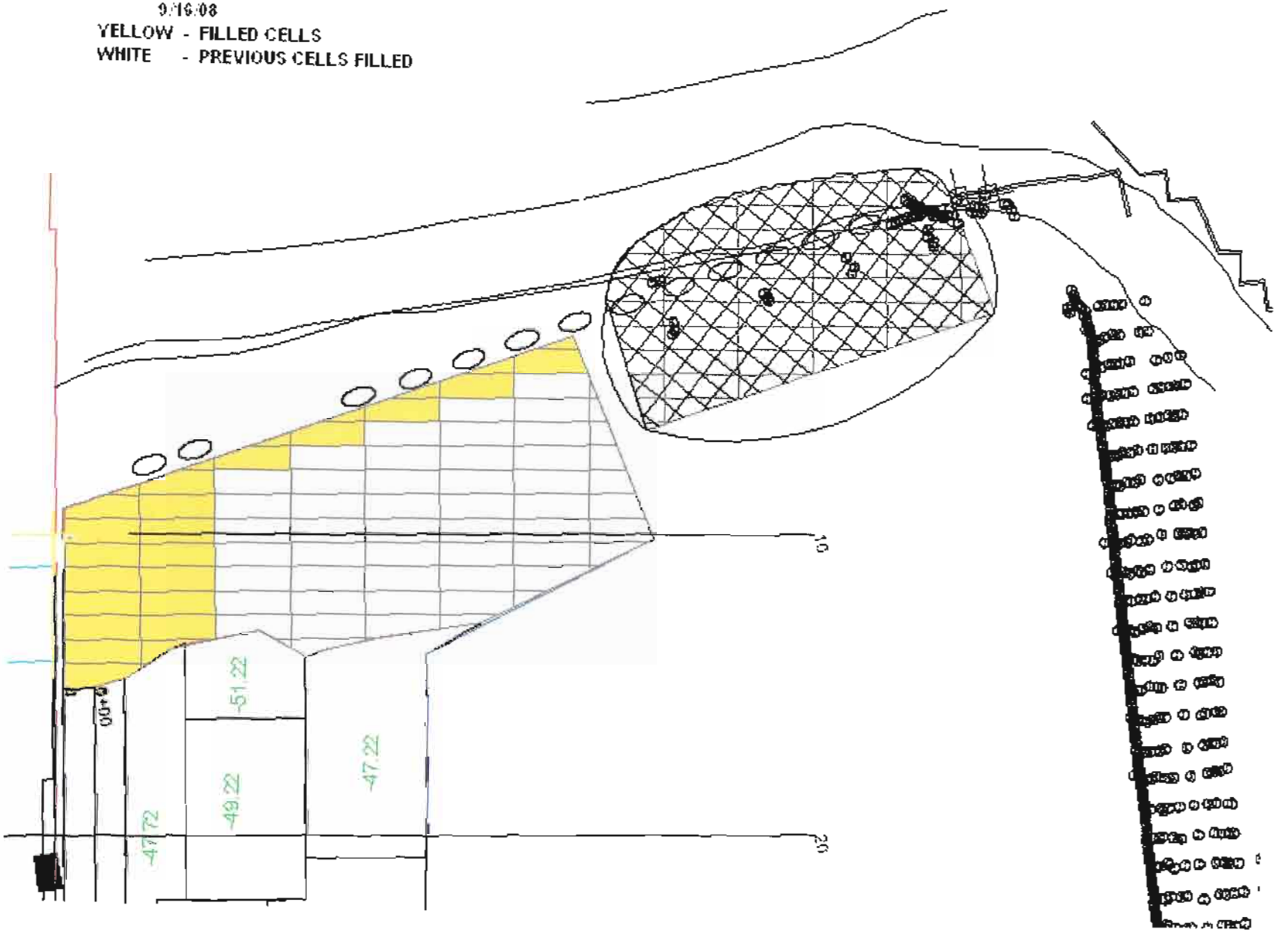
Spot Dredge and place Remaining Sand Layer Along piling and additional cell. Transfer Remaining Sand Layer (RI #14) onto (RI #15) with



Pass 1 - complete area
Pass 2 - Red contour to wall
Pass 3 - Orange contour to wall
Pass 4 - Green contour to wall
Pass 5 - Blue contour to wall
Pass 6 - Build bench to final elevation .28 crd

ARMOR PLACEMENT PROGRESS
9/16/08
YELLOW - BASE LAYER

SAND LAYER PROGRESS
9/16/08
YELLOW - FILLED CELLS
WHITE - PREVIOUS CELLS FILLED



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Dredge T

7620497.68	713202.17	0.00	81.07	15.00	6.00	56011
7620501.05	713218.53	0.00	76.99	15.00	6.00	55580
7620495.56	713217.50	0.00	76.72	15.00	6.00	55459
7620491.74	713201.74	0.00	81.14	15.00	6.00	54662
7620489.94	713216.04	0.00	76.56	15.00	6.00	54176
7620485.79	713201.31	0.00	80.99	15.00	6.00	53867
7620483.51	713214.72	0.00	76.29	15.00	6.00	53521
7620480.07	713199.81	0.00	81.19	15.00	6.00	53419
7620477.35	713214.42	0.00	76.47	15.00	6.00	52069
7620473.94	713198.31	0.00	82.19	15.00	6.00	51754
7620471.59	713213.55	0.00	76.68	15.00	6.00	51500
7620468.00	713198.96	0.00	82.40	15.00	6.00	51141
7620462.23	713196.73	0.00	82.22	15.00	6.00	50790
7620465.45	713212.13	0.00	76.73	15.00	6.00	50678
7620459.76	713209.59	0.00	77.10	15.00	6.00	50258
7620423.13	713237.27	0.00	59.46	15.00	6.00	49206
7620457.14	713401.85	0.00	91.52	24.00	8.00	32913
7620449.66	713403.85	0.00	90.59	24.00	8.00	32590
7620441.29	713404.46	0.00	90.38	24.00	8.00	32369
7620433.72	713403.88	0.00	90.23	24.00	8.00	32148
7620426.24	713408.29	0.00	88.53	24.00	8.00	31881
7620418.31	713407.89	0.00	88.49	24.00	8.00	31143
7620409.20	713406.16	0.00	89.17	24.00	8.00	30898
7620401.37	713407.11	0.00	88.72	24.00	8.00	30591
7620465.81	713368.06	0.00	99.89	24.00	8.00	30119
7620461.59	713375.39	0.00	98.14	24.00	8.00	29754
7620454.32	713378.07	0.00	97.59	24.00	8.00	29490
7620446.10	713379.42	0.00	97.51	24.00	8.00	29244
7620438.10	713378.79	0.00	98.38	24.00	8.00	28953
7620430.56	713380.97	0.00	97.96	24.00	8.00	28721
7620422.12	713380.78	0.00	98.53	24.00	8.00	28525
7620414.59	713385.65	0.00	97.26	24.00	8.00	28329
7620407.18	713385.32	0.00	97.55	24.00	8.00	28150

ANCHOR ENVIRONMENTAL, L.L.C.

Daily Construction Report Number: 27

Work Hours: 07:00 to 18:00 Sub. to

Project Number: 050332-01 Day: Wednesday Date: 09/17/08

Weather AM: Clear with smoky haze L: 64 °F PM: Sunny H: 89 °F

Tides:

Time	Height
1200	+2.4 CRD
1530	+1.5 CRD
1624	+2.0 CRD

Contractor: Hickey Sub:

Contractors Rep and Title: Darrell Jamieson (Project Superintendent)

Work Day Charge: Day: Reason:

Project Pictures? X Yes ☐ No Subject: Rip rap placement

Visitors: Andrew Somes (Parametrix); and two other Parametrix

Item #	Item Description	Quantity Today	√	Remarks
1	Rip-rap placement at the head of Slip 3	9.5 hours		Quantity will be determined in morning by Darrell.
2	Diver survey of sand capped areas	3.0 hours		

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

See next page.

Tim Stone
Resident Engineer

John Verduin
Project Engineer

ANCHOR ENVIRONMENTAL, L.L.C.

Diary (continued) Date: 9/17/08 Report Number: 27

07:00 Onsite. SAGA PIONEER in Berth 410 and 411

07:30 Hickey moving into position in Slip 3. Seahorse derrick, CHETCO barge loaded with rip-rap and a front-end loader. SEA HORSE equipped with 10 cubic yard non-mechanical (gravity-dump), open-ended bin/bucket for material distribution

07:30-08:00 Hickey making preparations to begin rip-rap placement (lift #1)

- installing sorbent boom around placement area
- NWUC in position and beginning dive inspection of sand cap area (completed at 11:30)

08:00 Hickey begins placement of rip-rap at toe of slope on northern extent of cap footprint—derrick corners located at approximately stations 1+80 and 2+20

08:00-14:00 placement of rip-rap lift#1 is ongoing

- moving southward across cap footprint
- lowering bucket to near bottom surface and distributing slowly to reduce impacts on organoclay surface
- placement rates measured at 90-100 cubic yards per hour (which includes occasional pauses in placement and movement of derrick and CHETCO barge)
- Hickey occasionally utilizing water spray to reduce dust generated by handling of rip-rap on CHETCO barge
- derrick corners at last placement pass are at approximately stations 2+50 and 2+90

14:00 begin second lift of rip-rap placement at southern extent of cap area (approx. 2+80 to 2+40)

14:00-17:15 Hickey continues placing lift #2 of rip rap

- placing rip-rap from 1-3 feet above water surface
- placement rate has increased to approximately 150 cubic yards per hour (however, this period of placement rate measurement DID NOT include pauses or downtime due to repositioning of derrick)
- placement at each “swath” location begins at toe and works shoreward towards piling wall
- water being applied to rip-rap on CHETCO (frequency should be increased) to manage dust
- final “swath” placed with derrick corners at approximately stations 1+90 and 2+30

17:15 Rip-rap placement ended

17:30 SEA HORSE derrick and CHETCO barge moved into southeast corner of Slip 3 for overnight moorage

18:00 EOD/ Anchor and Hickey off-site

Tim Stone
Resident Engineer

John Verduin
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 17, 2008 **REPORT NO.** 28

WEATHER Sunny **TEMPERATURE** L 58 H 84

NUMBER/CLASS OF CONTRACTOR'S PERSONNEL:

Hickey Dredge Crew:
Superintendent
Crane operator
2 Deck hands

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

Seahorse Crane/Derrick with Barge/Scow

CHRONOLOGICAL ACCOUNT OF DAY'S WORK:

(08:00-16:00) Seahorse crane/derrick and Chetco barge with tug relocated back inside head of slip 3 from B414 and continues to place armor rock river side of slip 3 bulkhead (see dwg detail 2/C-6)

(08:30) Project weekly meeting held at T4 admin building.
HME is planning to begin discharging the 262,000 gal of dredged waste water from their lash barge into COP sanitary sewer system starting Monday, 9-22 and will take them approx. 40 hrs to discharge load.

(09:30) Anchor hired divers to confirm sand cap at head of slip 3 adjacent to B411. Diver verified that the sand capping had been placed covering entire footprint of work area (see dwg detail 4/C5) and therefore has been accepted and will not require any additional sand placement.

(13:00) Port inspector (PGB) met with Port MFM plumber foreman (Russ) and could not verify where the shipyards lift station is that has manhole AAA914 where according to COP's discharge permit is where Port/HME has been given permission to dis-charge waste water. Port to review

(16:00) HME crane stopped placing armor rock for the day and rec'd permission by Port/Kinder Morgan to stage Seahorse crane/derrick and Chetco barge overnight inside NE corner of slip 3. HME's Seahorse crane/derrick will be de-mobilized after Friday's day shift back to HME's yard and will be replaced with HME's Seahawk and barges starting Monday, 9-22.

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

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

DAY OF WEEK & DATE: Wed., Sept 17, 2008 **REPORT NO.** 28

WEATHER Sunny **TEMPERATURE** L 58 H 84

INSPECTOR Philipp G. Bales HRS DATE 9-17-8
(signature on hardcopy)

DAILY REPORT OF OPERATIONS:

CONTRACT NO:

TO: P.O.P.	CONTRACTOR: HME	DATE(S) 9/17/08	REPORT NO: 27 CONTRACT DAY: 36

PROJECT AND BAR	NAME: TERMINAL 4 REMOVAL ACTION	AUTHORIZED DIMENSIONS: 120 x 40	WIDTH: 6' x 15' cells	DEPTH: 1:1 SLOPE
	LOCATION: (include station no.) HEAD OF SLIP (ARMOR PLACEMENT)		OVERDEPTH: —	
DREDGE	NAME & TYPE: SEA HORSE DREVO	SIZE: 135 T	DIPPER OR BUCKET: 10 yd SKIP BOX	
	HORSEPOWER OF 900		CY.CAP.	

NUMBER OF CREW MEMBERS				WORK SCHEDULE	
Dredge: 5	Shore:	Other: 1	Total: 6	Shifts per day: 1	Days per week: 5

CHANNEL CONDITION	AVERAGE	BEFORE DREDGING	AFTER DREDGING	MINIMUM	BEFORE DREDGING	AFTER DREDGING

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

WORK PERFORMED		
AVERAGE WIDTH OF CUT	FEET	30
TOTAL ADVANCE THIS PERIOD	FEET	90 cells
TOTAL ADVANCE PREVIOUS TO THIS PERIOD	FEET	
TOTAL ADVANCE TO DATE	FEET	
WATER PUMPED THIS PERIOD	GALLONS	
WATER PUMPED PREVIOUS TO THIS PERIOD	GALLONS	
TOTAL WATER PUMPED TO DATE	GALLONS	
AVERAGE DREDGED PER PUMP HOUR, GROSS	CU. YD	133 TON
SCOWS LOADED	NUMBER	
AVERAGE LOAD PER SCOW	CU. YD	

CUBIC YARDS REMOVED	
AMOUNT DREDGED THIS PERIOD:	ARMOR
(1) GROSS (computed amount)	1000 TON
(2) CREDITED (pay place)	
AMOUNT PREVIOUSLY REPORTED:	
(1) GROSS (computed amount)	179 TON
(2) CREDITED (pay place)	
AMOUNT DREDGED TO DATE:	
(1) GROSS (computed amount)	1179 TON
(2) CREDITED (pay place)	

ATTENDANT PLANT

ITEM	NAME OR NUMBER	HOURS
MATERIAL BARGE	CHETCO	11
TUG	HUSKY	11
SURVEY BOAT	PIGGY	11

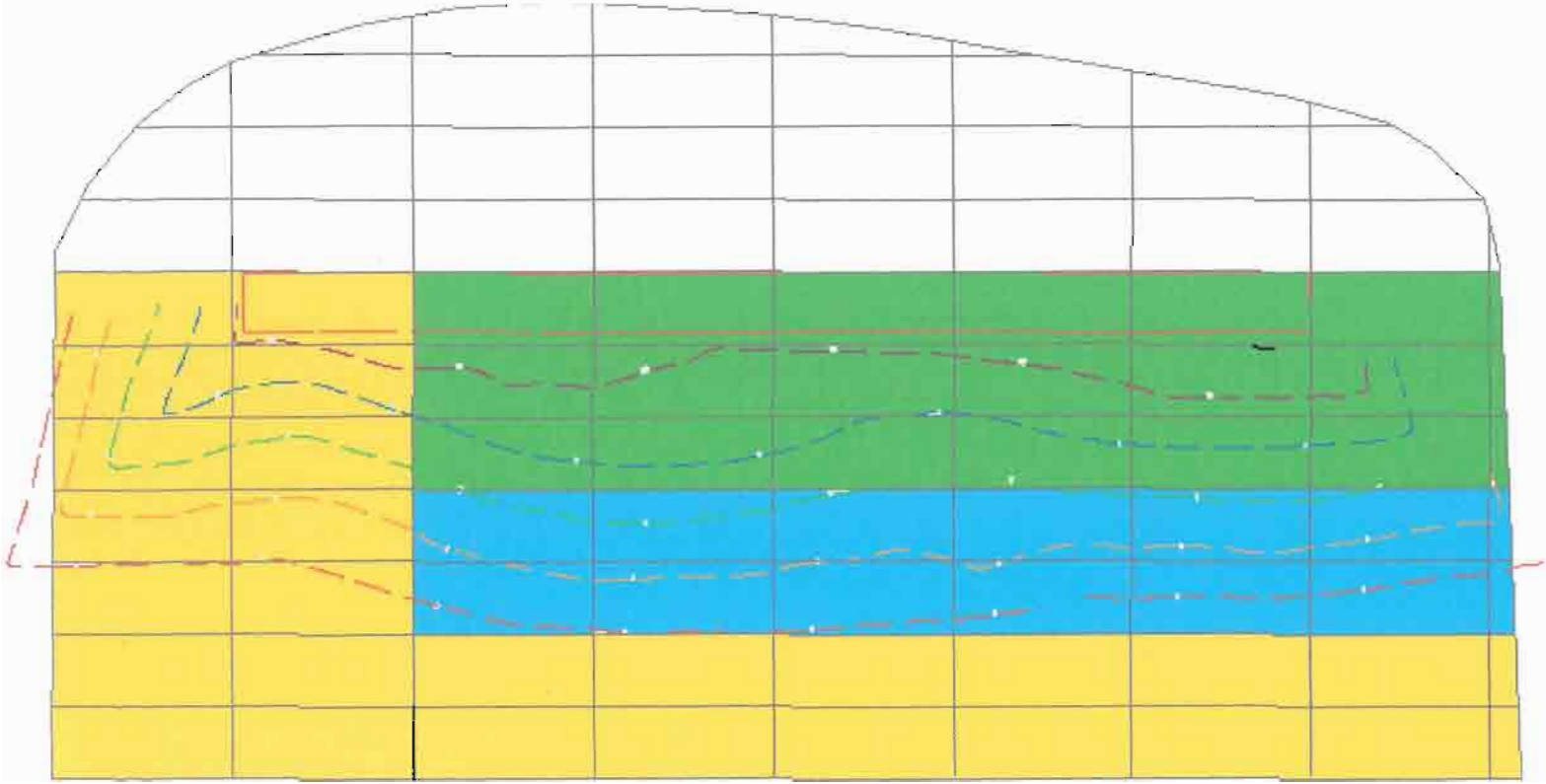
Has anything developed which might lead to a change order or claim:

DISTRIBUTION OF TIME		
EFFECTIVE WORKING TIME (chargeable to cost of work)	HOURS	MIN
DREDGING Rock Placement	7	30
NON-EFFECTIVE WORKING TIME		
HANDLING ANCHOR LINES		
WAITING FOR SCOWS		
TO AND FROM WARF OR ANCHORAGE		
CHANGING LOCATION OF PLANT ON JOB	1	15
LOSS DUE TO OPPOSING NATURAL ELEM.		
LOSS DUE TO PASSING VESSELS		
SHORE LINE AND SHORE WORK Survey		30
MINOR OPER. REPAIRS (explain below)	1	15
WAITING FOR ATTENDANT PLANT		
PREPARATION AND MAKING UP TOW		
TRANSFERRING PLAN BETWEEN WORKS		
LAY TIME OFF SHIFT AND SATURDAYS		
SUNDAYS AND HOLIDAYS		
SAFETY MEETING		30
WATER PUMPING		
TOTAL NON-EFFECTIVE WORKING TIME	3	30
TOTAL EFFECTIVE AND NON-EFFECTIVE TIME (chargeable to cost of work)	11	00
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: SUPERINTENDENT

SIGNATURE:



ARMOR PLACEMENT PROGRESS 9/17/08

YELLOW - FIRST LAYER

LT. BLUE - SECOND LAYER

GREEN - THIRD LAYER

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 9/17/08

Job No. 2428 Weather

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

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

☐ Manlift ☑ Other SEA HORSE, HUSKY

Equipment Safety Checks Performed? Yes / No

Personal Protective Equipment Safety Checks Performed ? Yes / No

Work performed today

07:00 - 7:30	SAFETY MEETING - WARM UP
7:30 - 8:00	TBL ARRIVES (SPOT AT HEAD OF SLIP FOR ARMOR PLACEMENT)
8:00 - 10:00	PLACE ARMOR
10:00 - 10:15	REPAIR LOADER
10:15 - 11:15	PLACE ARMOR
11:15 - 11:45	STANDBY FOR DIVER SURVEY OF SAND LAYER
	SURVEY HEAD OF SLIP WALL (HME)
11:45 - 17:15	PLACE ARMOR
17:15 - 18:00	SECURE, SERVICE

Extra work or delays (authorized by)

Sign

Form #3

T-4/ The Dalles Offload Site
Daily Inspection Checklist

Date 9/17/08

1) Safety Meeting: Agenda: Work with K.M. To Leave Derrick in slip, communication Between Crane and Loader Operator, Watch for Flying Rocks

Attendees:

Darrell Jamieson
Phil Stacey
Bill Labathe
Justin Bay
Alocious Jarvis

Derrick SEAHORSE ☑

Derrick Sea Vulture ☐

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

3) Plant Inspection ☑

Deficiencies:	Date	Date Corrected
Repair Crane Side Door	9/15	
Reline 3- Drum Brakes	9/15	
Replace Skiff Mooring Ropes	9/17	9/17

4) Staff Gage Check ☑

Time	Tideboard	Tide Track
7:15	4.1	4.12
10:30	2.5	2.54
14:50	0.75	1

5) Main Fuel Tank Levels ☑

	Port	Starboard
Height	39.5	NA
Gallons	3950	
Consumption per day	150	

Position Verfication

6) Survey Boat ☐ Hull Depth _____ Boat

Fuel NO SURVEY ☐ Sound Velocity _____ X _____

Latency _____ Y _____

Port ½

Starboard ½

Control Point

X _____

Y _____

ARMOR

7) Dredge Material Weight ☑ 119 pounds per cubic foot

8) Dredge Boom Tip Verification X 7619999.05

Y 713223.71

Control Point #30 X 7619999.36

Y 713223.37

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

Fabric ☐ Spill Plates ☐

10) Lash Barge: Draft PB _____ SB _____ Gallons Pumped Today _____

Keep within 2 ft of trim PS _____ SS _____

Total Gallons _____

Tank Sounding #1 _____ #3 _____

#2 _____ #4 _____

11) Baker Tank Level #1 _____ #2 _____

12) De con Stations Clean ☐

Inventory ☐

13) Dust Suppression Location _____ Time _____ Reading _____ Background

Location _____ Time _____ Reading _____ _____

Location _____ Time _____ Reading _____

Location _____ Time _____ Reading _____

Location _____ Time _____ Reading _____

14) Material Barge Draft PB 4' SB 4' MT Tons 1716 Total Tons

CHETCO MT PS 8' SS 8' 1000

Total Yards

Draft PB 9.3 SB 8.9 LD Tons 2716 625

LD PS 10 SS 8.3

HME
CRANEWORK & DREDGING

DAILY QUALITY CONTROL REPORT

Daily Report No. 27 Date: 9/17/08

Contract No.

Project Title: Terminal 4 Removal Action Location: Berth 411

Weather: Clear Temperature: 60 Min. 85 Max

1. Contractor/Subcontractors and Area of Responsibility:

NUMBER	TRADE	HOURS	EMPLOYER	LOCATION/DESCRIPTION OF WORK
5	Dredge	11	HME	Head of slip / Place Armor
1	Survey	8	ETRAC	/ Progress Survey's

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	9/12	9/17	7 30	2 15	1 15
Husky	9/12	9/17	11		
Chetco	9/16	9/17	11		
Pibby	9/12	9/17	11		

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

Move in from 414, spot and begin placing Armor. Standby for Diver Survey of Sand Layer (30 min) All good. Continue placing Armor. Placed first pass and 80% of pass

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.

HEAD OF SLIP WALL DOES NOT MATCH WITH DRAWINGS. HME WILL USE GPS VERIFICATION FOR POSITION OF WALL TO BUILD A TEMPLATE FOR SURVEY AND CONSTRUCTION OF THE ARMOR.

3. Offsite surveillance activities, including action taken:

CHECK PILOTS WEB SITE FOR SHIP SCHEDULES

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

1. NO JUMPING FROM MATERIAL BARGE TO DECK OF DREDGE
2. MONITOR VHF #13 FOR RIVER TRAFFIC
3. HOUSEKEEPING
4. CHECK ALL DECK WIRES FOR WEAR.

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

K.M. will ALLOW DREDGE PLANT TO REMAIN @ HEAD OF SLIP DURING SHIP ARRIVALS AND DEPARTURES. FINAL DREDGE VOLUMES OF BERTH 414 SHOWED ONLY 38 YDS REMOVED HME CLAIMED 278 YDS REMOVED. HME AND ETRAC WILL DO A COMPARISON WITH DEA PRE AND POST AND HME POST SURVEY OF 414.

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

9/18/08

ANCHOR ENVIRONMENTAL, L.L.C.

Daily Construction Report Number: 28

Work Hours: 06:00 to 17:00 Sub. to

Project Number: 050332-01 Day: Thursday Date: 09/18/08

Weather AM: Cloudy/light W wind L: 62 °F PM: Cloudy/light W wind H: 66 °F

Tides:

Time	Height
0720	+3.8 CRD
1400	+1.6 CRD
1510	+1.0 CRD

Contractor: Hickey Marine Sub:

Contractors Rep and Title: Darrell Jamieson (Project Superintendent)

Work Day Charge: Day: Reason:

Project Pictures? X Yes ☐ No Subject: Rip rap placement

Visitors: Lori (Paramatrix)

Item #	Item Description	Quantity Today	√	Remarks
1	Rip-rap placement at the head of Slip 3	7.5 hours		Quantity will be determined in morning by Darrell.
2	Contractor surveys	3.5 hours		

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

See next page.

Tim Stone
Resident Engineer

John Verduin
Project Engineer

ANCHOR ENVIRONMENTAL, L.L.C.

Diary (continued) Date: 9/18/08 Report Number: 28

06:00 Onsite. ANSAC LEGACY in Berth 410 and 411

06:00-07:30 Hickey moving into position in Slip 3. Seahorse derrick, CHETCO barge loaded to approximately1/2 full with rip-rap and a front-end loader. SEA HORSE equipped with 10 cubic yard non-mechanical (gravity-dump), open-ended bin/bucket for material distribution

- installing sorbent boom around placement area

07:30 Hickey begins rip-rap placement (toe at final pass of lift #2)

- Hickey also begins conducting survey of area where lift#2 is completed

07:30-15:00 Hickey completes placing lift#2 and lift#3 (begin lift #4) of armor layer/rip-rap material

- placement rates measured between 07:40 and 11:00; average rate is approximately 111 cubic yards per hour (which includes occasional pauses in placement and movement of derrick and CHETCO barge)
- cycle times measured averaging 4.5 minutes per bucked during period from 07:40 to 11:00 (actual cycle time does not include down time, pauses, or moves)

15:00 CHETCO barge empty—placement of rip-rap ended (placement rate slowed significantly during final cleanout of barge)

15:10 CHETCO moved out of Slip 3

15:30-16:30 Hickey conducting survey of cap area to determine additional quantity of rock that will be required for completion of armor layer (Hickey plans to complete placement early next week as material is available)

17:00 End of Day/ Hickey and Anchor off-site

Tim Stone
Resident Engineer

John Verduin
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 18, 2008 **REPORT NO.** 29

WEATHER Sunny **TEMPERATURE** L 57 H 80

NUMBER/CLASS OF CONTRACTOR'S PERSONNEL:

Hickey Dredge Crew:
Superintendent
Crane operator
2 Deck hands

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

Seahorse Crane/Derrick with Barge/Scow

CHRONOLOGICAL ACCOUNT OF DAY'S WORK:

(07:00 – 15:30) Seahorse crane/derrick and Chetco barge completed placing armor rock river side of slip 3 bulkhead (see dwg detail 2/C-6). HME to perform bathymetry survey to verify riverside armor rock placement and confirm elevations for work performed today.

Kinder/Morgan manager (Bruce) phoned Port inspector (PGB) with ship schedule information that B410/411 will be open with no ships at berths starting Sat.,9-20, through Mon., 9-22, with next ship at B410/B411 Tues., morning, 9-23. Bruce informed PGB that he will also call MFM superintendent (RW) to notify that the berths will be open over the weekend if MFM crews need to continue working on B410/B411 fender system.

(15:30) Chetco barge emptied of armor rock and de-mobilized from slip 3 by Tug.

Seahorse crane/derrick is scheduled to be demobilized tonight and will not return. HME's Seahawk crane and barge loaded with armor rock will return Monday, 9-22, and begin upland bank work at head of slip 3 with support from their subcontractor All Terrain Excavating Inc. and their spider type trac hoe.

TESTING LABORATORY ON SITE: **HRS:**

TESTS PERFORMED:

PHONE LOG:

SITE PHOTOS/VIDEOS TAKEN:

FORCE ACCOUNT WORK/ CHANGES ENCOUNTERED:

INSPECTOR Philipp G. Bales HRS DATE 9-18-8
(signature on hardcopy)

DAILY REPORT OF OPERATIONS:

CONTRACT NO:

TO:	CONTRACTOR:	DATE(S)	REPORT NO: 28
P.O.P.	HME	9/18/08	CONTRACT DAY: 37

PROJECT AND BAR	NAME: Terminal 4 Removal Action	AUTHORIZED DIMENSIONS: 120 x 40	WIDTH: 6' x 15' cells	DEPTH: 1:1 slope
	LOCATION: (include station no.) Head of Slip (Armor Placement)		OVERDEPTH: —	
DREDGE	NAME & TYPE: Sea Horse Drevo	SIZE: 135 T	DIPPER OR BUCKET: 10yd Skip Box	
	HORSEPOWER OF 900		CY.CAP.	

NUMBER OF CREW MEMBERS				WORK SCHEDULE	
Dredge: 5	Shore:	Other: 1	Total: 6	Shifts per day: 1	Days per week: 5

CHANNEL CONDITION	AVERAGE	BEFORE DREDGING	AFTER DREDGING	MINIMUM	BEFORE DREDGING	AFTER DREDGING

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

WORK PERFORMED		
AVERAGE WIDTH OF CUT	FEET	60
TOTAL ADVANCE THIS PERIOD	FEET	Build 60' Bench
TOTAL ADVANCE PREVIOUS TO THIS PERIOD	FEET	
TOTAL ADVANCE TO DATE	FEET	
WATER PUMPED THIS PERIOD	GALLONS	
WATER PUMPED PREVIOUS TO THIS PERIOD	GALLONS	
TOTAL WATER PUMPED TO DATE	GALLONS	
AVERAGE DREDGED PER PUMP HOUR, GROSS	CU. YD	92 Ton
SCOWS LOADED	NUMBER	
AVERAGE LOAD PER SCOW	CU. YD	

CUBIC YARDS REMOVED	
AMOUNT DREDGED THIS PERIOD:	Armor
(1) GROSS (computed amount)	716 Ton
(2) CREDITED (pay place)	
AMOUNT PREVIOUSLY REPORTED:	
(1) GROSS (computed amount)	1179 Ton
(2) CREDITED (pay place)	
AMOUNT DREDGED TO DATE:	
(1) GROSS (computed amount)	1895 Ton
(2) CREDITED (pay place)	

DISTRIBUTION OF TIME		
EFFECTIVE WORKING TIME (chargeable to cost of work)	HOURS	MIN
~~DREDGING~~ Armor Placement	7	45
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		30
SHORE LINE AND SHORE WORK		
MINOR OPER. REPAIRS (explain below)	1	15
WAITING FOR ATTENDANT PLANT		
PREPARATION AND MAKING UP TOW		
TRANSFERRING PLAN BETWEEN WORKS	1	45
LAY TIME OFF SHIRT AND SATURDAYS		
SUNDAYS AND HOLIDAYS		
SAFETY MEETING		15
WATER PUMPING		
TOTAL NON-EFFECTIVE WORKING TIME	3	45
TOTAL EFFECTIVE AND NON-EFFECTIVE TIME (chargeable to cost of work)	11	30
LOST TIME (chargeable to cost of work)		
MAJOR REPAIRS AND ALTERATIONS:		
CESSATION:		
MISCELLANEOUS:		
TOTAL LOST TIME:		
TOTAL TIME IN PERIOD:		

ATTENDANT PLANT

ITEM	NAME OR NUMBER	HOURS
Tug	Husky	11.5
Material Barge	Chetco	11.5
Survey / crew	Pigby	11.5

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

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

TITLE: Superintendent

SIGNATURE:

HICKEY MARINE ENTERPRISES

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

CRANEWORK & DREDGING

M	T	W	TH	F	S	S

Job Name TERMINAL 4 REMOVAL Date 9/10/08

Job No. 2428 Weather

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

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

☐ Manlift ☑ Other SEA HORSE, HUSKY

Equipment Safety Checks Performed? (Yes) / No

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

Work performed today

06:00 - 06:15 WARM UP
6:15 - 6:45 SAFETY MEETING
6:45 - 7:15 STANDBY FOR SHIP ARRIVAL
7:15 - 15:00 PLACE ARMOR
15:00 - 15:15 DISCONNECT SKID BOX
15:15 - 17:00 HUSKY DEPARTS to HME with CHETCO - T...
15:45 - TBL ARRIVES - MOVE SEA HORSE to SCHINTZER
17:30 SECURE

Extra work or delays (authorized by)

Sign

Form #3

T-4/ The Dalles Offload Site
Daily Inspection Checklist

Date 9/18/08

1) Safety Meeting: Agenda: WEEKLY TOOL BOX SAFETY MEETING

Attendees:

DARRELL JAMIESON
PHIL STACEY
BILL LABATHE
ALOCIUS JARVIS
JUSTIN BAY

Derrick SEAHORSE ☑

Derrick Sea Vulture ☐

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

3) Plant Inspection ☑

Deficiencies:	Date	Date Corrected
REPAIR CRANE SIDE DOOR	9/13	
RELINE 3-DRUM BRAKES	9/15	

4) Staff Gage Check ☑

Time	Tideboard	Tide Track
07:00	3.8	3.82
13:45	2.3	2.31

5) Main Fuel Tank Levels ☐

	Port	Starboard
Height	38	
Gallons	3800	
Consumption per day	150	

Position Verfication

Boat #30

X 7619999.41

Y 713223.38

Control Point

X 7619999.36

Y 713223.37

6) Survey Boat ☑

Fuel ☑

Port 1/2

Starboard 1/2

Hull Depth .7

Sound Velocity 4867

Latency 0

ARMOR

7) Dredge Material Weight ☐ 119 pounds per cubic foot

8) Dredge Boom Tip Verification

X 7619999.61

Y 713223.90

Control Point #30

X 7619999.32

Y 713223.37

9) Containment and Truck Load Area

Clean ☐ Dust Suppression ☐

Fabric ☐ Spill Plates ☐

10) Lash Barge:
Keep within 2 ft of trim

Draft PB _____ SB _____ PS _____ SS _____

Gallons Pumped Today _____

Total Gallons _____

Tank Sounding #1 _____ #3 _____ #2 _____ #4 _____

11) Baker Tank Level #1 _____ #2 _____

12) De con Stations

Clean ☐

Inventory ☐

13) Dust Suppression

Location _____ Time _____ Reading _____

Location _____ Time _____ Reading _____

Location _____ Time _____ Reading _____

Location _____ Time _____ Reading _____

Location _____ Time _____ Reading _____

Background _____

14) Material Barge

Draft MT PB 3.4 SB 3.6 PS 3.4 SS 3.6

MT Tons 1000

Total Tons 716

Draft LD PB 4' SB 4' PS 8' SS 8'

LD Tons 1716

Total Yards 447

HME
CRANEWORK & DREDGING

DAILY QUALITY CONTROL REPORT

Daily Report No. 29 Date: 9/18/08

Contract No.

Project Title: Terminal 4 Removal Action Location: 411 Head of Slip

Weather: Clear Temperature: 62 Min. 71 Max

1. Contractor/Subcontractors and Area of Responsibility:

NUMBER	TRADE	HOURS	EMPLOYER	LOCATION/DESCRIPTION OF WORK
5	Dredge	11.5	HME	Head of slip / Place Armor
1	Survey	10	ETRAC	Head of slip / 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	9/12	9/18	9/18	7.45	2.30	1.15
Chetco	9/16	9/18	9/18	9		
Husky	9/12	9/18	9/18	11.30		
Piggy	9/12	9/18	9/18	11.30		

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

Placed Remaining Armor from Chetco (716 Tons) on Bench Top at Head of Slip against Sheet Pile Wall. Armor was placed

From Downstream End working upstream. (Stations 0 to 6) 60'
Layed 1895 Tons Total of Armor to Date.

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 Surveys of Armor Placement

3. Offsite surveillance activities, including action taken:

Coordinated with P.O.P. on Ship Schedule and Spider Hoe Arrival.

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

1. Weekly Tool Box Meeting (See attachment)
2. Wire Safety Shackles on skip box.

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

Estimated up to 800 Ton may be needed to build Armor to Neatline Elevation. Jason with ETRAC will give me a Better Estimate on Monday from his survey information.

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

9/19/09

HICKEY MARINE ENTERPRISE
TOOL BOX SAFETY MEETING REPORT

PROJECT: Terminal 4 Removal Action PIN:

MEETING DATE: 9/18/08 NO. IN CREW: 5

CRAFT: Dredging NO. ATTENDING: 5

FOREMAN: BADGE:

SUBJECTS DISCUSSED:

1. PFDs when running loader
2. Switching Loader Operators
3. Swinging Skip Box

LIST BADGE # OR NAME OF EACH ATTENDEE

SUGGESTIONS OFFERED:

ACTION TO BE TAKEN:

1. Not required when in cab
2. Watch Rocks shooting off Tires
3. Operator cannot Alway's see Loader or man on Deck of Barge. Use Radio communication

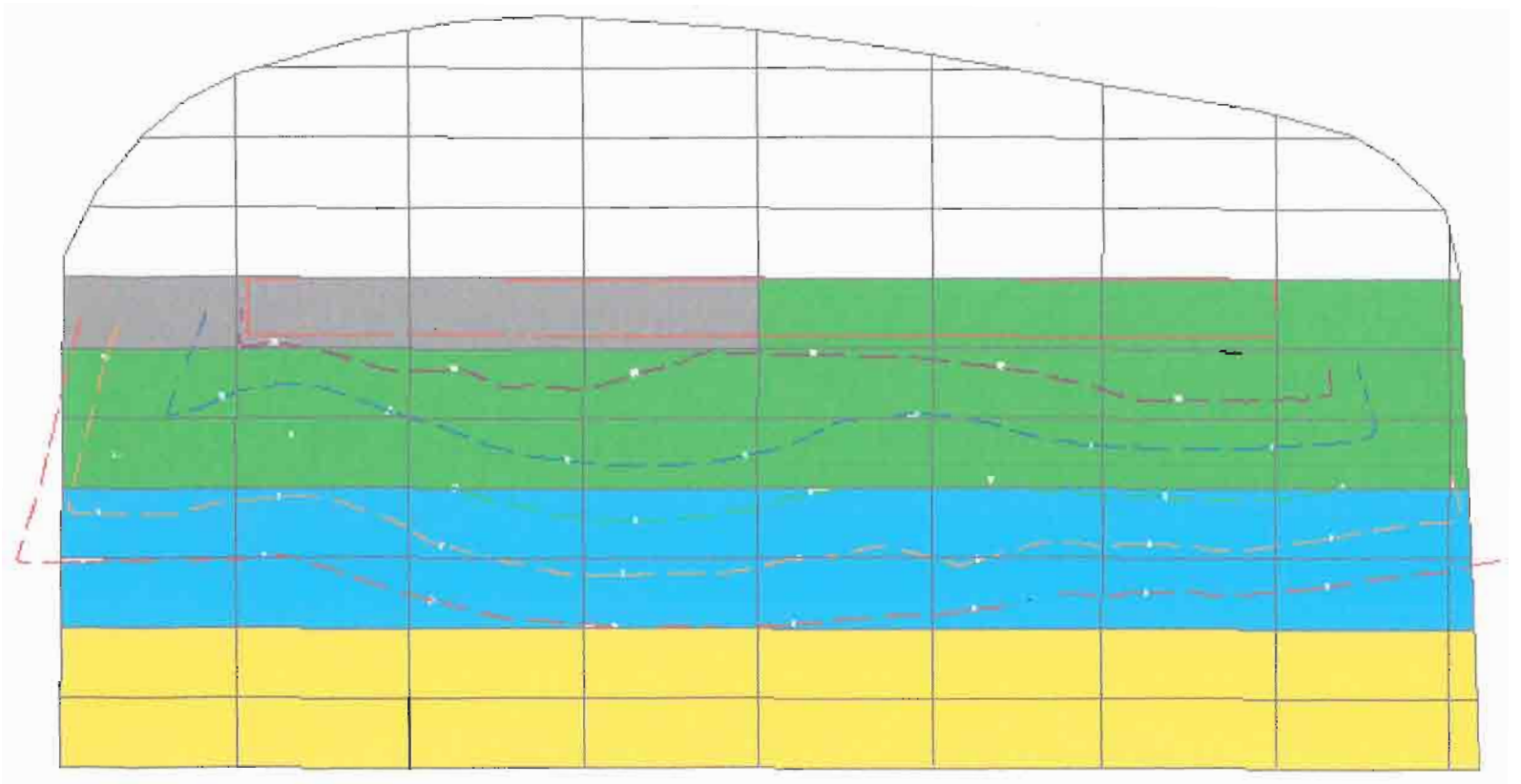
INJURIES/ACCIDENTS REVIEWED:

FOREMAN'S SIGNATURE:

SUPERVISOR'S REMARKS:

Bill Thies

SIGNATURE: DATE: 9/18/08



ARMOR PLACEMENT PROGRESS 9/18/08

YELLOW - FIRST LAYER

LT. BLUE - SECOND LAYER

GREEN - THIRD LAYER

GRAY - BENCH

ANCHOR ENVIRONMENTAL, L.L.C.

Daily Construction Report Number: 29

Work Hours: 08:00 to 16:30 Sub. to

Project Number: 050332-01 Day: Friday Date: 09/19/08

Weather AM: Cloudy/light W wind L: 62 °F PM: Partly cloudy/light W wind H: 66 °F

Tides:

Time	Height
1020	+3.0 CRD
1615	+0.8 CRD

Contractor: Hickey Marine Sub: All Terrain Excavation

Contractors Rep and Title: Mark R., Dave G., Greg S. (Project Superintendent)

Work Day Charge: _____ Day: _____ Reason: _____

Project Pictures? X Yes ☐ No Subject: Spider Hoe mobilization; and Rip rap and wood debris removal from upland cap area

Visitors: Lori (Paramatrix)

Item #	Item Description	Quantity Today	√	Remarks
1	Rip-rap and wood debris removal using spider hoe; transfer and sort material to work barge deck using SEA HAWK/10 cubic yard dump bin	8.5 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.

Tim Stone
Resident Engineer

John Verduin
Project Engineer

ANCHOR ENVIRONMENTAL, L.L.C.

Diary (continued) Date: 9/19/08 Report Number: 29

07:30 Hickey and subcontractor onsite. ANSAC LEGACY in Berth 410 and 411

07:30-08:45 Hickey and subcontractor preparing to move spider hoe into position in cap area at head of Slip 3.

08:45 Begin moving spider hoe down slope toward cap area

09:00 Spider hoe moved to below ordinary high water (OHW)

09:50 SEA HAWK and work barge moved into position at head of slip—to be used for material transfer, sorting, etc.

10:00-11:00 subcontractor continues positioning spider hoe;

- Hickey positioning barge and derrick
- Hickey receives RI-17 material barge with one pile of sand cap material and one pile of type 2 materials (sand+organoclay)
- Hickey and subcontractor conduct safety meeting and discuss excavation plan, communication protocols, etc.
- installing sorbent booms to contain any sheen that may be generated as sediments are disturbed

11:00-13:00 Hickey and subcontractor performing intermittent removal of rip rap and wood debris

13:00 Herb(Ash Creek) onsite to identify layer/interface of existing organoclay

13:00-14:00 Port of Portland, Hickey, Anchor, and Ash Creek discussing implications of actual elevation where existing organoclay has been located

14:00-16:00 removal of surficial wood debris and rip-rap ongoing—transferring and sorting material types onto work barge

- large rip-rap appears very clean with little to no sediment associated with the matrix
- large rip-rap removed from approximately ½ of the targeted area (cap extent)

16:30 Hickey and Anchor off site/ end of day

Tim Stone
Resident Engineer

John Verduin
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 19, 2008 **REPORT NO.** 30

WEATHER Partial clouds, no rain **TEMPERATURE** L 60 H 78

NUMBER/CLASS OF CONTRACTOR'S PERSONNEL:

Hickey Dredge Crew:
Superintendent
Crane operator
2 Deck hands

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

Seahawk Crane/Derrick with 2-Barge/Scow
Schaeff spider hoe, Model: HS 41M , 1995

CHRONOLOGICAL ACCOUNT OF DAY'S WORK:

(07:00 – 15:30) HME's subcontractor (All Terrain Excavating) mobilized their spider trac hoe on site and spent all day at head of slip 3, removing LWD and rip rap from toe of slope and with support from Seahawk, dumping material on to scow. Anchor representative (TS) on site monitoring all work performed at head of slip 3.
Port inspector (PGB) witnessed no additional project related activities performed by HME at this time. Seahorse crane and crew working off site (Schnitzer).

Kinder/Morgan manager (Bruce) phoned Port inspector (PGB) with ship schedule information that B410/411 will be open with no ships at berths starting Sat.,9-20, through Mon., 9-22, with next ship at B410/B411 Tues., morning, 9-23.
The berths will be open over the weekend if MFM crews need to continue working on B410/B411 fender system and HME's Seahawk crane and 2 barges are also allowed to remain in slip 3 over the weekend.

TESTING LABORATORY ON SITE: **HRS:**

TESTS PERFORMED:

PHONE LOG:

SITE PHOTOS/VIDEOS TAKEN:

FORCE ACCOUNT WORK/ CHANGES ENCOUNTERED:

INSPECTOR Philipp G. Bales HRS DATE 9-19-8
(signature on hardcopy)

HME
CRANEWORK & DREDGING

DAILY QUALITY CONTROL REPORT

Daily Report No. 29 Date: 9/19/09
9/20/09

Contract No.

Project Title: Terminal 4 Removal Action Location: 411 Head of slip

Weather: Clear Temperature: 60 Min. 75 Max

1. Contractor/Subcontractors and Area of Responsibility:

	NUMBER	TRADE	HOURS	EMPLOYER	LOCATION/DESCRIPTION OF WORK
9/19	3	Derrick	9	HME	411 Head of slip / Assist Spider Hoe
	1	Spider Hoe	9		CLEAR Upland
9/20	2	Derrick	8	HME	" " " "
	1	Spider Hoe	8		

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 Hawk	9/19	9/19	7	2	
#47	9/19	9/19	9		
RI #15	9/19	9/19	9		
Husky	9/19	9/19	2	7	
Spider Hoe	9/19	9/19	9		

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

MOBE in Spider Hoe and Derrick Sea Hawk to Head of slip.
Spider Hoe Begins Loading Debri, Rip Rap, and soils into skip Box

In which SEA HAWK Dumps into Segregrated piles onto Barge 47.
50% of Bank was cleared on Friday and Remaining 50% on Saturday.

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.

When Excavating Rock to Reach Existing organo-clay it was Discovered that we will need to move Further up slope to tie into New organo clay. Herb Cross was named as a consultant to help HME Establish Removal point. Material has been placed in Segregated piles on Barge 47

3. Offsite surveillance activities, including action taken:

Set up meeting for Monday with Herb Cross to Discuss Approach to place organo-clay.

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

1. Keep Radio Communication with Spider Hoe Operator
2. Watch Footing when walking on uplands slope
3. Keep work boats clear from getting smashed in between barges

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

Saturday was set aside to Remove all Debri and Rip Rap to Determine Monday A.M. A New work Approach. It Appears that more organoclay will be needed to complete Extra work on Uplands Slope than what was Stated in the contract Drawings.

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

9/22/08

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 T-4 Date 9-19

Job No. _____ Weather _____

Equipment: ☑ Sea Hawk ☐ Sea Vulture ☐ Sea Lion ☐ Viking ☐ 966 Loader ☐ Chetco
☐ Barge 174 ☐ Barge 34 ☐ BK5 ☐ Nova ☑ Barge 47 ☐ Barge Harvey A
☐ Manlift ☐ Other _____

Equipment Safety Checks Performed? Yes / No

Personal Protective Equipment Safety Checks Performed ? Yes / No

Work performed today

0600 - Bill Start move chetco - unload Loader
06:30 - Casey Start Skip Box
0700 - ~~Casey~~ Scott - Start - move Hawk - #47
- Fuel Hawk - Load Skipp Box
0900 - Hawk - #47 - Husky TO T-4
1000 - spotted T-4
1030 - Dig off old Rip Rap - load into Skip Box #47
- Spot Rock FS Barge
1200 - Lunch
1230 - Remove Rock
16:00 - 16:30 secure

Bill - 10
Scott - 8
Casey - 9½

Extra work or delays (authorized by)

Sign _____

Form #3

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 T-4 Date 9-20-04

Job No. _____ Weather _____

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

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

☐ Manlift ☐ Other _____

Equipment Safety Checks Performed? (Yes) / No

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

Work performed today

07:00 - 07:30 - Warm-up + setup
07:30 - 12:00 - Remove rock + debris
12:00 - 12:30 - Lunch
12:30 - 14:50 - Remove rock + debris
14:50 - 15:10 - Shutdown + lockup
15:10 - 15:30 - All Secure (Travel to yard)

Extra work or delays (authorized by)

Sign _____

ANCHOR ENVIRONMENTAL, L.L.C.

Daily Construction Report Number: 30

Work Hours: 07:00 to 15:00 Sub. to

Project Number: 050332-01 Day: Saturday Date: 09/20/08

Weather AM: Cloudy/light E wind L: 60 °F PM: Partly cloudy/light W wind H: 64 °F

Tides:

Time	Height
0700	+0.9 CRD
1020	+3.0 CRD

Contractor: Hickey Marine Sub: All Terrain Excavation

Contractors Rep and Title: Mark R., Dave G., Darrell J. (Project Superintendent)

Work Day Charge: _____ Day: _____ Reason: _____

Project Pictures? X Yes ☐ No Subject: Rip rap and wood debris removal from upland cap area

Visitors: Andrew S. (Paramatrix)

Item #	Item Description	Quantity Today	√	Remarks
1	Rip-rap and wood debris removal using spider hoe; transfer and sort material to work barge deck using SEA HAWK/10 cubic yard dump bin	4 hours		
2	Removal of granular layer of material underlying rip-rap surface layer	4 hours		

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

See next page.

Tim Stone
Resident Engineer

John Verduin
Project Engineer

ANCHOR ENVIRONMENTAL, L.L.C.

Diary (continued) Date: 9/20/08 Report Number: 30

07:00 Hickey and subcontractor onsite. No ship present in Slip 3.

07:30-11:00 removal of surficial wood debris and rip-rap ongoing—transferring and sorting material types onto work barge

- moving from end point on 9/19 toward the north extent of cap area
- large rip-rap appears very clean with little to no sediment associated with the matrix
- large rip-rap and wood debris removal from the targeted area completed

11:10-14:45 Hickey and subcontractor begin removing underlying granular material (layer below large rip rap).

- underlying layer much smaller grain size (cobble to coarse gravel most of which is <6 inches in diameter with sand and silts also present in the matrix)
- moving from north extent of cap area toward south extent
- creating a "bench" and removing bulk material to accommodate identification of tie-in point as early as possible on Monday AM (9/22)

15:00 Hickey and Subcontractor end of day—off site.

Tim Stone
Resident Engineer

John Verduin
Project Engineer

ATTACHMENT B

DAILY CONSTRUCTION MONITORING REPORTS FOR WHEELER BAY

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 NUMBER	29		
PAGE	1	OF	2
DATE	9/15/2008		

PROJECT	Wheeler Bay Stabilization	ARRIVAL TIME	655
LOCATION	Terminal 4	DEPARTURE TIME	1755
CLIENT	Port of Portland	WEATHER	sunny 90F; Winds: NW 2-4 mph
PURPOSE OF OBSERVATIONS	Field Oversight		
ASH CREEK REPRESENTATIVE	D. Urquhart	ASH CREEK PROJECT MANAGER	H. Clough
SUBCONTRACTOR	Envirocon	SUBCONTRACTOR REP.	S. Simpson

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

DAILY INSPECTION LOG:

Construction Element	MEETS INSPECTION CRITERIA			SEE ENVIROCON REPORT	SEE BELOW
	YES	NO	NA		
Site Preparation					
Erosion Control Installation			X		
Clearing and Grubbing			X		
Load Out Excess Cut			X		
Debris Clear of Excess Soil	X			X	X
Shoreline Stabilization					
Sub-grade Cut and Fill			X		
Demarcation Layer	X			X	X
Select Fill	X			X	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		
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:

Build toe from 6+00 to 3+80 including second lift of select fill and armor rock (>18"). Place select fill at 15' to 16' NGVD at 6+00 to 4+50,
Off load concrete debris (1 load). Armor rock delivered to site. Coir fabric delivered to site.

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

PROJECT NUMBER	1066-04		
FIELD REPORT NUMBER	29		
PAGE	2	OF	2
DATE	9/15/2008		

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:

Toe construction from 6+00 to 3+80, off-load concrete debris, and delivery of armor rock and coir fabric.

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:	90	Site Conditions:	dry	Date:	9/15/2008
Min Temp:	60	Winds:	light	Week Day:	Monday
		Precipitation	none	Shift:	7AM-4:30PM

Report Prepared By:

Personnel	WBS Task	Hours	Start	Finish	Equip	No.	Run	Stdby	WBS Task Code	Comments
WES JENSEN	301	10.5	7AM	4:30PM	HM300 ARTIC	Modern	5		301	
RICK MARTIN	301	10.5	7AM	4:30PM	JD450 DOZER	United	1		301	
MIKE MCCOY	301	10.5	7AM	2PM	PC200 EXC.	3366	9		301	
MATTHEW PATCHING	301	10.5	7AM	2PM	WATER TRUCK	United	4		301	
SKIP SIMPSON					JD310 BACKHOE	1196	1		301	
SUZANNE STARKEY					JD544J Loader	United	5		301	

DESCRIPTION OF WORK (detail below):

Air monitoring resumed. Electrical labels installed and covers placed on electrical vault and handhole.

Place select fill to grade STA's 5+50 to 3+80. Place Armor rock STA's 5+50 to 3+80.

Export ~28.45 tons unsuitable fill. Export 29 tons recycle concrete.

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	3+80		7+05		464 SY	1749 SY	X	Addendum No. 1 312000-4
Select Fill	4+70		3+80		80 CY		X	312000-3 (2.3)
Armor Type 3	4+70		3+80		100 CY		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								

COMMENTS (Material Delivered-Removed/Qty.):

75.26 tons Armor Type 3.

Exported 29 TN of unsuitable fill.

DAILY INSPECTION LOG:

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

SAFETY STATUS:

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

Signature Verifying Above: Skip Simpson

"Model Number", "DataRAM 4 ", 106
"Serial no. ", "D736 "
"Device no. ", 1
"Tag Number ", 1
"Start Time ", 07:27:33
"Start Date ", 15-Sep-2008
"Log Period ", 00:01:00
"Number ", 636
"CalFactor ", 1.000000
"Unit ", 0
"Unit Name ", "(MASS)ug/m3"
"SIZE_CORRECT", "DISABLED"
"TEMPUNITS ", C
"Max MASS ", 484.459000
"Max MASS @ ", 30 ,07:57:33 ,15-Sep-2008
"Avg MASS ", 31.500340
"Max Diam ", 0.721781
"Max Diam @ ", 25 ,07:52:33 ,15-Sep-2008
"Avg Diam ", 0.206386
"ALARM ", "DISABLED"
"ALARM_LEVEL ", 0.0
"AUTO_ZERO ", "DISABLED"
"AZ INTERVAL ", 1
"Errors ", 0000

record	"(MASS)ug/m3"	Temp	RHumidity	Diameter		
1,	52.5,	18.4,	25,	0.3530	,07:28:33	,15-Sep-2008
2,	54.8,	18.5,	29,	0.3534	,07:29:33	,15-Sep-2008
3,	60.7,	18.5,	33,	0.3212	,07:30:33	,15-Sep-2008
4,	61.2,	18.5,	36,	0.3376	,07:31:33	,15-Sep-2008
5,	69.1,	18.5,	38,	0.3610	,07:32:33	,15-Sep-2008
6,	69.8,	18.5,	40,	0.3334	,07:33:33	,15-Sep-2008
7,	67.8,	18.4,	42,	0.3441	,07:34:33	,15-Sep-2008
8,	98.3,	18.4,	43,	0.3687	,07:35:33	,15-Sep-2008
9,	103.5,	18.4,	45,	0.4700	,07:36:33	,15-Sep-2008
10,	110.0,	18.3,	45,	0.4964	,07:37:33	,15-Sep-2008
11,	88.1,	18.2,	46,	0.3913	,07:38:33	,15-Sep-2008
12,	90.7,	18.2,	47,	0.4722	,07:39:33	,15-Sep-2008
13,	106.7,	18.1,	48,	0.5552	,07:40:33	,15-Sep-2008
14,	83.3,	18.1,	49,	0.4329	,07:41:33	,15-Sep-2008
15,	87.0,	18.1,	49,	0.3993	,07:42:33	,15-Sep-2008
16,	92.4,	18.0,	50,	0.4621	,07:43:33	,15-Sep-2008
17,	87.1,	18.0,	50,	0.3936	,07:44:33	,15-Sep-2008
18,	84.8,	18.0,	51,	0.3539	,07:45:33	,15-Sep-2008
19,	87.9,	18.0,	51,	0.3994	,07:46:33	,15-Sep-2008
20,	79.5,	17.9,	52,	0.4063	,07:47:33	,15-Sep-2008
21,	96.7,	17.9,	52,	0.3671	,07:48:33	,15-Sep-2008
22,	141.1,	17.9,	53,	0.4419	,07:49:33	,15-Sep-2008
23,	322.8,	17.8,	53,	0.6008	,07:50:33	,15-Sep-2008
24,	333.4,	17.8,	53,	0.6130	,07:51:33	,15-Sep-2008
25,	351.0,	17.8,	53,	0.7218	,07:52:33	,15-Sep-2008
26,	339.2,	17.7,	53,	0.6330	,07:53:33	,15-Sep-2008
27,	350.0,	17.7,	53,	0.5406	,07:54:33	,15-Sep-2008
28,	393.4,	17.7,	53,	0.6075	,07:55:33	,15-Sep-2008
29,	441.4,	17.6,	54,	0.6606	,07:56:33	,15-Sep-2008
30,	484.5,	17.6,	54,	0.6991	,07:57:33	,15-Sep-2008
31,	371.2,	17.6,	54,	0.6594	,07:58:33	,15-Sep-2008
32,	230.2,	17.6,	54,	0.5510	,07:59:33	,15-Sep-2008
33,	232.7,	17.5,	54,	0.5472	,08:00:33	,15-Sep-2008
34,	218.1,	17.5,	54,	0.5107	,08:01:33	,15-Sep-2008
35,	205.5,	17.5,	54,	0.5764	,08:02:33	,15-Sep-2008
36,	138.1,	17.5,	55,	0.4980	,08:03:33	,15-Sep-2008
37,	129.2,	17.5,	55,	0.3889	,08:04:33	,15-Sep-2008
38,	132.3,	17.5,	55,	0.5197	,08:05:33	,15-Sep-2008

39,	123.6,	17.5,	55,	0.4813	,08:06:33	,15-Sep-2008
40,	124.5,	17.4,	55,	0.5253	,08:07:33	,15-Sep-2008
41,	130.7,	17.4,	55,	0.4919	,08:08:33	,15-Sep-2008
42,	113.1,	17.4,	56,	0.4408	,08:09:33	,15-Sep-2008
43,	106.8,	17.4,	56,	0.3841	,08:10:33	,15-Sep-2008
44,	108.4,	17.4,	56,	0.4311	,08:11:33	,15-Sep-2008
45,	102.9,	17.4,	56,	0.4719	,08:12:33	,15-Sep-2008
46,	94.2,	17.4,	56,	0.3408	,08:13:33	,15-Sep-2008
47,	98.2,	17.4,	56,	0.4340	,08:14:33	,15-Sep-2008
48,	82.4,	17.4,	56,	0.4217	,08:15:33	,15-Sep-2008
49,	90.4,	17.4,	56,	0.3810	,08:16:33	,15-Sep-2008
50,	80.6,	17.4,	56,	0.3535	,08:17:33	,15-Sep-2008
51,	74.2,	17.4,	57,	0.3112	,08:18:33	,15-Sep-2008
52,	78.7,	17.4,	57,	0.3257	,08:19:33	,15-Sep-2008
53,	78.9,	17.4,	57,	0.3536	,08:20:33	,15-Sep-2008
54,	83.3,	17.4,	57,	0.3953	,08:21:33	,15-Sep-2008
55,	103.8,	17.4,	57,	0.4371	,08:22:33	,15-Sep-2008
56,	96.1,	17.4,	57,	0.3302	,08:23:33	,15-Sep-2008
57,	101.2,	17.4,	57,	0.3525	,08:24:33	,15-Sep-2008
58,	97.0,	17.4,	57,	0.4317	,08:25:33	,15-Sep-2008
59,	96.6,	17.4,	57,	0.4282	,08:26:33	,15-Sep-2008
60,	108.5,	17.4,	57,	0.4746	,08:27:33	,15-Sep-2008
61,	118.6,	17.4,	57,	0.4974	,08:28:33	,15-Sep-2008
62,	111.1,	17.4,	57,	0.4545	,08:29:33	,15-Sep-2008
63,	108.2,	17.5,	57,	0.3947	,08:30:33	,15-Sep-2008
64,	103.0,	17.5,	57,	0.4371	,08:31:33	,15-Sep-2008
65,	93.2,	17.5,	57,	0.3770	,08:32:33	,15-Sep-2008
66,	83.7,	17.5,	57,	0.4176	,08:33:33	,15-Sep-2008
67,	78.8,	17.5,	57,	0.3828	,08:34:33	,15-Sep-2008
68,	72.6,	17.5,	57,	0.4184	,08:35:33	,15-Sep-2008
69,	74.1,	17.5,	57,	0.3542	,08:36:33	,15-Sep-2008
70,	76.9,	17.5,	57,	0.3992	,08:37:33	,15-Sep-2008
71,	73.1,	17.5,	57,	0.3841	,08:38:33	,15-Sep-2008
72,	70.7,	17.5,	57,	0.3466	,08:39:33	,15-Sep-2008
73,	67.2,	17.5,	57,	0.3015	,08:40:33	,15-Sep-2008
74,	68.6,	17.5,	57,	0.3207	,08:41:33	,15-Sep-2008
75,	73.9,	17.5,	57,	0.3848	,08:42:33	,15-Sep-2008
76,	74.8,	17.5,	57,	0.3616	,08:43:33	,15-Sep-2008
77,	75.3,	17.5,	57,	0.3890	,08:44:33	,15-Sep-2008
78,	67.4,	17.5,	57,	0.2944	,08:45:33	,15-Sep-2008
79,	66.0,	17.5,	57,	0.3393	,08:46:33	,15-Sep-2008
80,	72.1,	17.5,	57,	0.3444	,08:47:33	,15-Sep-2008
81,	73.1,	17.6,	57,	0.4494	,08:48:33	,15-Sep-2008
82,	76.5,	17.6,	57,	0.3468	,08:49:33	,15-Sep-2008
83,	70.9,	17.6,	57,	0.3444	,08:50:33	,15-Sep-2008
84,	76.9,	17.6,	57,	0.4083	,08:51:33	,15-Sep-2008
85,	81.4,	17.6,	57,	0.4202	,08:52:33	,15-Sep-2008
86,	88.4,	17.6,	58,	0.3735	,08:53:33	,15-Sep-2008
87,	93.6,	17.6,	59,	0.4817	,08:54:33	,15-Sep-2008
88,	84.3,	17.6,	59,	0.3561	,08:55:33	,15-Sep-2008
89,	80.6,	17.6,	59,	0.2860	,08:56:33	,15-Sep-2008
90,	85.7,	17.6,	60,	0.3544	,08:57:33	,15-Sep-2008
91,	89.5,	17.6,	60,	0.3719	,08:58:33	,15-Sep-2008
92,	81.3,	17.6,	60,	0.3170	,08:59:33	,15-Sep-2008
93,	87.1,	17.6,	60,	0.4016	,09:00:33	,15-Sep-2008
94,	89.5,	17.6,	60,	0.4175	,09:01:33	,15-Sep-2008
95,	78.2,	17.6,	61,	0.3231	,09:02:33	,15-Sep-2008
96,	75.4,	17.6,	60,	0.3348	,09:03:33	,15-Sep-2008
97,	75.0,	17.6,	60,	0.3488	,09:04:33	,15-Sep-2008
98,	80.9,	17.6,	60,	0.3689	,09:05:33	,15-Sep-2008
99,	83.6,	17.5,	60,	0.3318	,09:06:33	,15-Sep-2008
100,	74.5,	17.5,	61,	0.3690	,09:07:33	,15-Sep-2008
101,	69.4,	17.5,	61,	0.3865	,09:08:33	,15-Sep-2008

102,	62.6,	17.5,	61,	0.3348	,09:09:33	,15-Sep-2008
103,	59.5,	17.5,	61,	0.3219	,09:10:33	,15-Sep-2008
104,	47.1,	17.5,	61,	0.2687	,09:11:33	,15-Sep-2008
105,	49.8,	17.5,	60,	0.3420	,09:12:33	,15-Sep-2008
106,	35.8,	17.5,	60,	0.2431	,09:13:33	,15-Sep-2008
107,	31.6,	17.5,	61,	0.2814	,09:14:33	,15-Sep-2008
108,	31.4,	17.5,	61,	0.2637	,09:15:33	,15-Sep-2008
109,	35.9,	17.5,	61,	0.2839	,09:16:33	,15-Sep-2008
110,	36.0,	17.5,	61,	0.3021	,09:17:33	,15-Sep-2008
111,	32.0,	17.5,	61,	0.2603	,09:18:33	,15-Sep-2008
112,	31.6,	17.5,	61,	0.2145	,09:19:33	,15-Sep-2008
113,	33.8,	17.5,	61,	0.2381	,09:20:33	,15-Sep-2008
114,	34.8,	17.5,	61,	0.2497	,09:21:33	,15-Sep-2008
115,	29.8,	17.5,	61,	0.2583	,09:22:33	,15-Sep-2008
116,	27.1,	17.5,	62,	0.2249	,09:23:33	,15-Sep-2008
117,	27.4,	17.5,	62,	0.2149	,09:24:33	,15-Sep-2008
118,	30.7,	17.5,	62,	0.2360	,09:25:33	,15-Sep-2008
119,	34.9,	17.5,	62,	0.2446	,09:26:33	,15-Sep-2008
120,	33.8,	17.5,	62,	0.1872	,09:27:33	,15-Sep-2008
121,	33.7,	17.5,	62,	0.2048	,09:28:33	,15-Sep-2008
122,	30.5,	17.5,	62,	0.2371	,09:29:33	,15-Sep-2008
123,	23.8,	17.5,	62,	0.1838	,09:30:33	,15-Sep-2008
124,	35.2,	17.5,	61,	0.2102	,09:31:33	,15-Sep-2008
125,	34.0,	17.6,	61,	0.2139	,09:32:33	,15-Sep-2008
126,	29.8,	17.6,	61,	0.2131	,09:33:33	,15-Sep-2008
127,	19.4,	17.6,	61,	0.1972	,09:34:33	,15-Sep-2008
128,	29.2,	17.6,	61,	0.1904	,09:35:33	,15-Sep-2008
129,	29.8,	17.6,	61,	0.2223	,09:36:33	,15-Sep-2008
130,	30.3,	17.6,	61,	0.2454	,09:37:33	,15-Sep-2008
131,	33.1,	17.6,	61,	0.2674	,09:38:33	,15-Sep-2008
132,	36.6,	17.6,	61,	0.2740	,09:39:33	,15-Sep-2008
133,	35.7,	17.6,	61,	0.2453	,09:40:33	,15-Sep-2008
134,	37.0,	17.6,	61,	0.2646	,09:41:33	,15-Sep-2008
135,	36.3,	17.6,	61,	0.2055	,09:42:33	,15-Sep-2008
136,	41.3,	17.6,	61,	0.2209	,09:43:33	,15-Sep-2008
137,	45.4,	17.6,	61,	0.2324	,09:44:33	,15-Sep-2008
138,	40.7,	17.6,	61,	0.2373	,09:45:33	,15-Sep-2008
139,	37.3,	17.7,	61,	0.2788	,09:46:33	,15-Sep-2008
140,	35.8,	17.7,	61,	0.2306	,09:47:33	,15-Sep-2008
141,	28.8,	17.7,	61,	0.2233	,09:48:33	,15-Sep-2008
142,	29.6,	17.7,	61,	0.2355	,09:49:33	,15-Sep-2008
143,	28.9,	17.7,	61,	0.2510	,09:50:33	,15-Sep-2008
144,	29.9,	17.7,	61,	0.2309	,09:51:33	,15-Sep-2008
145,	29.5,	17.7,	61,	0.2086	,09:52:33	,15-Sep-2008
146,	27.8,	17.7,	61,	0.1961	,09:53:33	,15-Sep-2008
147,	38.7,	17.7,	61,	0.2154	,09:54:33	,15-Sep-2008
148,	29.6,	17.7,	61,	0.2658	,09:55:33	,15-Sep-2008
149,	29.3,	17.8,	61,	0.2335	,09:56:33	,15-Sep-2008
150,	28.4,	17.8,	60,	0.2088	,09:57:33	,15-Sep-2008
151,	32.8,	17.8,	60,	0.2457	,09:58:33	,15-Sep-2008
152,	37.3,	17.8,	61,	0.2593	,09:59:33	,15-Sep-2008
153,	42.1,	17.9,	60,	0.2173	,10:00:33	,15-Sep-2008
154,	48.5,	17.9,	60,	0.2422	,10:01:33	,15-Sep-2008
155,	46.0,	17.9,	60,	0.2533	,10:02:33	,15-Sep-2008
156,	42.9,	17.9,	60,	0.2658	,10:03:33	,15-Sep-2008
157,	37.3,	18.0,	60,	0.2522	,10:04:33	,15-Sep-2008
158,	41.7,	18.0,	60,	0.2336	,10:05:33	,15-Sep-2008
159,	35.7,	18.0,	59,	0.1906	,10:06:33	,15-Sep-2008
160,	39.9,	18.0,	59,	0.1823	,10:07:33	,15-Sep-2008
161,	24.0,	18.1,	59,	0.1861	,10:08:33	,15-Sep-2008
162,	28.2,	18.1,	59,	0.2368	,10:09:33	,15-Sep-2008
163,	40.0,	18.1,	59,	0.2749	,10:10:33	,15-Sep-2008
164,	37.6,	18.1,	59,	0.2642	,10:11:33	,15-Sep-2008

165,	30.2,	18.2,	59,	0.2945	,10:12:33	,15-Sep-2008
166,	34.7,	18.2,	59,	0.3639	,10:13:33	,15-Sep-2008
167,	34.4,	18.3,	58,	0.3207	,10:14:33	,15-Sep-2008
168,	36.2,	18.3,	58,	0.2946	,10:15:33	,15-Sep-2008
169,	40.1,	18.3,	58,	0.2356	,10:16:33	,15-Sep-2008
170,	53.1,	18.4,	58,	0.3190	,10:17:33	,15-Sep-2008
171,	24.7,	18.4,	58,	0.3520	,10:18:33	,15-Sep-2008
172,	20.8,	18.4,	58,	0.2085	,10:19:33	,15-Sep-2008
173,	19.7,	18.5,	58,	0.2372	,10:20:33	,15-Sep-2008
174,	20.1,	18.5,	58,	0.2352	,10:21:33	,15-Sep-2008
175,	24.0,	18.5,	58,	0.2256	,10:22:33	,15-Sep-2008
176,	19.4,	18.6,	58,	0.1917	,10:23:33	,15-Sep-2008
177,	22.3,	18.6,	58,	0.2093	,10:24:33	,15-Sep-2008
178,	22.9,	18.6,	57,	0.2393	,10:25:33	,15-Sep-2008
179,	18.5,	18.6,	57,	0.2247	,10:26:33	,15-Sep-2008
180,	20.6,	18.7,	57,	0.2034	,10:27:33	,15-Sep-2008
181,	19.6,	18.7,	57,	0.2594	,10:28:33	,15-Sep-2008
182,	24.5,	18.7,	57,	0.2987	,10:29:33	,15-Sep-2008
183,	26.0,	18.7,	57,	0.2709	,10:30:33	,15-Sep-2008
184,	28.0,	18.8,	57,	0.2869	,10:31:33	,15-Sep-2008
185,	30.5,	18.8,	57,	0.3157	,10:32:33	,15-Sep-2008
186,	20.7,	18.9,	57,	0.2833	,10:33:33	,15-Sep-2008
187,	15.9,	18.9,	57,	0.1838	,10:34:33	,15-Sep-2008
188,	15.6,	18.9,	57,	0.1729	,10:35:33	,15-Sep-2008
189,	19.2,	19.0,	57,	0.2102	,10:36:33	,15-Sep-2008
190,	17.5,	19.0,	57,	0.1816	,10:37:33	,15-Sep-2008
191,	18.8,	19.0,	57,	0.2065	,10:38:33	,15-Sep-2008
192,	20.8,	19.1,	57,	0.2065	,10:39:33	,15-Sep-2008
193,	25.9,	19.1,	57,	0.2416	,10:40:33	,15-Sep-2008
194,	17.5,	19.1,	57,	0.2048	,10:41:33	,15-Sep-2008
195,	16.8,	19.2,	57,	0.1931	,10:42:33	,15-Sep-2008
196,	16.9,	19.2,	57,	0.1643	,10:43:33	,15-Sep-2008
197,	20.0,	19.2,	57,	0.1715	,10:44:33	,15-Sep-2008
198,	24.3,	19.3,	57,	0.2353	,10:45:33	,15-Sep-2008
199,	21.3,	19.3,	57,	0.2172	,10:46:33	,15-Sep-2008
200,	25.4,	19.4,	57,	0.2259	,10:47:33	,15-Sep-2008
201,	27.2,	19.4,	56,	0.3276	,10:48:33	,15-Sep-2008
202,	20.2,	19.5,	56,	0.2475	,10:49:33	,15-Sep-2008
203,	18.7,	19.5,	56,	0.1556	,10:50:33	,15-Sep-2008
204,	17.0,	19.5,	56,	0.2020	,10:51:33	,15-Sep-2008
205,	15.4,	19.6,	55,	0.1686	,10:52:33	,15-Sep-2008
206,	17.6,	19.6,	55,	0.1768	,10:53:33	,15-Sep-2008
207,	17.2,	19.7,	55,	0.1658	,10:54:33	,15-Sep-2008
208,	15.1,	19.7,	56,	0.1440	,10:55:33	,15-Sep-2008
209,	16.0,	19.8,	56,	0.1953	,10:56:33	,15-Sep-2008
210,	13.3,	19.8,	56,	0.1759	,10:57:33	,15-Sep-2008
211,	15.2,	19.9,	56,	0.2118	,10:58:33	,15-Sep-2008
212,	13.8,	20.0,	55,	0.2166	,10:59:33	,15-Sep-2008
213,	14.7,	20.0,	55,	0.1831	,11:00:33	,15-Sep-2008
214,	16.7,	20.0,	55,	0.1891	,11:01:33	,15-Sep-2008
215,	15.3,	20.1,	55,	0.1985	,11:02:33	,15-Sep-2008
216,	14.7,	20.1,	55,	0.2000	,11:03:33	,15-Sep-2008
217,	13.0,	20.2,	55,	0.1567	,11:04:33	,15-Sep-2008
218,	12.2,	20.2,	55,	0.1458	,11:05:33	,15-Sep-2008
219,	12.8,	20.2,	54,	0.1487	,11:06:33	,15-Sep-2008
220,	13.2,	20.2,	54,	0.1807	,11:07:33	,15-Sep-2008
221,	13.9,	20.3,	54,	0.1837	,11:08:33	,15-Sep-2008
222,	12.0,	20.4,	54,	0.1470	,11:09:33	,15-Sep-2008
223,	12.3,	20.4,	54,	0.1488	,11:10:33	,15-Sep-2008
224,	13.5,	20.4,	54,	0.1352	,11:11:33	,15-Sep-2008
225,	15.5,	20.5,	53,	0.1882	,11:12:33	,15-Sep-2008
226,	18.4,	20.5,	53,	0.2016	,11:13:33	,15-Sep-2008
227,	15.9,	20.6,	53,	0.1714	,11:14:33	,15-Sep-2008

228,	12.0,	20.6,	53,	0.1804	,11:15:33	,15-Sep-2008
229,	16.1,	20.6,	53,	0.2000	,11:16:33	,15-Sep-2008
230,	18.3,	20.6,	53,	0.2261	,11:17:33	,15-Sep-2008
231,	16.8,	20.7,	53,	0.1832	,11:18:33	,15-Sep-2008
232,	17.4,	20.8,	53,	0.2090	,11:19:33	,15-Sep-2008
233,	16.1,	20.8,	53,	0.2392	,11:20:33	,15-Sep-2008
234,	19.1,	20.9,	53,	0.2192	,11:21:33	,15-Sep-2008
235,	16.7,	20.9,	53,	0.1712	,11:22:33	,15-Sep-2008
236,	15.1,	21.0,	52,	0.1904	,11:23:33	,15-Sep-2008
237,	14.8,	21.0,	52,	0.2645	,11:24:33	,15-Sep-2008
238,	12.9,	21.1,	51,	0.1739	,11:25:33	,15-Sep-2008
239,	11.3,	21.1,	51,	0.1445	,11:26:33	,15-Sep-2008
240,	12.1,	21.2,	51,	0.1407	,11:27:33	,15-Sep-2008
241,	12.9,	21.2,	51,	0.1487	,11:28:33	,15-Sep-2008
242,	13.3,	21.3,	51,	0.1698	,11:29:33	,15-Sep-2008
243,	14.3,	21.4,	50,	0.2084	,11:30:33	,15-Sep-2008
244,	14.1,	21.4,	50,	0.1790	,11:31:33	,15-Sep-2008
245,	13.1,	21.5,	50,	0.1996	,11:32:33	,15-Sep-2008
246,	13.6,	21.5,	50,	0.1816	,11:33:33	,15-Sep-2008
247,	13.5,	21.6,	50,	0.1846	,11:34:33	,15-Sep-2008
248,	14.2,	21.7,	49,	0.2051	,11:35:33	,15-Sep-2008
249,	16.1,	21.7,	49,	0.2210	,11:36:33	,15-Sep-2008
250,	13.8,	21.8,	49,	0.1693	,11:37:33	,15-Sep-2008
251,	14.0,	21.9,	49,	0.1742	,11:38:33	,15-Sep-2008
252,	18.7,	22.0,	48,	0.2525	,11:39:33	,15-Sep-2008
253,	17.1,	22.1,	48,	0.2022	,11:40:33	,15-Sep-2008
254,	18.6,	22.1,	48,	0.1817	,11:41:33	,15-Sep-2008
255,	16.6,	22.2,	47,	0.1721	,11:42:33	,15-Sep-2008
256,	15.5,	22.3,	47,	0.1805	,11:43:33	,15-Sep-2008
257,	14.1,	22.4,	47,	0.1536	,11:44:33	,15-Sep-2008
258,	16.8,	22.5,	47,	0.1897	,11:45:33	,15-Sep-2008
259,	30.8,	22.6,	47,	0.2883	,11:46:33	,15-Sep-2008
260,	39.8,	22.7,	46,	0.3643	,11:47:33	,15-Sep-2008
261,	38.6,	22.8,	46,	0.3415	,11:48:33	,15-Sep-2008
262,	35.3,	23.0,	45,	0.3089	,11:49:33	,15-Sep-2008
263,	18.9,	23.1,	45,	0.2230	,11:50:33	,15-Sep-2008
264,	25.6,	23.2,	44,	0.2268	,11:51:33	,15-Sep-2008
265,	15.3,	23.3,	44,	0.1865	,11:52:33	,15-Sep-2008
266,	18.4,	23.4,	44,	0.2595	,11:53:33	,15-Sep-2008
267,	16.0,	23.5,	44,	0.1849	,11:54:33	,15-Sep-2008
268,	14.5,	23.7,	43,	0.2119	,11:55:33	,15-Sep-2008
269,	15.1,	23.8,	43,	0.2050	,11:56:33	,15-Sep-2008
270,	14.3,	23.9,	43,	0.2411	,11:57:33	,15-Sep-2008
271,	13.6,	24.0,	43,	0.1520	,11:58:33	,15-Sep-2008
272,	11.0,	24.2,	42,	0.1407	,11:59:33	,15-Sep-2008
273,	11.2,	24.3,	42,	0.1412	,12:00:33	,15-Sep-2008
274,	14.7,	24.4,	41,	0.1978	,12:01:33	,15-Sep-2008
275,	14.8,	24.5,	41,	0.2009	,12:02:33	,15-Sep-2008
276,	11.7,	24.6,	41,	0.1392	,12:03:33	,15-Sep-2008
277,	10.5,	24.7,	41,	0.1487	,12:04:33	,15-Sep-2008
278,	11.1,	24.9,	41,	0.1456	,12:05:33	,15-Sep-2008
279,	11.5,	25.0,	41,	0.1841	,12:06:33	,15-Sep-2008
280,	10.8,	25.1,	41,	0.1724	,12:07:33	,15-Sep-2008
281,	10.7,	25.2,	41,	0.1735	,12:08:33	,15-Sep-2008
282,	8.4,	25.2,	42,	0.1349	,12:09:33	,15-Sep-2008
283,	9.9,	25.4,	42,	0.1161	,12:10:33	,15-Sep-2008
284,	9.5,	25.4,	42,	0.1162	,12:11:33	,15-Sep-2008
285,	9.6,	25.5,	42,	0.1215	,12:12:33	,15-Sep-2008
286,	9.6,	25.6,	43,	0.1275	,12:13:33	,15-Sep-2008
287,	9.5,	25.6,	43,	0.1470	,12:14:33	,15-Sep-2008
288,	9.2,	25.7,	42,	0.1396	,12:15:33	,15-Sep-2008
289,	8.4,	25.7,	41,	0.1462	,12:16:33	,15-Sep-2008
290,	7.6,	25.8,	41,	0.1513	,12:17:33	,15-Sep-2008

291,	8.1,	25.8,	41,	0.1397	,12:18:33	,15-Sep-2008
292,	8.5,	25.9,	41,	0.1482	,12:19:33	,15-Sep-2008
293,	7.9,	25.9,	41,	0.1300	,12:20:33	,15-Sep-2008
294,	8.8,	26.0,	40,	0.1704	,12:21:33	,15-Sep-2008
295,	8.6,	26.0,	40,	0.1395	,12:22:33	,15-Sep-2008
296,	9.5,	26.1,	41,	0.1554	,12:23:33	,15-Sep-2008
297,	9.1,	26.1,	40,	0.1497	,12:24:33	,15-Sep-2008
298,	9.5,	26.2,	39,	0.1483	,12:25:33	,15-Sep-2008
299,	8.5,	26.2,	38,	0.1597	,12:26:33	,15-Sep-2008
300,	7.5,	26.3,	38,	0.1621	,12:27:33	,15-Sep-2008
301,	7.3,	26.3,	39,	0.1170	,12:28:33	,15-Sep-2008
302,	8.0,	26.4,	39,	0.1223	,12:29:33	,15-Sep-2008
303,	7.6,	26.4,	39,	0.1530	,12:30:33	,15-Sep-2008
304,	8.2,	26.5,	38,	0.1398	,12:31:33	,15-Sep-2008
305,	8.1,	26.5,	38,	0.1257	,12:32:33	,15-Sep-2008
306,	7.7,	26.6,	38,	0.1350	,12:33:33	,15-Sep-2008
307,	8.4,	26.6,	38,	0.1401	,12:34:33	,15-Sep-2008
308,	7.8,	26.7,	38,	0.1244	,12:35:33	,15-Sep-2008
309,	8.6,	26.7,	37,	0.1218	,12:36:33	,15-Sep-2008
310,	7.4,	26.8,	37,	0.1622	,12:37:33	,15-Sep-2008
311,	9.3,	26.8,	37,	0.1421	,12:38:33	,15-Sep-2008
312,	8.9,	26.9,	38,	0.1418	,12:39:33	,15-Sep-2008
313,	9.2,	26.9,	38,	0.1334	,12:40:33	,15-Sep-2008
314,	9.2,	27.0,	38,	0.1454	,12:41:33	,15-Sep-2008
315,	9.3,	27.1,	38,	0.1470	,12:42:33	,15-Sep-2008
316,	8.5,	27.1,	37,	0.1489	,12:43:33	,15-Sep-2008
317,	8.9,	27.2,	37,	0.1384	,12:44:33	,15-Sep-2008
318,	7.9,	27.2,	37,	0.1234	,12:45:33	,15-Sep-2008
319,	10.0,	27.2,	37,	0.1694	,12:46:33	,15-Sep-2008
320,	9.0,	27.3,	37,	0.1491	,12:47:33	,15-Sep-2008
321,	9.7,	27.4,	37,	0.1679	,12:48:33	,15-Sep-2008
322,	9.3,	27.5,	37,	0.1665	,12:49:33	,15-Sep-2008
323,	9.1,	27.5,	37,	0.1642	,12:50:33	,15-Sep-2008
324,	8.3,	27.6,	37,	0.1609	,12:51:33	,15-Sep-2008
325,	8.4,	27.6,	36,	0.1404	,12:52:33	,15-Sep-2008
326,	8.2,	27.6,	36,	0.1493	,12:53:33	,15-Sep-2008
327,	8.9,	27.7,	36,	0.1501	,12:54:33	,15-Sep-2008
328,	9.0,	27.7,	36,	0.1518	,12:55:33	,15-Sep-2008
329,	9.0,	27.8,	35,	0.1131	,12:56:33	,15-Sep-2008
330,	10.2,	27.9,	35,	0.1245	,12:57:33	,15-Sep-2008
331,	9.0,	27.9,	36,	0.1280	,12:58:33	,15-Sep-2008
332,	7.5,	28.0,	36,	0.1255	,12:59:33	,15-Sep-2008
333,	9.4,	28.0,	36,	0.1255	,13:00:33	,15-Sep-2008
334,	7.3,	28.1,	36,	0.1337	,13:01:33	,15-Sep-2008
335,	7.9,	28.1,	36,	0.1233	,13:02:33	,15-Sep-2008
336,	8.4,	28.1,	35,	0.1470	,13:03:33	,15-Sep-2008
337,	8.2,	28.2,	35,	0.1717	,13:04:33	,15-Sep-2008
338,	8.8,	28.3,	35,	0.1453	,13:05:33	,15-Sep-2008
339,	9.7,	28.3,	35,	0.1264	,13:06:33	,15-Sep-2008
340,	8.9,	28.4,	35,	0.1437	,13:07:33	,15-Sep-2008
341,	7.0,	28.4,	35,	0.1311	,13:08:33	,15-Sep-2008
342,	9.0,	28.5,	34,	0.1242	,13:09:33	,15-Sep-2008
343,	8.9,	28.5,	34,	0.1429	,13:10:33	,15-Sep-2008
344,	10.4,	28.6,	34,	0.1779	,13:11:33	,15-Sep-2008
345,	8.9,	28.6,	34,	0.1519	,13:12:33	,15-Sep-2008
346,	7.3,	28.6,	34,	0.1638	,13:13:33	,15-Sep-2008
347,	9.2,	28.7,	34,	0.1563	,13:14:33	,15-Sep-2008
348,	9.2,	28.7,	34,	0.1519	,13:15:33	,15-Sep-2008
349,	7.5,	28.8,	34,	0.1531	,13:16:33	,15-Sep-2008
350,	10.0,	28.8,	34,	0.1331	,13:17:33	,15-Sep-2008
351,	8.5,	28.9,	34,	0.1327	,13:18:33	,15-Sep-2008
352,	6.8,	28.9,	34,	0.1457	,13:19:33	,15-Sep-2008
353,	7.9,	28.9,	33,	0.1370	,13:20:33	,15-Sep-2008

354,	8.8,	29.0,	33,	0.1670	,13:21:33	,15-Sep-2008
355,	7.9,	29.0,	33,	0.1673	,13:22:33	,15-Sep-2008
356,	8.0,	29.1,	33,	0.1538	,13:23:33	,15-Sep-2008
357,	7.6,	29.1,	33,	0.1325	,13:24:33	,15-Sep-2008
358,	8.4,	29.1,	33,	0.1203	,13:25:33	,15-Sep-2008
359,	8.4,	29.2,	33,	0.1355	,13:26:33	,15-Sep-2008
360,	7.7,	29.2,	33,	0.1569	,13:27:33	,15-Sep-2008
361,	7.5,	29.3,	32,	0.1442	,13:28:33	,15-Sep-2008
362,	8.8,	29.3,	32,	0.1463	,13:29:33	,15-Sep-2008
363,	8.2,	29.4,	32,	0.1682	,13:30:33	,15-Sep-2008
364,	7.5,	29.5,	32,	0.1507	,13:31:33	,15-Sep-2008
365,	8.3,	29.5,	31,	0.1395	,13:32:33	,15-Sep-2008
366,	8.6,	29.6,	31,	0.1505	,13:33:33	,15-Sep-2008
367,	12.4,	29.6,	31,	0.1675	,13:34:33	,15-Sep-2008
368,	12.6,	29.7,	31,	0.2090	,13:35:33	,15-Sep-2008
369,	17.6,	29.7,	31,	0.2433	,13:36:33	,15-Sep-2008
370,	17.1,	29.8,	31,	0.2088	,13:37:33	,15-Sep-2008
371,	18.7,	29.9,	31,	0.2798	,13:38:33	,15-Sep-2008
372,	20.4,	30.0,	31,	0.1590	,13:39:33	,15-Sep-2008
373,	16.5,	30.1,	31,	0.1554	,13:40:33	,15-Sep-2008
374,	14.2,	30.2,	31,	0.1544	,13:41:33	,15-Sep-2008
375,	12.1,	30.3,	30,	0.1761	,13:42:33	,15-Sep-2008
376,	13.5,	30.4,	30,	0.1234	,13:43:33	,15-Sep-2008
377,	12.3,	30.5,	30,	0.1474	,13:44:33	,15-Sep-2008
378,	10.8,	30.6,	30,	0.1542	,13:45:33	,15-Sep-2008
379,	12.0,	30.7,	30,	0.1408	,13:46:33	,15-Sep-2008
380,	8.3,	30.7,	29,	0.1255	,13:47:33	,15-Sep-2008
381,	10.5,	30.8,	29,	0.1129	,13:48:33	,15-Sep-2008
382,	13.1,	31.0,	30,	0.1316	,13:49:33	,15-Sep-2008
383,	13.3,	31.0,	30,	0.1705	,13:50:33	,15-Sep-2008
384,	11.6,	31.1,	29,	0.1426	,13:51:33	,15-Sep-2008
385,	10.4,	31.2,	29,	0.1393	,13:52:33	,15-Sep-2008
386,	12.0,	31.3,	29,	0.2055	,13:53:33	,15-Sep-2008
387,	10.3,	31.4,	29,	0.1514	,13:54:33	,15-Sep-2008
388,	10.8,	31.5,	28,	0.1269	,13:55:33	,15-Sep-2008
389,	10.6,	31.5,	29,	0.0823	,13:56:33	,15-Sep-2008
390,	10.1,	31.6,	29,	0.1223	,13:57:33	,15-Sep-2008
391,	11.5,	31.7,	29,	0.1296	,13:58:33	,15-Sep-2008
392,	11.8,	31.7,	29,	0.1695	,13:59:33	,15-Sep-2008
393,	10.5,	31.8,	29,	0.1661	,14:00:33	,15-Sep-2008
394,	11.8,	31.9,	29,	0.1969	,14:01:33	,15-Sep-2008
395,	11.9,	31.9,	28,	0.1002	,14:02:33	,15-Sep-2008
396,	12.9,	32.0,	28,	0.1886	,14:03:33	,15-Sep-2008
397,	13.7,	32.0,	28,	0.1952	,14:04:33	,15-Sep-2008
398,	12.2,	32.1,	28,	0.1771	,14:05:33	,15-Sep-2008
399,	12.3,	32.2,	28,	0.1500	,14:06:33	,15-Sep-2008
400,	11.6,	32.2,	28,	0.1737	,14:07:33	,15-Sep-2008
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402,	12.5,	32.3,	27,	0.1533	,14:09:33	,15-Sep-2008
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405,	11.9,	32.5,	26,	0.1815	,14:12:33	,15-Sep-2008
406,	10.8,	32.6,	26,	0.1144	,14:13:33	,15-Sep-2008
407,	13.6,	32.6,	26,	0.1923	,14:14:33	,15-Sep-2008
408,	11.4,	32.7,	26,	0.1571	,14:15:33	,15-Sep-2008
409,	9.9,	32.7,	25,	0.1517	,14:16:33	,15-Sep-2008
410,	10.9,	32.8,	25,	0.1364	,14:17:33	,15-Sep-2008
411,	11.3,	32.8,	25,	0.1539	,14:18:33	,15-Sep-2008
412,	10.5,	32.9,	25,	0.1557	,14:19:33	,15-Sep-2008
413,	7.9,	32.9,	24,	0.1494	,14:20:33	,15-Sep-2008
414,	8.6,	33.0,	24,	0.1635	,14:21:33	,15-Sep-2008
415,	8.7,	33.1,	24,	0.1711	,14:22:33	,15-Sep-2008
416,	9.2,	33.1,	24,	0.1571	,14:23:33	,15-Sep-2008

417,	9.4,	33.1,	24,	0.1470	,14:24:33	,15-Sep-2008
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419,	9.5,	33.2,	24,	0.1365	,14:26:33	,15-Sep-2008
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427,	8.3,	33.4,	25,	0.1270	,14:34:33	,15-Sep-2008
428,	9.5,	33.4,	26,	0.1028	,14:35:33	,15-Sep-2008
429,	8.5,	33.5,	26,	0.1338	,14:36:33	,15-Sep-2008
430,	10.2,	33.5,	25,	0.1403	,14:37:33	,15-Sep-2008
431,	8.3,	33.5,	25,	0.1332	,14:38:33	,15-Sep-2008
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436,	9.1,	33.5,	25,	0.1417	,14:43:33	,15-Sep-2008
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438,	8.8,	33.5,	25,	0.1718	,14:45:33	,15-Sep-2008
439,	9.9,	33.5,	26,	0.1156	,14:46:33	,15-Sep-2008
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442,	11.0,	33.6,	25,	0.1685	,14:49:33	,15-Sep-2008
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445,	7.8,	33.7,	24,	0.1389	,14:52:33	,15-Sep-2008
446,	8.4,	33.7,	24,	0.1235	,14:53:33	,15-Sep-2008
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448,	8.8,	33.8,	24,	0.1323	,14:55:33	,15-Sep-2008
449,	7.3,	33.9,	24,	0.1347	,14:56:33	,15-Sep-2008
450,	13.5,	33.9,	24,	0.1471	,14:57:33	,15-Sep-2008
451,	13.8,	33.9,	24,	0.1450	,14:58:33	,15-Sep-2008
452,	10.4,	34.0,	24,	0.1845	,14:59:33	,15-Sep-2008
453,	8.8,	34.0,	24,	0.1543	,15:00:33	,15-Sep-2008
454,	9.7,	34.0,	24,	0.1439	,15:01:33	,15-Sep-2008
455,	7.7,	34.1,	24,	0.1386	,15:02:33	,15-Sep-2008
456,	9.2,	34.1,	24,	0.1635	,15:03:33	,15-Sep-2008
457,	8.3,	34.1,	24,	0.1767	,15:04:33	,15-Sep-2008
458,	8.5,	34.1,	24,	0.1454	,15:05:33	,15-Sep-2008
459,	7.6,	34.1,	24,	0.1410	,15:06:33	,15-Sep-2008
460,	11.9,	34.2,	24,	0.1436	,15:07:33	,15-Sep-2008
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465,	8.8,	34.1,	24,	0.1291	,15:12:33	,15-Sep-2008
466,	8.6,	34.1,	24,	0.0992	,15:13:33	,15-Sep-2008
467,	7.1,	34.1,	23,	0.1121	,15:14:33	,15-Sep-2008
468,	12.9,	34.1,	24,	0.1558	,15:15:33	,15-Sep-2008
469,	10.0,	34.1,	23,	0.1217	,15:16:33	,15-Sep-2008
470,	9.7,	34.1,	23,	0.1057	,15:17:33	,15-Sep-2008
471,	11.6,	34.2,	23,	0.1614	,15:18:33	,15-Sep-2008
472,	15.2,	34.2,	23,	0.1536	,15:19:33	,15-Sep-2008
473,	7.5,	34.2,	23,	0.1604	,15:20:33	,15-Sep-2008
474,	18.5,	34.2,	23,	0.1265	,15:21:33	,15-Sep-2008
475,	7.4,	34.2,	24,	0.1330	,15:22:33	,15-Sep-2008
476,	9.6,	34.2,	24,	0.1434	,15:23:33	,15-Sep-2008
477,	8.1,	34.2,	24,	0.1397	,15:24:33	,15-Sep-2008
478,	9.1,	34.1,	23,	0.1623	,15:25:33	,15-Sep-2008
479,	7.2,	34.1,	24,	0.1332	,15:26:33	,15-Sep-2008

480,	7.7,	34.1,	24,	0.1232	,15:27:33	,15-Sep-2008
481,	7.5,	34.1,	24,	0.1191	,15:28:33	,15-Sep-2008
482,	9.7,	34.0,	24,	0.0972	,15:29:33	,15-Sep-2008
483,	10.0,	34.0,	24,	0.1230	,15:30:33	,15-Sep-2008
484,	17.3,	34.0,	24,	0.1619	,15:31:33	,15-Sep-2008
485,	6.9,	33.9,	24,	0.1361	,15:32:33	,15-Sep-2008
486,	7.0,	33.9,	24,	0.1489	,15:33:33	,15-Sep-2008
487,	8.8,	33.8,	24,	0.1287	,15:34:33	,15-Sep-2008
488,	7.5,	33.7,	25,	0.1282	,15:35:33	,15-Sep-2008
489,	8.4,	33.7,	24,	0.1197	,15:36:33	,15-Sep-2008
490,	7.7,	33.7,	24,	0.1448	,15:37:33	,15-Sep-2008
491,	7.6,	33.6,	24,	0.1309	,15:38:33	,15-Sep-2008
492,	10.4,	33.6,	24,	0.1369	,15:39:33	,15-Sep-2008
493,	19.9,	33.5,	24,	0.1996	,15:40:33	,15-Sep-2008
494,	17.6,	33.5,	24,	0.1766	,15:41:33	,15-Sep-2008
495,	15.2,	33.5,	23,	0.2030	,15:42:33	,15-Sep-2008
496,	11.8,	33.5,	23,	0.1938	,15:43:33	,15-Sep-2008
497,	8.6,	33.4,	23,	0.1668	,15:44:33	,15-Sep-2008
498,	8.4,	33.4,	23,	0.1283	,15:45:33	,15-Sep-2008
499,	9.4,	33.4,	24,	0.1528	,15:46:33	,15-Sep-2008
500,	10.4,	33.4,	24,	0.1631	,15:47:33	,15-Sep-2008
501,	11.5,	33.4,	25,	0.1482	,15:48:33	,15-Sep-2008
502,	10.6,	33.3,	25,	0.1340	,15:49:33	,15-Sep-2008
503,	9.4,	33.3,	25,	0.1574	,15:50:33	,15-Sep-2008
504,	10.6,	33.3,	24,	0.1435	,15:51:33	,15-Sep-2008
505,	10.4,	33.3,	24,	0.1473	,15:52:33	,15-Sep-2008
506,	9.8,	33.2,	24,	0.1447	,15:53:33	,15-Sep-2008
507,	8.5,	33.2,	25,	0.1215	,15:54:33	,15-Sep-2008
508,	9.4,	33.3,	24,	0.1358	,15:55:33	,15-Sep-2008
509,	11.4,	33.3,	24,	0.1443	,15:56:33	,15-Sep-2008
510,	9.7,	33.3,	24,	0.1149	,15:57:33	,15-Sep-2008
511,	9.8,	33.3,	24,	0.1249	,15:58:33	,15-Sep-2008
512,	10.2,	33.3,	24,	0.1260	,15:59:33	,15-Sep-2008
513,	9.2,	33.4,	24,	0.1142	,16:00:33	,15-Sep-2008
514,	12.3,	33.4,	24,	0.1733	,16:01:33	,15-Sep-2008
515,	10.4,	33.4,	24,	0.1790	,16:02:33	,15-Sep-2008
516,	11.5,	33.5,	23,	0.2012	,16:03:33	,15-Sep-2008
517,	10.8,	33.5,	24,	0.1408	,16:04:33	,15-Sep-2008
518,	9.4,	33.5,	24,	0.1194	,16:05:33	,15-Sep-2008
519,	10.3,	33.6,	23,	0.1054	,16:06:33	,15-Sep-2008
520,	9.2,	33.6,	23,	0.1134	,16:07:33	,15-Sep-2008
521,	9.2,	33.6,	23,	0.1402	,16:08:33	,15-Sep-2008
522,	9.6,	33.7,	23,	0.1087	,16:09:33	,15-Sep-2008
523,	7.7,	33.7,	23,	0.1167	,16:10:33	,15-Sep-2008
524,	9.9,	33.8,	23,	0.1497	,16:11:33	,15-Sep-2008
525,	10.5,	33.8,	23,	0.1525	,16:12:33	,15-Sep-2008
526,	9.8,	33.9,	23,	0.1478	,16:13:33	,15-Sep-2008
527,	9.9,	34.0,	23,	0.1305	,16:14:33	,15-Sep-2008
528,	12.0,	34.0,	23,	0.1284	,16:15:33	,15-Sep-2008
529,	8.2,	34.0,	23,	0.1395	,16:16:33	,15-Sep-2008
530,	9.7,	34.1,	22,	0.1455	,16:17:33	,15-Sep-2008
531,	9.7,	34.2,	22,	0.1006	,16:18:33	,15-Sep-2008
532,	10.6,	34.2,	22,	0.1338	,16:19:33	,15-Sep-2008
533,	9.8,	34.3,	23,	0.1482	,16:20:33	,15-Sep-2008
534,	8.1,	34.4,	23,	0.1268	,16:21:33	,15-Sep-2008
535,	8.8,	34.5,	23,	0.1267	,16:22:33	,15-Sep-2008
536,	8.5,	34.5,	23,	0.1138	,16:23:33	,15-Sep-2008
537,	8.4,	34.6,	23,	0.1230	,16:24:33	,15-Sep-2008
538,	8.5,	34.6,	23,	0.1070	,16:25:33	,15-Sep-2008
539,	8.0,	34.7,	24,	0.1051	,16:26:33	,15-Sep-2008
540,	8.8,	34.8,	24,	0.0925	,16:27:33	,15-Sep-2008
541,	9.9,	34.9,	24,	0.1438	,16:28:33	,15-Sep-2008
542,	10.7,	35.0,	24,	0.1591	,16:29:33	,15-Sep-2008

543,	11.0,	35.0,	25,	0.1535	,16:30:33	,15-Sep-2008
544,	8.8,	35.1,	25,	0.1350	,16:31:33	,15-Sep-2008
545,	9.6,	35.2,	25,	0.1196	,16:32:33	,15-Sep-2008
546,	8.8,	35.3,	25,	0.1345	,16:33:33	,15-Sep-2008
547,	8.8,	35.4,	25,	0.1365	,16:34:33	,15-Sep-2008
548,	10.0,	35.5,	25,	0.0949	,16:35:33	,15-Sep-2008
549,	8.4,	35.5,	25,	0.0938	,16:36:33	,15-Sep-2008
550,	9.5,	35.6,	25,	0.1223	,16:37:33	,15-Sep-2008
551,	9.0,	35.6,	26,	0.1070	,16:38:33	,15-Sep-2008
552,	9.3,	35.7,	26,	0.1153	,16:39:33	,15-Sep-2008
553,	9.7,	35.7,	26,	0.0862	,16:40:33	,15-Sep-2008
554,	9.0,	35.8,	25,	0.1261	,16:41:33	,15-Sep-2008
555,	11.1,	35.9,	24,	0.1107	,16:42:33	,15-Sep-2008
556,	11.3,	36.0,	24,	0.1425	,16:43:33	,15-Sep-2008
557,	9.6,	36.0,	24,	0.1005	,16:44:33	,15-Sep-2008
558,	9.2,	36.0,	24,	0.1003	,16:45:33	,15-Sep-2008
559,	9.6,	36.1,	24,	0.1021	,16:46:33	,15-Sep-2008
560,	15.5,	36.1,	24,	0.2117	,16:47:33	,15-Sep-2008
561,	12.3,	36.2,	25,	0.1617	,16:48:33	,15-Sep-2008
562,	12.9,	36.2,	24,	0.1069	,16:49:33	,15-Sep-2008
563,	10.8,	36.2,	24,	0.0837	,16:50:33	,15-Sep-2008
564,	11.9,	36.3,	24,	0.1384	,16:51:33	,15-Sep-2008
565,	12.5,	36.3,	24,	0.1448	,16:52:33	,15-Sep-2008
566,	11.6,	36.3,	24,	0.1551	,16:53:33	,15-Sep-2008
567,	11.1,	36.3,	25,	0.1305	,16:54:33	,15-Sep-2008
568,	9.5,	36.3,	25,	0.1458	,16:55:33	,15-Sep-2008
569,	9.1,	36.4,	25,	0.1108	,16:56:33	,15-Sep-2008
570,	10.7,	36.4,	25,	0.1094	,16:57:33	,15-Sep-2008
571,	8.6,	36.4,	25,	0.0957	,16:58:33	,15-Sep-2008
572,	10.2,	36.4,	25,	0.1027	,16:59:33	,15-Sep-2008
573,	17.0,	36.4,	25,	0.1109	,17:00:33	,15-Sep-2008
574,	11.4,	36.4,	25,	0.1212	,17:01:33	,15-Sep-2008
575,	13.8,	36.4,	25,	0.1326	,17:02:33	,15-Sep-2008
576,	15.2,	36.4,	25,	0.1910	,17:03:33	,15-Sep-2008
577,	12.9,	36.4,	25,	0.1219	,17:04:33	,15-Sep-2008
578,	13.9,	36.4,	25,	0.1280	,17:05:33	,15-Sep-2008
579,	16.1,	36.4,	25,	0.1020	,17:06:33	,15-Sep-2008
580,	13.2,	36.3,	26,	0.1412	,17:07:33	,15-Sep-2008
581,	15.1,	36.3,	26,	0.1145	,17:08:33	,15-Sep-2008
582,	9.8,	36.3,	26,	0.1424	,17:09:33	,15-Sep-2008
583,	11.2,	36.3,	25,	0.1104	,17:10:33	,15-Sep-2008
584,	10.3,	36.3,	24,	0.1264	,17:11:33	,15-Sep-2008
585,	8.6,	36.2,	24,	0.0953	,17:12:33	,15-Sep-2008
586,	9.9,	36.2,	24,	0.1000	,17:13:33	,15-Sep-2008
587,	10.5,	36.2,	24,	0.1058	,17:14:33	,15-Sep-2008
588,	12.2,	36.1,	24,	0.1118	,17:15:33	,15-Sep-2008
589,	10.9,	36.1,	24,	0.1222	,17:16:33	,15-Sep-2008
590,	13.7,	36.0,	24,	0.1147	,17:17:33	,15-Sep-2008
591,	13.3,	36.0,	24,	0.1458	,17:18:33	,15-Sep-2008
592,	11.8,	35.9,	24,	0.1285	,17:19:33	,15-Sep-2008
593,	14.0,	35.9,	24,	0.0567	,17:20:33	,15-Sep-2008
594,	12.3,	35.8,	24,	0.1229	,17:21:33	,15-Sep-2008
595,	13.2,	35.7,	25,	0.1268	,17:22:33	,15-Sep-2008
596,	11.0,	35.7,	25,	0.1057	,17:23:33	,15-Sep-2008
597,	12.1,	35.6,	26,	0.0890	,17:24:33	,15-Sep-2008
598,	12.6,	35.6,	25,	0.1132	,17:25:33	,15-Sep-2008
599,	11.2,	35.5,	25,	0.1023	,17:26:33	,15-Sep-2008
600,	11.1,	35.5,	25,	0.0919	,17:27:33	,15-Sep-2008
601,	13.0,	35.4,	26,	0.1056	,17:28:33	,15-Sep-2008
602,	14.3,	35.4,	26,	0.1536	,17:29:33	,15-Sep-2008
603,	14.2,	35.4,	26,	0.1334	,17:30:33	,15-Sep-2008
604,	14.5,	35.4,	27,	0.1145	,17:31:33	,15-Sep-2008
605,	13.8,	35.3,	27,	0.1412	,17:32:33	,15-Sep-2008

606,	12.9,	35.3,	27,	0.1185	,17:33:33	,15-Sep-2008
607,	13.1,	35.3,	27,	0.1508	,17:34:33	,15-Sep-2008
608,	17.1,	35.2,	26,	0.1244	,17:35:33	,15-Sep-2008
609,	15.8,	35.2,	26,	0.1263	,17:36:33	,15-Sep-2008
610,	17.3,	35.2,	26,	0.1761	,17:37:33	,15-Sep-2008
611,	22.5,	35.2,	26,	0.2109	,17:38:33	,15-Sep-2008
612,	17.2,	35.2,	26,	0.1411	,17:39:33	,15-Sep-2008
613,	12.6,	35.2,	26,	0.1175	,17:40:33	,15-Sep-2008
614,	13.3,	35.2,	26,	0.1030	,17:41:33	,15-Sep-2008
615,	11.1,	35.2,	26,	0.1163	,17:42:33	,15-Sep-2008
616,	7.8,	35.2,	26,	0.1142	,17:43:33	,15-Sep-2008
617,	9.2,	35.2,	26,	0.1222	,17:44:33	,15-Sep-2008
618,	7.9,	35.2,	26,	0.1313	,17:45:33	,15-Sep-2008
619,	8.5,	35.3,	26,	0.1178	,17:46:33	,15-Sep-2008
620,	8.8,	35.3,	26,	0.1076	,17:47:33	,15-Sep-2008
621,	7.7,	35.3,	25,	0.1264	,17:48:33	,15-Sep-2008
622,	8.8,	35.3,	25,	0.1074	,17:49:33	,15-Sep-2008
623,	7.5,	35.3,	25,	0.1384	,17:50:33	,15-Sep-2008
624,	8.6,	35.2,	25,	0.1260	,17:51:33	,15-Sep-2008
625,	7.5,	35.2,	25,	0.1162	,17:52:33	,15-Sep-2008
626,	7.8,	35.2,	25,	0.1120	,17:53:33	,15-Sep-2008
627,	9.1,	35.2,	25,	0.1252	,17:54:33	,15-Sep-2008
628,	8.1,	35.2,	25,	0.1374	,17:55:33	,15-Sep-2008
629,	8.1,	35.2,	25,	0.1033	,17:56:33	,15-Sep-2008
630,	8.8,	35.2,	25,	0.1274	,17:57:33	,15-Sep-2008
631,	8.6,	35.2,	25,	0.1287	,17:58:33	,15-Sep-2008
632,	6.7,	35.2,	25,	0.1300	,17:59:33	,15-Sep-2008
633,	8.3,	35.2,	25,	0.1019	,18:00:33	,15-Sep-2008
634,	8.7,	35.2,	25,	0.1289	,18:01:33	,15-Sep-2008
635,	9.5,	35.2,	25,	0.1058	,18:02:33	,15-Sep-2008
636,	7.3,	35.2,	25,	0.1248	,18:03:33	,15-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** Skip Simpson

DAY OF WEEK & DATE: Mon., Sept 15, 2008 **REPORT NO.** 29

WEATHER Sunny **TEMPERATURE** 59L 85H

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

NOTE: According to Proj. Mgr (SS), George Lotze will not be returning to Wheeler Bay and is committed to another Environcon project.

(07:00) Contractor's safety meeting

PC200 continues to place demarcation fencing, geo-tech fabric followed by select- mixed habitat backfill (bottom 12"), applied water and compact with trac hoe bucket, then place select fill (top 6") and compact material then placed 18" of armor type 3 rock, from approx. sta 5+25 to sta 3+75.
JD544 loading HM30 with backfill material and armor rock stockpiled top of slope and hauling to PC200 at toe of slope.

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

Dust abatement, 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 9-15-8
(signature on hardcopy)

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Fax (503) 924-4707

PROJECT NUMBER	1066-04		
FIELD REPORT NUMBE	30		
PAGE	1	OF	2
DATE	9/16/2008		

PROJECT	Wheeler Bay Stabilization	ARRIVAL TIME	655
LOCATION	Terminal 4	DEPARTURE TIME	1800
CLIENT	Port of Portland	WEATHER	sunny 90F; Winds: NW 2-4 mph
PURPOSE OF OBSERVATIONS	Field Oversight		
ASH CREEK REPRESENTATIVE	D. Urquhart	ASH CREEK PROJECT MANAGER	H. Clough
SUBCONTRACTOR	Envirocon	SUBCONTRACTOR REP.	S. Simpson

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

DAILY INSPECTION LOG:

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

COMMENTS:

Place second lift of select fill and armor rock from 3+80 to 2+50. Place demarcation layer from 15' to 30' NGVD from 7+00 to 5+00. Pull habitat cover a
from 0-10 to 1+00 to 1+00 to 1+80.

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PROJECT NUMBER 1066-04
FIELD REPORT NUMBER 30
PAGE 2 OF 2
DATE #######

DAILY INSPECTION LOG CONT'D:

Construction Element	MEETS INSPECTION CRITERIA			SEE ENVIROCON REPORT	SEE BELOW
	YES	NO	NA		
Temporary Erosion and Sediment Control (TESC)					
TESC Measures	X				
SW Runoff			X		
Surface Water Quality (Tier I: visible sheen and/or turbidity)			X		
Other TESC Measures: _____			X		
Site Conditions					
Equipment	X				
Signage	X				
Restricted Area Fence	X				
Stockpile	X				
Other Site Conditions: _____			X		
Environmental Protection Measures					
Noise Prevention	X				
Dust Prevention	X				
Diesel Exhaust	X				
Prevention of Off-site Tracking of Sediment	X				
Fuel Storage and Fuel Transfers	X				
Fertilizer Application			X		
Other Environmental Protection Measures: _____			X		

Health and Safety	YES	NO	SEE ENVIROCON REPORT	SEE BELOW
Safety Tailgate Meeting	X			
Accidents		X		
Illnesses		X		
Near-miss Incidents		X		
Corrective Action		X		
Other Safety and Health Issues: _____		X		

Day's Activities:

Toe construction 3+80 to 2+50 (see page 1), pull back old habitat cover, and place demarcation layer above 15'.

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:	90	Site Conditions:	dry	Date:	9/15/2008
Min Temp:	60	Winds:	light	Week Day:	Monday
		Precipitation	none	Shift:	7AM-4:30PM

Report Prepared By:

Personnel	WBS Task	Hours	Start	Finish	Equip	No.	Run	Stdby	WBS Task Code	Comments
WES JENSEN	301	10.5	7AM	4:30PM	HM300 ARTIC	Modern	5		301	
RICK MARTIN	301	10.5	7AM	4:30PM	JD450 DOZER	United	1		301	
MIKE MCCOY	301	10.5	7AM	2PM	PC200 EXC.	3366	9		301	
MATTHEW PATCHING	301	10.5	7AM	2PM	WATER TRUCK	United	4		301	
SKIP SIMPSON					JD310 BACKHOE	1196	1		301	
SUZANNE STARKEY					JD544J Loader	United	5		301	

DESCRIPTION OF WORK (detail below):

Air monitoring resumed. Electrical labels installed and covers placed on electrical vault and handhole.

Place select fill to grade STA's 5+50 to 3+80. Place Armor rock STA's 5+50 to 3+80.

Export ~28.45 tons unsuitable fill. Export 29 tons recycle concrete.

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	3+80		7+05		464 SY	1749 SY	X	Addendum No. 1 312000-4
Select Fill	4+70		3+80		80 CY		X	312000-3 (2.3)
Armor Type 3	4+70		3+80		100 CY		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								

COMMENTS (Material Delivered-Removed/Qty.):

75.26 tons Armor Type 3.

Exported 29 TN of unsuitable fill.

DAILY INSPECTION LOG:

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

SAFETY STATUS:

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

Signature Verifying Above: Skip Simpson

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"Model Number", "DataRAM 4 ", 106
"Serial no.  ", "D736      "
"Device no.  ", 1
"Tag Number  ", 1
"Start Time  ", 06:45:00
"Start Date  ", 16-Sep-2008
"Log Period  ", 00:01:00
"Number      ", 676
"CalFactor   ", 1.000000
"Unit        ", 0
"Unit Name   ", "(MASS )ug/m3"
"SIZE_CORRECT", "DISABLED"
"TEMPUNITS   ", C
"Max MASS    ", 154.039300
"Max MASS  @ ", 115  ,08:40:00  ,16-Sep-2008
"Avg MASS    ", 35.701340
"Max Diam    ", 0.408154
"Max Diam @  ", 111  ,08:36:00  ,16-Sep-2008
"Avg Diam    ", 0.171284
"ALARM       ", "DISABLED"
"ALARM_LEVEL ", 0.0
"AUTO_ZERO   ", "DISABLED"
"AZ INTERVAL ", 1
"Errors      ", 0000
record,"(MASS )ug/m3", Temp, RHumidity, Diameter
     1,       50.8,  18.6,   28,   0.2388  ,06:46:00  ,16-Sep-2008
     2,       53.9,  18.6,   34,   0.2315  ,06:47:00  ,16-Sep-2008
     3,       54.2,  18.6,   38,   0.2187  ,06:48:00  ,16-Sep-2008
     4,       61.0,  18.6,   42,   0.2401  ,06:49:00  ,16-Sep-2008
     5,       59.1,  18.5,   44,   0.2246  ,06:50:00  ,16-Sep-2008
     6,       60.9,  18.5,   46,   0.1953  ,06:51:00  ,16-Sep-2008
     7,       58.3,  18.5,   48,   0.2271  ,06:52:00  ,16-Sep-2008
     8,       63.9,  18.4,   49,   0.2805  ,06:53:00  ,16-Sep-2008
     9,       62.7,  18.3,   51,   0.2828  ,06:54:00  ,16-Sep-2008
    10,       63.8,  18.3,   52,   0.2498  ,06:55:00  ,16-Sep-2008
    11,       65.2,  18.2,   53,   0.2556  ,06:56:00  ,16-Sep-2008
    12,       61.4,  18.2,   53,   0.2608  ,06:57:00  ,16-Sep-2008
    13,       67.3,  18.1,   54,   0.2431  ,06:58:00  ,16-Sep-2008
    14,       60.1,  18.1,   55,   0.1960  ,06:59:00  ,16-Sep-2008
    15,       61.6,  18.0,   56,   0.2078  ,07:00:00  ,16-Sep-2008
    16,       68.4,  18.0,   56,   0.2681  ,07:01:00  ,16-Sep-2008
    17,       68.6,  17.9,   57,   0.2691  ,07:02:00  ,16-Sep-2008
    18,       65.0,  17.9,   57,   0.2282  ,07:03:00  ,16-Sep-2008
    19,       68.6,  17.8,   58,   0.2724  ,07:04:00  ,16-Sep-2008
    20,       64.7,  17.8,   58,   0.2504  ,07:05:00  ,16-Sep-2008
    21,       69.2,  17.7,   59,   0.2565  ,07:06:00  ,16-Sep-2008
    22,       69.9,  17.7,   59,   0.2363  ,07:07:00  ,16-Sep-2008
    23,       66.2,  17.6,   60,   0.2602  ,07:08:00  ,16-Sep-2008
    24,       56.3,  17.6,   60,   0.2404  ,07:09:00  ,16-Sep-2008
    25,       57.8,  17.5,   61,   0.2444  ,07:10:00  ,16-Sep-2008
    26,       51.8,  17.5,   61,   0.2480  ,07:11:00  ,16-Sep-2008
    27,       50.8,  17.4,   62,   0.2500  ,07:12:00  ,16-Sep-2008
    28,       49.1,  17.3,   63,   0.2444  ,07:13:00  ,16-Sep-2008
    29,       43.3,  17.2,   63,   0.2143  ,07:14:00  ,16-Sep-2008
    30,       41.1,  17.2,   63,   0.2094  ,07:15:00  ,16-Sep-2008
    31,       41.6,  17.1,   64,   0.2319  ,07:16:00  ,16-Sep-2008
    32,       40.3,  17.1,   64,   0.1889  ,07:17:00  ,16-Sep-2008
    33,       39.4,  17.0,   64,   0.1848  ,07:18:00  ,16-Sep-2008
    34,       37.9,  17.0,   65,   0.1862  ,07:19:00  ,16-Sep-2008
    35,       38.1,  16.9,   65,   0.1938  ,07:20:00  ,16-Sep-2008
    36,       38.5,  16.9,   65,   0.2015  ,07:21:00  ,16-Sep-2008
    37,       36.6,  16.8,   65,   0.1821  ,07:22:00  ,16-Sep-2008
    38,       39.5,  16.8,   65,   0.2044  ,07:23:00  ,16-Sep-2008
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39,	38.7,	16.7,	66,	0.1769	,07:24:00	,16-Sep-2008
40,	41.9,	16.7,	66,	0.2048	,07:25:00	,16-Sep-2008
41,	42.0,	16.7,	67,	0.2150	,07:26:00	,16-Sep-2008
42,	42.9,	16.6,	67,	0.2276	,07:27:00	,16-Sep-2008
43,	42.8,	16.6,	67,	0.1852	,07:28:00	,16-Sep-2008
44,	43.0,	16.6,	67,	0.2239	,07:29:00	,16-Sep-2008
45,	45.1,	16.5,	67,	0.2288	,07:30:00	,16-Sep-2008
46,	45.3,	16.5,	68,	0.2219	,07:31:00	,16-Sep-2008
47,	47.5,	16.5,	68,	0.2532	,07:32:00	,16-Sep-2008
48,	44.7,	16.5,	68,	0.2124	,07:33:00	,16-Sep-2008
49,	45.0,	16.4,	68,	0.2143	,07:34:00	,16-Sep-2008
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51,	50.1,	16.4,	68,	0.2325	,07:36:00	,16-Sep-2008
52,	48.6,	16.3,	69,	0.2084	,07:37:00	,16-Sep-2008
53,	49.6,	16.3,	69,	0.2289	,07:38:00	,16-Sep-2008
54,	57.1,	16.3,	69,	0.2512	,07:39:00	,16-Sep-2008
55,	57.2,	16.2,	69,	0.2519	,07:40:00	,16-Sep-2008
56,	56.8,	16.2,	69,	0.2339	,07:41:00	,16-Sep-2008
57,	57.6,	16.2,	70,	0.2241	,07:42:00	,16-Sep-2008
58,	56.6,	16.2,	70,	0.2175	,07:43:00	,16-Sep-2008
59,	64.2,	16.2,	70,	0.2697	,07:44:00	,16-Sep-2008
60,	73.5,	16.2,	70,	0.3256	,07:45:00	,16-Sep-2008
61,	87.1,	16.2,	70,	0.2805	,07:46:00	,16-Sep-2008
62,	96.1,	16.2,	70,	0.2920	,07:47:00	,16-Sep-2008
63,	93.9,	16.2,	70,	0.3388	,07:48:00	,16-Sep-2008
64,	76.8,	16.2,	71,	0.3164	,07:49:00	,16-Sep-2008
65,	69.8,	16.2,	71,	0.2845	,07:50:00	,16-Sep-2008
66,	63.9,	16.2,	71,	0.2745	,07:51:00	,16-Sep-2008
67,	72.5,	16.2,	71,	0.2594	,07:52:00	,16-Sep-2008
68,	72.4,	16.2,	71,	0.2580	,07:53:00	,16-Sep-2008
69,	71.1,	16.2,	71,	0.2740	,07:54:00	,16-Sep-2008
70,	79.5,	16.2,	71,	0.2871	,07:55:00	,16-Sep-2008
71,	87.0,	16.2,	72,	0.2420	,07:56:00	,16-Sep-2008
72,	88.7,	16.2,	72,	0.2856	,07:57:00	,16-Sep-2008
73,	83.0,	16.2,	72,	0.2990	,07:58:00	,16-Sep-2008
74,	71.0,	16.2,	72,	0.2606	,07:59:00	,16-Sep-2008
75,	66.7,	16.2,	72,	0.2375	,08:00:00	,16-Sep-2008
76,	59.6,	16.2,	72,	0.1960	,08:01:00	,16-Sep-2008
77,	63.4,	16.2,	72,	0.2292	,08:02:00	,16-Sep-2008
78,	63.5,	16.3,	72,	0.2163	,08:03:00	,16-Sep-2008
79,	62.3,	16.2,	72,	0.2194	,08:04:00	,16-Sep-2008
80,	61.9,	16.3,	72,	0.2210	,08:05:00	,16-Sep-2008
81,	62.0,	16.3,	72,	0.2159	,08:06:00	,16-Sep-2008
82,	62.6,	16.3,	73,	0.2234	,08:07:00	,16-Sep-2008
83,	62.6,	16.3,	73,	0.2083	,08:08:00	,16-Sep-2008
84,	66.9,	16.3,	73,	0.2544	,08:09:00	,16-Sep-2008
85,	62.4,	16.3,	73,	0.2149	,08:10:00	,16-Sep-2008
86,	64.2,	16.3,	73,	0.2065	,08:11:00	,16-Sep-2008
87,	64.6,	16.4,	73,	0.2215	,08:12:00	,16-Sep-2008
88,	66.2,	16.4,	73,	0.2418	,08:13:00	,16-Sep-2008
89,	70.1,	16.4,	73,	0.2225	,08:14:00	,16-Sep-2008
90,	77.0,	16.4,	73,	0.2923	,08:15:00	,16-Sep-2008
91,	72.5,	16.5,	73,	0.2843	,08:16:00	,16-Sep-2008
92,	65.9,	16.5,	73,	0.2277	,08:17:00	,16-Sep-2008
93,	63.7,	16.5,	73,	0.2289	,08:18:00	,16-Sep-2008
94,	67.4,	16.5,	73,	0.2383	,08:19:00	,16-Sep-2008
95,	63.3,	16.5,	73,	0.2243	,08:20:00	,16-Sep-2008
96,	62.2,	16.6,	73,	0.2461	,08:21:00	,16-Sep-2008
97,	58.4,	16.6,	73,	0.2261	,08:22:00	,16-Sep-2008
98,	61.3,	16.6,	73,	0.2453	,08:23:00	,16-Sep-2008
99,	60.3,	16.6,	72,	0.2241	,08:24:00	,16-Sep-2008
100,	61.0,	16.7,	72,	0.2460	,08:25:00	,16-Sep-2008
101,	66.0,	16.7,	72,	0.2359	,08:26:00	,16-Sep-2008

102,	76.0,	16.7,	72,	0.2895	,08:27:00	,16-Sep-2008
103,	81.7,	16.7,	72,	0.2510	,08:28:00	,16-Sep-2008
104,	87.8,	16.7,	72,	0.2598	,08:29:00	,16-Sep-2008
105,	110.7,	16.7,	72,	0.2843	,08:30:00	,16-Sep-2008
106,	127.6,	16.8,	72,	0.3251	,08:31:00	,16-Sep-2008
107,	136.9,	16.8,	72,	0.3338	,08:32:00	,16-Sep-2008
108,	139.3,	16.9,	72,	0.3358	,08:33:00	,16-Sep-2008
109,	139.7,	16.9,	72,	0.3755	,08:34:00	,16-Sep-2008
110,	127.4,	16.9,	72,	0.3551	,08:35:00	,16-Sep-2008
111,	125.9,	17.0,	72,	0.4082	,08:36:00	,16-Sep-2008
112,	111.5,	17.0,	72,	0.3546	,08:37:00	,16-Sep-2008
113,	99.6,	17.0,	71,	0.3410	,08:38:00	,16-Sep-2008
114,	89.3,	17.0,	71,	0.3066	,08:39:00	,16-Sep-2008
115,	154.0,	17.0,	71,	0.2842	,08:40:00	,16-Sep-2008
116,	146.3,	17.1,	71,	0.3504	,08:41:00	,16-Sep-2008
117,	84.7,	17.1,	71,	0.2439	,08:42:00	,16-Sep-2008
118,	75.4,	17.1,	71,	0.2328	,08:43:00	,16-Sep-2008
119,	76.6,	17.1,	71,	0.2485	,08:44:00	,16-Sep-2008
120,	75.8,	17.1,	71,	0.2974	,08:45:00	,16-Sep-2008
121,	73.8,	17.2,	71,	0.2833	,08:46:00	,16-Sep-2008
122,	60.9,	17.2,	71,	0.2212	,08:47:00	,16-Sep-2008
123,	65.2,	17.2,	71,	0.2301	,08:48:00	,16-Sep-2008
124,	78.8,	17.3,	70,	0.2539	,08:49:00	,16-Sep-2008
125,	90.0,	17.2,	70,	0.2462	,08:50:00	,16-Sep-2008
126,	72.0,	17.3,	70,	0.2465	,08:51:00	,16-Sep-2008
127,	101.6,	17.3,	70,	0.2687	,08:52:00	,16-Sep-2008
128,	68.4,	17.3,	70,	0.2141	,08:53:00	,16-Sep-2008
129,	71.4,	17.4,	70,	0.2312	,08:54:00	,16-Sep-2008
130,	49.6,	17.4,	70,	0.2239	,08:55:00	,16-Sep-2008
131,	45.0,	17.4,	69,	0.2228	,08:56:00	,16-Sep-2008
132,	46.4,	17.4,	69,	0.2240	,08:57:00	,16-Sep-2008
133,	46.1,	17.5,	69,	0.2148	,08:58:00	,16-Sep-2008
134,	59.9,	17.5,	69,	0.2701	,08:59:00	,16-Sep-2008
135,	58.4,	17.5,	69,	0.2376	,09:00:00	,16-Sep-2008
136,	82.4,	17.5,	69,	0.3129	,09:01:00	,16-Sep-2008
137,	73.7,	17.5,	69,	0.2703	,09:02:00	,16-Sep-2008
138,	79.7,	17.6,	69,	0.2666	,09:03:00	,16-Sep-2008
139,	90.6,	17.6,	69,	0.2653	,09:04:00	,16-Sep-2008
140,	88.0,	17.6,	69,	0.2905	,09:05:00	,16-Sep-2008
141,	72.9,	17.6,	69,	0.2589	,09:06:00	,16-Sep-2008
142,	68.7,	17.6,	69,	0.2440	,09:07:00	,16-Sep-2008
143,	68.6,	17.6,	69,	0.2053	,09:08:00	,16-Sep-2008
144,	119.8,	17.7,	68,	0.2849	,09:09:00	,16-Sep-2008
145,	96.7,	17.7,	68,	0.2738	,09:10:00	,16-Sep-2008
146,	71.1,	17.7,	68,	0.2928	,09:11:00	,16-Sep-2008
147,	61.7,	17.7,	68,	0.2776	,09:12:00	,16-Sep-2008
148,	57.9,	17.8,	68,	0.2540	,09:13:00	,16-Sep-2008
149,	50.6,	17.8,	68,	0.1749	,09:14:00	,16-Sep-2008
150,	52.1,	17.9,	68,	0.2189	,09:15:00	,16-Sep-2008
151,	60.3,	17.9,	68,	0.2450	,09:16:00	,16-Sep-2008
152,	59.5,	17.9,	68,	0.2399	,09:17:00	,16-Sep-2008
153,	71.8,	18.0,	67,	0.2516	,09:18:00	,16-Sep-2008
154,	89.1,	18.0,	68,	0.2578	,09:19:00	,16-Sep-2008
155,	105.7,	18.0,	67,	0.2834	,09:20:00	,16-Sep-2008
156,	82.9,	18.0,	67,	0.2651	,09:21:00	,16-Sep-2008
157,	93.8,	18.1,	67,	0.2597	,09:22:00	,16-Sep-2008
158,	101.2,	18.1,	67,	0.2810	,09:23:00	,16-Sep-2008
159,	67.0,	18.1,	67,	0.2630	,09:24:00	,16-Sep-2008
160,	54.9,	18.1,	67,	0.2147	,09:25:00	,16-Sep-2008
161,	45.9,	18.1,	67,	0.2076	,09:26:00	,16-Sep-2008
162,	45.2,	18.1,	68,	0.1869	,09:27:00	,16-Sep-2008
163,	48.0,	18.1,	68,	0.1890	,09:28:00	,16-Sep-2008
164,	49.6,	18.2,	68,	0.2050	,09:29:00	,16-Sep-2008

165,	50.1,	18.2,	68,	0.2119	,09:30:00	,16-Sep-2008
166,	46.8,	18.2,	68,	0.1868	,09:31:00	,16-Sep-2008
167,	43.0,	18.2,	68,	0.1672	,09:32:00	,16-Sep-2008
168,	44.9,	18.2,	68,	0.1795	,09:33:00	,16-Sep-2008
169,	45.7,	18.2,	68,	0.1919	,09:34:00	,16-Sep-2008
170,	44.0,	18.2,	68,	0.1950	,09:35:00	,16-Sep-2008
171,	39.7,	18.2,	68,	0.1767	,09:36:00	,16-Sep-2008
172,	40.1,	18.2,	68,	0.1931	,09:37:00	,16-Sep-2008
173,	36.6,	18.2,	68,	0.1848	,09:38:00	,16-Sep-2008
174,	38.5,	18.2,	68,	0.1886	,09:39:00	,16-Sep-2008
175,	36.4,	18.2,	68,	0.1885	,09:40:00	,16-Sep-2008
176,	32.0,	18.3,	68,	0.1773	,09:41:00	,16-Sep-2008
177,	27.6,	18.3,	67,	0.1526	,09:42:00	,16-Sep-2008
178,	26.6,	18.3,	67,	0.1439	,09:43:00	,16-Sep-2008
179,	26.7,	18.3,	67,	0.1637	,09:44:00	,16-Sep-2008
180,	29.3,	18.3,	67,	0.1894	,09:45:00	,16-Sep-2008
181,	30.5,	18.3,	67,	0.1673	,09:46:00	,16-Sep-2008
182,	35.8,	18.4,	66,	0.1842	,09:47:00	,16-Sep-2008
183,	35.1,	18.4,	66,	0.1952	,09:48:00	,16-Sep-2008
184,	35.1,	18.4,	66,	0.2128	,09:49:00	,16-Sep-2008
185,	31.8,	18.4,	66,	0.1814	,09:50:00	,16-Sep-2008
186,	34.8,	18.4,	66,	0.1694	,09:51:00	,16-Sep-2008
187,	37.4,	18.4,	66,	0.1710	,09:52:00	,16-Sep-2008
188,	38.1,	18.5,	66,	0.1887	,09:53:00	,16-Sep-2008
189,	32.8,	18.5,	66,	0.1899	,09:54:00	,16-Sep-2008
190,	28.1,	18.5,	66,	0.1499	,09:55:00	,16-Sep-2008
191,	28.5,	18.5,	65,	0.1523	,09:56:00	,16-Sep-2008
192,	31.1,	18.5,	65,	0.1471	,09:57:00	,16-Sep-2008
193,	34.3,	18.5,	65,	0.1721	,09:58:00	,16-Sep-2008
194,	34.5,	18.5,	65,	0.1809	,09:59:00	,16-Sep-2008
195,	33.7,	18.5,	65,	0.1765	,10:00:00	,16-Sep-2008
196,	32.0,	18.6,	65,	0.1729	,10:01:00	,16-Sep-2008
197,	36.9,	18.6,	65,	0.1850	,10:02:00	,16-Sep-2008
198,	38.2,	18.6,	65,	0.1626	,10:03:00	,16-Sep-2008
199,	39.4,	18.6,	65,	0.1736	,10:04:00	,16-Sep-2008
200,	42.1,	18.6,	65,	0.1982	,10:05:00	,16-Sep-2008
201,	41.3,	18.6,	65,	0.1984	,10:06:00	,16-Sep-2008
202,	39.7,	18.7,	65,	0.1976	,10:07:00	,16-Sep-2008
203,	40.2,	18.7,	65,	0.1953	,10:08:00	,16-Sep-2008
204,	40.9,	18.7,	65,	0.1855	,10:09:00	,16-Sep-2008
205,	40.7,	18.7,	65,	0.1891	,10:10:00	,16-Sep-2008
206,	40.6,	18.7,	64,	0.2104	,10:11:00	,16-Sep-2008
207,	35.0,	18.7,	65,	0.1770	,10:12:00	,16-Sep-2008
208,	34.8,	18.8,	65,	0.1610	,10:13:00	,16-Sep-2008
209,	37.8,	18.8,	65,	0.1732	,10:14:00	,16-Sep-2008
210,	36.5,	18.8,	65,	0.1869	,10:15:00	,16-Sep-2008
211,	36.4,	18.8,	65,	0.1817	,10:16:00	,16-Sep-2008
212,	36.1,	18.9,	65,	0.1727	,10:17:00	,16-Sep-2008
213,	36.8,	18.9,	65,	0.1646	,10:18:00	,16-Sep-2008
214,	36.4,	18.9,	65,	0.1818	,10:19:00	,16-Sep-2008
215,	35.5,	18.9,	65,	0.1549	,10:20:00	,16-Sep-2008
216,	36.0,	18.9,	65,	0.1598	,10:21:00	,16-Sep-2008
217,	36.3,	18.9,	65,	0.1688	,10:22:00	,16-Sep-2008
218,	35.3,	19.0,	66,	0.1687	,10:23:00	,16-Sep-2008
219,	35.2,	19.0,	66,	0.1690	,10:24:00	,16-Sep-2008
220,	33.7,	19.0,	66,	0.1567	,10:25:00	,16-Sep-2008
221,	32.8,	19.0,	66,	0.1581	,10:26:00	,16-Sep-2008
222,	35.2,	19.0,	66,	0.1714	,10:27:00	,16-Sep-2008
223,	35.5,	19.0,	66,	0.1822	,10:28:00	,16-Sep-2008
224,	30.1,	19.1,	66,	0.1705	,10:29:00	,16-Sep-2008
225,	28.5,	19.1,	66,	0.1587	,10:30:00	,16-Sep-2008
226,	28.5,	19.1,	66,	0.1567	,10:31:00	,16-Sep-2008
227,	30.5,	19.1,	66,	0.1602	,10:32:00	,16-Sep-2008

228,	31.2,	19.1,	66,	0.1612	,10:33:00	,16-Sep-2008
229,	35.2,	19.1,	66,	0.1989	,10:34:00	,16-Sep-2008
230,	36.0,	19.1,	66,	0.1993	,10:35:00	,16-Sep-2008
231,	36.4,	19.1,	65,	0.1799	,10:36:00	,16-Sep-2008
232,	35.8,	19.2,	65,	0.2079	,10:37:00	,16-Sep-2008
233,	34.9,	19.2,	65,	0.1918	,10:38:00	,16-Sep-2008
234,	33.4,	19.2,	65,	0.1922	,10:39:00	,16-Sep-2008
235,	31.8,	19.2,	65,	0.1796	,10:40:00	,16-Sep-2008
236,	30.2,	19.3,	64,	0.1802	,10:41:00	,16-Sep-2008
237,	26.0,	19.3,	64,	0.1773	,10:42:00	,16-Sep-2008
238,	26.5,	19.4,	63,	0.1518	,10:43:00	,16-Sep-2008
239,	23.8,	19.4,	63,	0.1353	,10:44:00	,16-Sep-2008
240,	29.2,	19.4,	63,	0.2200	,10:45:00	,16-Sep-2008
241,	27.5,	19.5,	63,	0.1663	,10:46:00	,16-Sep-2008
242,	24.3,	19.5,	63,	0.1450	,10:47:00	,16-Sep-2008
243,	23.1,	19.5,	63,	0.1367	,10:48:00	,16-Sep-2008
244,	21.5,	19.6,	63,	0.1415	,10:49:00	,16-Sep-2008
245,	23.2,	19.6,	63,	0.1187	,10:50:00	,16-Sep-2008
246,	24.7,	19.7,	63,	0.1200	,10:51:00	,16-Sep-2008
247,	27.8,	19.7,	63,	0.1568	,10:52:00	,16-Sep-2008
248,	24.3,	19.7,	64,	0.1561	,10:53:00	,16-Sep-2008
249,	21.9,	19.8,	63,	0.1232	,10:54:00	,16-Sep-2008
250,	21.6,	19.8,	63,	0.1335	,10:55:00	,16-Sep-2008
251,	20.5,	19.9,	63,	0.1352	,10:56:00	,16-Sep-2008
252,	20.8,	19.9,	62,	0.1353	,10:57:00	,16-Sep-2008
253,	21.3,	19.9,	62,	0.1292	,10:58:00	,16-Sep-2008
254,	22.5,	20.0,	62,	0.1266	,10:59:00	,16-Sep-2008
255,	21.6,	20.0,	61,	0.1100	,11:00:00	,16-Sep-2008
256,	22.6,	20.0,	61,	0.1172	,11:01:00	,16-Sep-2008
257,	23.6,	20.1,	61,	0.1398	,11:02:00	,16-Sep-2008
258,	24.2,	20.1,	61,	0.1512	,11:03:00	,16-Sep-2008
259,	24.4,	20.2,	61,	0.1568	,11:04:00	,16-Sep-2008
260,	22.4,	20.2,	61,	0.1368	,11:05:00	,16-Sep-2008
261,	22.3,	20.2,	61,	0.1363	,11:06:00	,16-Sep-2008
262,	21.7,	20.3,	61,	0.1433	,11:07:00	,16-Sep-2008
263,	21.0,	20.3,	60,	0.1236	,11:08:00	,16-Sep-2008
264,	23.5,	20.4,	60,	0.1379	,11:09:00	,16-Sep-2008
265,	23.9,	20.4,	60,	0.1686	,11:10:00	,16-Sep-2008
266,	23.4,	20.5,	60,	0.1436	,11:11:00	,16-Sep-2008
267,	23.1,	20.5,	60,	0.1533	,11:12:00	,16-Sep-2008
268,	22.1,	20.6,	60,	0.1441	,11:13:00	,16-Sep-2008
269,	22.8,	20.6,	60,	0.1387	,11:14:00	,16-Sep-2008
270,	21.3,	20.6,	60,	0.1417	,11:15:00	,16-Sep-2008
271,	23.1,	20.7,	59,	0.1629	,11:16:00	,16-Sep-2008
272,	20.3,	20.7,	59,	0.1232	,11:17:00	,16-Sep-2008
273,	20.7,	20.8,	59,	0.1218	,11:18:00	,16-Sep-2008
274,	24.3,	20.9,	59,	0.1352	,11:19:00	,16-Sep-2008
275,	22.1,	20.9,	59,	0.1390	,11:20:00	,16-Sep-2008
276,	20.8,	21.0,	59,	0.1275	,11:21:00	,16-Sep-2008
277,	20.5,	21.0,	59,	0.1246	,11:22:00	,16-Sep-2008
278,	24.7,	21.1,	58,	0.1659	,11:23:00	,16-Sep-2008
279,	23.3,	21.1,	58,	0.1359	,11:24:00	,16-Sep-2008
280,	23.8,	21.2,	58,	0.1777	,11:25:00	,16-Sep-2008
281,	22.5,	21.2,	58,	0.1493	,11:26:00	,16-Sep-2008
282,	21.0,	21.3,	58,	0.1034	,11:27:00	,16-Sep-2008
283,	19.5,	21.4,	57,	0.0926	,11:28:00	,16-Sep-2008
284,	20.4,	21.5,	57,	0.1243	,11:29:00	,16-Sep-2008
285,	20.2,	21.5,	57,	0.1273	,11:30:00	,16-Sep-2008
286,	21.8,	21.6,	57,	0.1309	,11:31:00	,16-Sep-2008
287,	23.4,	21.6,	57,	0.1665	,11:32:00	,16-Sep-2008
288,	20.7,	21.7,	56,	0.1297	,11:33:00	,16-Sep-2008
289,	20.5,	21.8,	56,	0.1128	,11:34:00	,16-Sep-2008
290,	20.7,	21.8,	56,	0.1149	,11:35:00	,16-Sep-2008

291,	21.1,	21.9,	56,	0.1073	,11:36:00	,16-Sep-2008
292,	22.8,	22.0,	56,	0.1363	,11:37:00	,16-Sep-2008
293,	21.5,	22.0,	56,	0.1446	,11:38:00	,16-Sep-2008
294,	22.0,	22.1,	56,	0.1449	,11:39:00	,16-Sep-2008
295,	21.2,	22.1,	55,	0.1385	,11:40:00	,16-Sep-2008
296,	21.2,	22.2,	55,	0.1296	,11:41:00	,16-Sep-2008
297,	21.5,	22.3,	55,	0.1471	,11:42:00	,16-Sep-2008
298,	23.2,	22.3,	55,	0.1505	,11:43:00	,16-Sep-2008
299,	20.6,	22.4,	55,	0.1204	,11:44:00	,16-Sep-2008
300,	22.7,	22.5,	54,	0.1297	,11:45:00	,16-Sep-2008
301,	21.0,	22.6,	54,	0.1395	,11:46:00	,16-Sep-2008
302,	24.6,	22.7,	54,	0.1467	,11:47:00	,16-Sep-2008
303,	23.0,	22.7,	54,	0.1712	,11:48:00	,16-Sep-2008
304,	20.4,	22.8,	54,	0.1411	,11:49:00	,16-Sep-2008
305,	21.9,	22.9,	54,	0.1463	,11:50:00	,16-Sep-2008
306,	19.6,	23.0,	54,	0.1275	,11:51:00	,16-Sep-2008
307,	19.7,	23.0,	53,	0.1207	,11:52:00	,16-Sep-2008
308,	21.2,	23.1,	53,	0.1234	,11:53:00	,16-Sep-2008
309,	21.1,	23.2,	53,	0.1455	,11:54:00	,16-Sep-2008
310,	20.8,	23.2,	53,	0.1301	,11:55:00	,16-Sep-2008
311,	20.3,	23.3,	52,	0.1141	,11:56:00	,16-Sep-2008
312,	20.0,	23.4,	52,	0.1205	,11:57:00	,16-Sep-2008
313,	18.8,	23.5,	52,	0.1097	,11:58:00	,16-Sep-2008
314,	20.6,	23.5,	52,	0.1151	,11:59:00	,16-Sep-2008
315,	19.2,	23.6,	52,	0.0996	,12:00:00	,16-Sep-2008
316,	19.4,	23.7,	52,	0.1046	,12:01:00	,16-Sep-2008
317,	18.2,	23.8,	51,	0.1116	,12:02:00	,16-Sep-2008
318,	18.7,	23.9,	51,	0.1080	,12:03:00	,16-Sep-2008
319,	21.2,	24.0,	51,	0.1668	,12:04:00	,16-Sep-2008
320,	19.1,	24.0,	51,	0.1038	,12:05:00	,16-Sep-2008
321,	16.0,	24.1,	50,	0.0923	,12:06:00	,16-Sep-2008
322,	19.1,	24.2,	50,	0.0927	,12:07:00	,16-Sep-2008
323,	17.2,	24.3,	50,	0.1092	,12:08:00	,16-Sep-2008
324,	16.3,	24.4,	49,	0.0796	,12:09:00	,16-Sep-2008
325,	16.4,	24.6,	48,	0.0939	,12:10:00	,16-Sep-2008
326,	18.4,	24.6,	48,	0.1259	,12:11:00	,16-Sep-2008
327,	20.8,	24.8,	48,	0.1433	,12:12:00	,16-Sep-2008
328,	18.4,	24.9,	48,	0.1425	,12:13:00	,16-Sep-2008
329,	17.6,	25.0,	47,	0.1093	,12:14:00	,16-Sep-2008
330,	18.7,	25.1,	47,	0.1122	,12:15:00	,16-Sep-2008
331,	20.2,	25.2,	46,	0.1226	,12:16:00	,16-Sep-2008
332,	17.5,	25.4,	46,	0.1205	,12:17:00	,16-Sep-2008
333,	19.5,	25.5,	46,	0.1284	,12:18:00	,16-Sep-2008
334,	22.4,	25.6,	45,	0.1592	,12:19:00	,16-Sep-2008
335,	20.4,	25.7,	45,	0.1406	,12:20:00	,16-Sep-2008
336,	22.8,	25.9,	44,	0.1233	,12:21:00	,16-Sep-2008
337,	28.3,	26.0,	44,	0.1933	,12:22:00	,16-Sep-2008
338,	30.9,	26.2,	44,	0.2454	,12:23:00	,16-Sep-2008
339,	22.8,	26.3,	43,	0.2008	,12:24:00	,16-Sep-2008
340,	17.7,	26.4,	43,	0.1007	,12:25:00	,16-Sep-2008
341,	21.2,	26.5,	43,	0.1176	,12:26:00	,16-Sep-2008
342,	20.0,	26.6,	43,	0.1305	,12:27:00	,16-Sep-2008
343,	23.9,	26.7,	43,	0.1539	,12:28:00	,16-Sep-2008
344,	17.8,	26.9,	42,	0.1153	,12:29:00	,16-Sep-2008
345,	22.1,	27.0,	41,	0.1334	,12:30:00	,16-Sep-2008
346,	18.5,	27.1,	41,	0.1371	,12:31:00	,16-Sep-2008
347,	17.1,	27.2,	41,	0.1125	,12:32:00	,16-Sep-2008
348,	19.0,	27.3,	42,	0.1051	,12:33:00	,16-Sep-2008
349,	18.8,	27.4,	43,	0.0948	,12:34:00	,16-Sep-2008
350,	20.6,	27.5,	43,	0.1278	,12:35:00	,16-Sep-2008
351,	20.7,	27.6,	43,	0.1413	,12:36:00	,16-Sep-2008
352,	22.7,	27.7,	42,	0.1472	,12:37:00	,16-Sep-2008
353,	20.5,	27.7,	41,	0.1306	,12:38:00	,16-Sep-2008

354,	19.3,	27.9,	41,	0.1152	,12:39:00	,16-Sep-2008
355,	18.6,	28.0,	41,	0.0918	,12:40:00	,16-Sep-2008
356,	18.3,	28.1,	42,	0.1175	,12:41:00	,16-Sep-2008
357,	18.0,	28.1,	42,	0.0904	,12:42:00	,16-Sep-2008
358,	16.8,	28.2,	42,	0.0772	,12:43:00	,16-Sep-2008
359,	19.3,	28.3,	41,	0.1157	,12:44:00	,16-Sep-2008
360,	21.1,	28.3,	41,	0.1429	,12:45:00	,16-Sep-2008
361,	18.6,	28.4,	41,	0.1183	,12:46:00	,16-Sep-2008
362,	18.4,	28.5,	41,	0.0973	,12:47:00	,16-Sep-2008
363,	19.1,	28.5,	40,	0.1301	,12:48:00	,16-Sep-2008
364,	17.6,	28.6,	41,	0.0762	,12:49:00	,16-Sep-2008
365,	18.5,	28.6,	41,	0.0968	,12:50:00	,16-Sep-2008
366,	19.1,	28.7,	41,	0.1150	,12:51:00	,16-Sep-2008
367,	18.8,	28.7,	41,	0.0962	,12:52:00	,16-Sep-2008
368,	17.6,	28.8,	41,	0.0926	,12:53:00	,16-Sep-2008
369,	17.2,	28.9,	41,	0.1020	,12:54:00	,16-Sep-2008
370,	17.6,	28.9,	40,	0.1030	,12:55:00	,16-Sep-2008
371,	17.5,	29.0,	40,	0.1002	,12:56:00	,16-Sep-2008
372,	18.1,	29.0,	39,	0.1161	,12:57:00	,16-Sep-2008
373,	16.4,	29.0,	39,	0.0867	,12:58:00	,16-Sep-2008
374,	15.2,	29.1,	38,	0.0819	,12:59:00	,16-Sep-2008
375,	16.3,	29.1,	38,	0.0948	,13:00:00	,16-Sep-2008
376,	15.0,	29.1,	38,	0.0639	,13:01:00	,16-Sep-2008
377,	16.8,	29.2,	38,	0.0895	,13:02:00	,16-Sep-2008
378,	16.6,	29.2,	38,	0.0972	,13:03:00	,16-Sep-2008
379,	18.2,	29.2,	38,	0.1055	,13:04:00	,16-Sep-2008
380,	16.4,	29.3,	38,	0.0944	,13:05:00	,16-Sep-2008
381,	17.4,	29.4,	38,	0.0974	,13:06:00	,16-Sep-2008
382,	18.4,	29.4,	37,	0.0957	,13:07:00	,16-Sep-2008
383,	16.9,	29.5,	37,	0.0812	,13:08:00	,16-Sep-2008
384,	18.8,	29.5,	37,	0.0962	,13:09:00	,16-Sep-2008
385,	20.1,	29.6,	37,	0.1278	,13:10:00	,16-Sep-2008
386,	19.9,	29.6,	37,	0.1076	,13:11:00	,16-Sep-2008
387,	20.5,	29.7,	37,	0.1314	,13:12:00	,16-Sep-2008
388,	17.8,	29.7,	37,	0.1186	,13:13:00	,16-Sep-2008
389,	18.3,	29.8,	37,	0.1181	,13:14:00	,16-Sep-2008
390,	19.0,	29.9,	37,	0.1313	,13:15:00	,16-Sep-2008
391,	19.4,	29.9,	37,	0.1208	,13:16:00	,16-Sep-2008
392,	18.3,	30.0,	37,	0.1297	,13:17:00	,16-Sep-2008
393,	18.6,	30.0,	37,	0.1110	,13:18:00	,16-Sep-2008
394,	18.3,	30.1,	37,	0.0993	,13:19:00	,16-Sep-2008
395,	19.2,	30.1,	36,	0.1237	,13:20:00	,16-Sep-2008
396,	19.1,	30.2,	36,	0.1390	,13:21:00	,16-Sep-2008
397,	20.6,	30.2,	35,	0.1222	,13:22:00	,16-Sep-2008
398,	17.7,	30.3,	35,	0.1083	,13:23:00	,16-Sep-2008
399,	17.5,	30.3,	35,	0.0991	,13:24:00	,16-Sep-2008
400,	22.2,	30.4,	35,	0.1035	,13:25:00	,16-Sep-2008
401,	18.5,	30.4,	35,	0.1166	,13:26:00	,16-Sep-2008
402,	19.1,	30.5,	35,	0.1228	,13:27:00	,16-Sep-2008
403,	17.1,	30.5,	35,	0.0923	,13:28:00	,16-Sep-2008
404,	18.5,	30.6,	36,	0.0939	,13:29:00	,16-Sep-2008
405,	17.6,	30.7,	36,	0.0792	,13:30:00	,16-Sep-2008
406,	19.8,	30.7,	36,	0.1093	,13:31:00	,16-Sep-2008
407,	21.1,	30.8,	35,	0.1301	,13:32:00	,16-Sep-2008
408,	21.7,	30.8,	35,	0.1425	,13:33:00	,16-Sep-2008
409,	21.5,	30.9,	35,	0.1285	,13:34:00	,16-Sep-2008
410,	22.0,	31.0,	35,	0.1153	,13:35:00	,16-Sep-2008
411,	21.6,	31.0,	35,	0.1328	,13:36:00	,16-Sep-2008
412,	23.2,	31.1,	35,	0.1204	,13:37:00	,16-Sep-2008
413,	28.5,	31.2,	35,	0.1893	,13:38:00	,16-Sep-2008
414,	23.4,	31.3,	35,	0.1631	,13:39:00	,16-Sep-2008
415,	23.3,	31.4,	34,	0.1327	,13:40:00	,16-Sep-2008
416,	24.4,	31.5,	34,	0.1387	,13:41:00	,16-Sep-2008

417,	27.6,	31.6,	33,	0.1888	,13:42:00	,16-Sep-2008
418,	26.3,	31.6,	33,	0.1748	,13:43:00	,16-Sep-2008
419,	24.9,	31.7,	33,	0.1587	,13:44:00	,16-Sep-2008
420,	25.4,	31.7,	33,	0.1968	,13:45:00	,16-Sep-2008
421,	26.0,	31.8,	33,	0.1658	,13:46:00	,16-Sep-2008
422,	26.0,	31.9,	33,	0.1252	,13:47:00	,16-Sep-2008
423,	28.7,	31.9,	32,	0.1966	,13:48:00	,16-Sep-2008
424,	25.5,	32.0,	32,	0.1332	,13:49:00	,16-Sep-2008
425,	30.4,	32.1,	32,	0.2175	,13:50:00	,16-Sep-2008
426,	33.8,	32.1,	31,	0.2415	,13:51:00	,16-Sep-2008
427,	27.3,	32.2,	31,	0.1870	,13:52:00	,16-Sep-2008
428,	28.7,	32.2,	31,	0.1740	,13:53:00	,16-Sep-2008
429,	26.2,	32.3,	31,	0.1484	,13:54:00	,16-Sep-2008
430,	33.1,	32.3,	31,	0.2413	,13:55:00	,16-Sep-2008
431,	30.9,	32.4,	31,	0.1827	,13:56:00	,16-Sep-2008
432,	28.0,	32.5,	31,	0.1635	,13:57:00	,16-Sep-2008
433,	31.2,	32.6,	31,	0.2086	,13:58:00	,16-Sep-2008
434,	29.1,	32.6,	30,	0.1731	,13:59:00	,16-Sep-2008
435,	30.6,	32.7,	30,	0.1793	,14:00:00	,16-Sep-2008
436,	25.1,	32.8,	30,	0.1714	,14:01:00	,16-Sep-2008
437,	26.6,	32.9,	31,	0.1431	,14:02:00	,16-Sep-2008
438,	26.0,	33.0,	32,	0.1659	,14:03:00	,16-Sep-2008
439,	28.8,	33.0,	32,	0.1629	,14:04:00	,16-Sep-2008
440,	26.0,	33.1,	32,	0.1557	,14:05:00	,16-Sep-2008
441,	28.5,	33.2,	32,	0.1522	,14:06:00	,16-Sep-2008
442,	28.4,	33.2,	31,	0.1944	,14:07:00	,16-Sep-2008
443,	25.6,	33.3,	31,	0.1632	,14:08:00	,16-Sep-2008
444,	26.7,	33.3,	31,	0.1590	,14:09:00	,16-Sep-2008
445,	27.2,	33.4,	31,	0.1886	,14:10:00	,16-Sep-2008
446,	27.3,	33.4,	31,	0.1552	,14:11:00	,16-Sep-2008
447,	26.0,	33.4,	31,	0.1750	,14:12:00	,16-Sep-2008
448,	22.5,	33.5,	31,	0.1146	,14:13:00	,16-Sep-2008
449,	26.4,	33.5,	32,	0.1821	,14:14:00	,16-Sep-2008
450,	23.4,	33.6,	32,	0.1660	,14:15:00	,16-Sep-2008
451,	23.7,	33.6,	32,	0.1222	,14:16:00	,16-Sep-2008
452,	23.7,	33.6,	32,	0.1413	,14:17:00	,16-Sep-2008
453,	21.1,	33.7,	32,	0.1198	,14:18:00	,16-Sep-2008
454,	23.4,	33.7,	31,	0.1583	,14:19:00	,16-Sep-2008
455,	25.7,	33.7,	30,	0.1634	,14:20:00	,16-Sep-2008
456,	21.4,	33.8,	30,	0.1481	,14:21:00	,16-Sep-2008
457,	18.8,	33.8,	30,	0.0614	,14:22:00	,16-Sep-2008
458,	23.4,	33.9,	30,	0.1597	,14:23:00	,16-Sep-2008
459,	20.9,	34.0,	30,	0.1551	,14:24:00	,16-Sep-2008
460,	21.3,	34.0,	30,	0.1304	,14:25:00	,16-Sep-2008
461,	22.9,	34.1,	30,	0.1462	,14:26:00	,16-Sep-2008
462,	20.1,	34.1,	29,	0.1477	,14:27:00	,16-Sep-2008
463,	20.7,	34.2,	29,	0.1115	,14:28:00	,16-Sep-2008
464,	20.2,	34.2,	29,	0.1269	,14:29:00	,16-Sep-2008
465,	19.6,	34.3,	28,	0.1407	,14:30:00	,16-Sep-2008
466,	20.2,	34.4,	28,	0.0982	,14:31:00	,16-Sep-2008
467,	21.4,	34.5,	28,	0.1345	,14:32:00	,16-Sep-2008
468,	22.3,	34.5,	27,	0.1445	,14:33:00	,16-Sep-2008
469,	20.2,	34.6,	27,	0.1215	,14:34:00	,16-Sep-2008
470,	21.8,	34.7,	27,	0.1252	,14:35:00	,16-Sep-2008
471,	20.9,	34.7,	27,	0.1340	,14:36:00	,16-Sep-2008
472,	18.8,	34.8,	27,	0.1188	,14:37:00	,16-Sep-2008
473,	19.8,	35.0,	26,	0.1284	,14:38:00	,16-Sep-2008
474,	20.2,	35.0,	26,	0.1130	,14:39:00	,16-Sep-2008
475,	18.8,	35.1,	26,	0.0946	,14:40:00	,16-Sep-2008
476,	21.1,	35.2,	26,	0.1189	,14:41:00	,16-Sep-2008
477,	22.5,	35.3,	26,	0.1433	,14:42:00	,16-Sep-2008
478,	21.6,	35.3,	26,	0.1379	,14:43:00	,16-Sep-2008
479,	23.0,	35.4,	25,	0.1521	,14:44:00	,16-Sep-2008

480,	20.1,	35.5,	25,	0.0931	,14:45:00	,16-Sep-2008
481,	23.8,	35.5,	25,	0.1769	,14:46:00	,16-Sep-2008
482,	20.5,	35.6,	25,	0.1240	,14:47:00	,16-Sep-2008
483,	21.6,	35.6,	25,	0.1308	,14:48:00	,16-Sep-2008
484,	23.5,	35.7,	25,	0.1356	,14:49:00	,16-Sep-2008
485,	22.0,	35.7,	25,	0.1204	,14:50:00	,16-Sep-2008
486,	24.7,	35.8,	25,	0.1554	,14:51:00	,16-Sep-2008
487,	21.1,	35.8,	24,	0.1126	,14:52:00	,16-Sep-2008
488,	25.6,	35.8,	24,	0.1511	,14:53:00	,16-Sep-2008
489,	28.3,	35.8,	24,	0.1795	,14:54:00	,16-Sep-2008
490,	28.7,	35.9,	24,	0.1711	,14:55:00	,16-Sep-2008
491,	29.2,	35.9,	24,	0.1473	,14:56:00	,16-Sep-2008
492,	26.9,	35.9,	24,	0.1740	,14:57:00	,16-Sep-2008
493,	25.9,	36.0,	24,	0.1866	,14:58:00	,16-Sep-2008
494,	24.0,	36.0,	24,	0.1456	,14:59:00	,16-Sep-2008
495,	23.6,	36.0,	24,	0.1233	,15:00:00	,16-Sep-2008
496,	25.7,	36.0,	24,	0.1776	,15:01:00	,16-Sep-2008
497,	20.1,	36.1,	24,	0.1273	,15:02:00	,16-Sep-2008
498,	22.3,	36.1,	24,	0.1158	,15:03:00	,16-Sep-2008
499,	23.5,	36.2,	24,	0.1242	,15:04:00	,16-Sep-2008
500,	19.8,	36.2,	24,	0.1240	,15:05:00	,16-Sep-2008
501,	20.5,	36.3,	24,	0.0995	,15:06:00	,16-Sep-2008
502,	20.6,	36.3,	24,	0.0992	,15:07:00	,16-Sep-2008
503,	20.1,	36.4,	24,	0.1015	,15:08:00	,16-Sep-2008
504,	23.2,	36.4,	26,	0.1160	,15:09:00	,16-Sep-2008
505,	22.4,	36.5,	27,	0.1333	,15:10:00	,16-Sep-2008
506,	22.0,	36.5,	28,	0.1323	,15:11:00	,16-Sep-2008
507,	18.6,	36.5,	28,	0.0610	,15:12:00	,16-Sep-2008
508,	24.1,	36.6,	28,	0.1330	,15:13:00	,16-Sep-2008
509,	21.1,	36.6,	27,	0.1316	,15:14:00	,16-Sep-2008
510,	19.0,	36.6,	26,	0.1067	,15:15:00	,16-Sep-2008
511,	21.7,	36.6,	26,	0.1275	,15:16:00	,16-Sep-2008
512,	21.1,	36.7,	25,	0.1277	,15:17:00	,16-Sep-2008
513,	21.7,	36.7,	25,	0.1127	,15:18:00	,16-Sep-2008
514,	20.7,	36.7,	24,	0.0929	,15:19:00	,16-Sep-2008
515,	21.4,	36.8,	24,	0.1025	,15:20:00	,16-Sep-2008
516,	23.9,	36.9,	24,	0.1509	,15:21:00	,16-Sep-2008
517,	24.2,	36.9,	23,	0.1457	,15:22:00	,16-Sep-2008
518,	21.5,	37.0,	23,	0.1066	,15:23:00	,16-Sep-2008
519,	21.6,	37.1,	23,	0.0996	,15:24:00	,16-Sep-2008
520,	21.6,	37.1,	23,	0.1216	,15:25:00	,16-Sep-2008
521,	22.4,	37.2,	22,	0.1284	,15:26:00	,16-Sep-2008
522,	21.0,	37.2,	23,	0.1301	,15:27:00	,16-Sep-2008
523,	21.0,	37.3,	23,	0.1231	,15:28:00	,16-Sep-2008
524,	22.2,	37.3,	23,	0.1373	,15:29:00	,16-Sep-2008
525,	23.4,	37.3,	23,	0.1219	,15:30:00	,16-Sep-2008
526,	22.2,	37.4,	23,	0.1507	,15:31:00	,16-Sep-2008
527,	19.9,	37.4,	22,	0.1026	,15:32:00	,16-Sep-2008
528,	21.9,	37.4,	22,	0.1113	,15:33:00	,16-Sep-2008
529,	20.4,	37.3,	22,	0.1210	,15:34:00	,16-Sep-2008
530,	20.4,	37.3,	22,	0.1103	,15:35:00	,16-Sep-2008
531,	22.0,	37.2,	23,	0.1194	,15:36:00	,16-Sep-2008
532,	20.4,	37.2,	23,	0.1014	,15:37:00	,16-Sep-2008
533,	18.2,	37.2,	23,	0.0591	,15:38:00	,16-Sep-2008
534,	21.1,	37.2,	24,	0.0984	,15:39:00	,16-Sep-2008
535,	23.2,	37.2,	24,	0.1162	,15:40:00	,16-Sep-2008
536,	22.3,	37.1,	24,	0.1014	,15:41:00	,16-Sep-2008
537,	26.6,	37.0,	24,	0.1561	,15:42:00	,16-Sep-2008
538,	22.1,	37.0,	24,	0.1327	,15:43:00	,16-Sep-2008
539,	22.7,	36.9,	24,	0.1382	,15:44:00	,16-Sep-2008
540,	24.7,	36.9,	24,	0.1255	,15:45:00	,16-Sep-2008
541,	25.5,	36.8,	24,	0.1981	,15:46:00	,16-Sep-2008
542,	26.3,	36.7,	24,	0.2054	,15:47:00	,16-Sep-2008

543,	22.5,	36.7,	24,	0.1480	,15:48:00	,16-Sep-2008
544,	23.0,	36.7,	24,	0.1288	,15:49:00	,16-Sep-2008
545,	22.3,	36.7,	25,	0.0985	,15:50:00	,16-Sep-2008
546,	26.4,	36.7,	25,	0.1614	,15:51:00	,16-Sep-2008
547,	26.4,	36.7,	26,	0.1844	,15:52:00	,16-Sep-2008
548,	28.7,	36.7,	26,	0.2083	,15:53:00	,16-Sep-2008
549,	27.8,	36.6,	26,	0.1522	,15:54:00	,16-Sep-2008
550,	25.7,	36.7,	26,	0.1411	,15:55:00	,16-Sep-2008
551,	22.8,	36.7,	26,	0.1194	,15:56:00	,16-Sep-2008
552,	20.6,	36.6,	25,	0.0874	,15:57:00	,16-Sep-2008
553,	22.8,	36.7,	25,	0.1080	,15:58:00	,16-Sep-2008
554,	25.5,	36.7,	25,	0.1663	,15:59:00	,16-Sep-2008
555,	22.6,	36.6,	25,	0.1262	,16:00:00	,16-Sep-2008
556,	21.2,	36.6,	25,	0.0946	,16:01:00	,16-Sep-2008
557,	23.1,	36.6,	25,	0.1085	,16:02:00	,16-Sep-2008
558,	23.5,	36.6,	25,	0.1337	,16:03:00	,16-Sep-2008
559,	24.0,	36.5,	26,	0.1135	,16:04:00	,16-Sep-2008
560,	27.5,	36.5,	26,	0.1806	,16:05:00	,16-Sep-2008
561,	24.9,	36.5,	27,	0.1661	,16:06:00	,16-Sep-2008
562,	24.5,	36.5,	27,	0.1469	,16:07:00	,16-Sep-2008
563,	28.9,	36.5,	27,	0.1478	,16:08:00	,16-Sep-2008
564,	59.7,	36.4,	27,	0.2105	,16:09:00	,16-Sep-2008
565,	31.0,	36.4,	27,	0.1911	,16:10:00	,16-Sep-2008
566,	27.2,	36.4,	27,	0.1461	,16:11:00	,16-Sep-2008
567,	32.4,	36.3,	26,	0.1979	,16:12:00	,16-Sep-2008
568,	30.9,	36.3,	26,	0.2055	,16:13:00	,16-Sep-2008
569,	32.6,	36.3,	26,	0.1994	,16:14:00	,16-Sep-2008
570,	33.1,	36.3,	26,	0.2174	,16:15:00	,16-Sep-2008
571,	33.3,	36.3,	25,	0.2108	,16:16:00	,16-Sep-2008
572,	36.1,	36.3,	25,	0.2416	,16:17:00	,16-Sep-2008
573,	29.3,	36.3,	24,	0.1540	,16:18:00	,16-Sep-2008
574,	29.7,	36.3,	24,	0.1740	,16:19:00	,16-Sep-2008
575,	31.3,	36.3,	24,	0.1745	,16:20:00	,16-Sep-2008
576,	32.2,	36.3,	24,	0.2265	,16:21:00	,16-Sep-2008
577,	27.2,	36.4,	24,	0.1533	,16:22:00	,16-Sep-2008
578,	27.5,	36.4,	24,	0.1713	,16:23:00	,16-Sep-2008
579,	29.1,	36.4,	24,	0.1662	,16:24:00	,16-Sep-2008
580,	30.1,	36.4,	24,	0.1714	,16:25:00	,16-Sep-2008
581,	29.3,	36.5,	24,	0.1705	,16:26:00	,16-Sep-2008
582,	29.0,	36.5,	25,	0.1873	,16:27:00	,16-Sep-2008
583,	29.6,	36.5,	25,	0.1767	,16:28:00	,16-Sep-2008
584,	30.8,	36.5,	25,	0.2124	,16:29:00	,16-Sep-2008
585,	27.1,	36.5,	25,	0.1401	,16:30:00	,16-Sep-2008
586,	25.1,	36.4,	25,	0.1472	,16:31:00	,16-Sep-2008
587,	28.7,	36.4,	26,	0.1816	,16:32:00	,16-Sep-2008
588,	28.9,	36.3,	27,	0.1472	,16:33:00	,16-Sep-2008
589,	25.7,	36.2,	28,	0.1350	,16:34:00	,16-Sep-2008
590,	26.2,	36.1,	28,	0.1537	,16:35:00	,16-Sep-2008
591,	24.3,	36.0,	29,	0.1278	,16:36:00	,16-Sep-2008
592,	26.3,	35.9,	29,	0.1633	,16:37:00	,16-Sep-2008
593,	34.2,	35.8,	29,	0.2086	,16:38:00	,16-Sep-2008
594,	33.2,	35.7,	28,	0.1962	,16:39:00	,16-Sep-2008
595,	37.4,	35.6,	27,	0.2531	,16:40:00	,16-Sep-2008
596,	36.7,	35.5,	27,	0.2172	,16:41:00	,16-Sep-2008
597,	34.4,	35.5,	27,	0.2236	,16:42:00	,16-Sep-2008
598,	33.7,	35.4,	27,	0.1883	,16:43:00	,16-Sep-2008
599,	31.7,	35.3,	27,	0.1908	,16:44:00	,16-Sep-2008
600,	32.8,	35.2,	27,	0.2204	,16:45:00	,16-Sep-2008
601,	31.7,	35.1,	27,	0.1859	,16:46:00	,16-Sep-2008
602,	29.4,	35.1,	27,	0.1686	,16:47:00	,16-Sep-2008
603,	30.4,	35.1,	27,	0.1466	,16:48:00	,16-Sep-2008
604,	31.5,	35.0,	27,	0.1848	,16:49:00	,16-Sep-2008
605,	24.9,	35.0,	28,	0.1598	,16:50:00	,16-Sep-2008

606,	23.1,	34.9,	29,	0.1170	,16:51:00	,16-Sep-2008
607,	31.8,	34.8,	29,	0.1582	,16:52:00	,16-Sep-2008
608,	26.3,	34.7,	29,	0.1647	,16:53:00	,16-Sep-2008
609,	33.5,	34.7,	28,	0.1636	,16:54:00	,16-Sep-2008
610,	38.9,	34.6,	28,	0.2318	,16:55:00	,16-Sep-2008
611,	34.8,	34.6,	28,	0.2239	,16:56:00	,16-Sep-2008
612,	29.8,	34.5,	28,	0.1502	,16:57:00	,16-Sep-2008
613,	35.1,	34.5,	28,	0.2368	,16:58:00	,16-Sep-2008
614,	34.9,	34.5,	28,	0.2447	,16:59:00	,16-Sep-2008
615,	30.6,	34.5,	28,	0.1980	,17:00:00	,16-Sep-2008
616,	27.5,	34.4,	28,	0.1711	,17:01:00	,16-Sep-2008
617,	28.3,	34.4,	27,	0.2275	,17:02:00	,16-Sep-2008
618,	31.1,	34.4,	28,	0.1876	,17:03:00	,16-Sep-2008
619,	30.7,	34.4,	27,	0.2339	,17:04:00	,16-Sep-2008
620,	28.0,	34.4,	27,	0.1838	,17:05:00	,16-Sep-2008
621,	27.3,	34.4,	27,	0.1835	,17:06:00	,16-Sep-2008
622,	29.3,	34.4,	27,	0.1964	,17:07:00	,16-Sep-2008
623,	25.5,	34.4,	27,	0.1907	,17:08:00	,16-Sep-2008
624,	26.5,	34.4,	27,	0.1954	,17:09:00	,16-Sep-2008
625,	29.1,	34.4,	27,	0.1807	,17:10:00	,16-Sep-2008
626,	25.5,	34.4,	27,	0.1803	,17:11:00	,16-Sep-2008
627,	23.8,	34.4,	27,	0.1382	,17:12:00	,16-Sep-2008
628,	26.1,	34.4,	27,	0.1442	,17:13:00	,16-Sep-2008
629,	21.7,	34.4,	27,	0.0883	,17:14:00	,16-Sep-2008
630,	22.9,	34.4,	28,	0.1130	,17:15:00	,16-Sep-2008
631,	26.3,	34.4,	28,	0.1842	,17:16:00	,16-Sep-2008
632,	23.7,	34.3,	28,	0.1731	,17:17:00	,16-Sep-2008
633,	24.7,	34.3,	28,	0.1639	,17:18:00	,16-Sep-2008
634,	23.5,	34.3,	28,	0.1318	,17:19:00	,16-Sep-2008
635,	21.1,	34.3,	28,	0.1366	,17:20:00	,16-Sep-2008
636,	25.5,	34.3,	28,	0.1601	,17:21:00	,16-Sep-2008
637,	21.9,	34.3,	28,	0.1405	,17:22:00	,16-Sep-2008
638,	18.0,	34.3,	28,	0.0863	,17:23:00	,16-Sep-2008
639,	25.1,	34.3,	28,	0.1899	,17:24:00	,16-Sep-2008
640,	22.4,	34.3,	29,	0.1522	,17:25:00	,16-Sep-2008
641,	20.2,	34.3,	29,	0.1069	,17:26:00	,16-Sep-2008
642,	21.6,	34.3,	29,	0.1195	,17:27:00	,16-Sep-2008
643,	22.7,	34.2,	29,	0.1374	,17:28:00	,16-Sep-2008
644,	21.5,	34.2,	29,	0.1468	,17:29:00	,16-Sep-2008
645,	22.1,	34.2,	29,	0.1432	,17:30:00	,16-Sep-2008
646,	21.9,	34.1,	29,	0.1341	,17:31:00	,16-Sep-2008
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650,	26.1,	34.0,	29,	0.1793	,17:35:00	,16-Sep-2008
651,	23.0,	34.0,	30,	0.1224	,17:36:00	,16-Sep-2008
652,	22.9,	34.0,	30,	0.1316	,17:37:00	,16-Sep-2008
653,	25.2,	33.9,	30,	0.1483	,17:38:00	,16-Sep-2008
654,	22.4,	33.9,	30,	0.1344	,17:39:00	,16-Sep-2008
655,	26.6,	33.9,	30,	0.1338	,17:40:00	,16-Sep-2008
656,	25.5,	33.8,	30,	0.1380	,17:41:00	,16-Sep-2008
657,	30.0,	33.7,	30,	0.1677	,17:42:00	,16-Sep-2008
658,	22.3,	33.7,	31,	0.1405	,17:43:00	,16-Sep-2008
659,	22.4,	33.7,	31,	0.1129	,17:44:00	,16-Sep-2008
660,	24.6,	33.6,	31,	0.1712	,17:45:00	,16-Sep-2008
661,	20.1,	33.6,	31,	0.1113	,17:46:00	,16-Sep-2008
662,	23.4,	33.5,	31,	0.1947	,17:47:00	,16-Sep-2008
663,	22.3,	33.5,	31,	0.1360	,17:48:00	,16-Sep-2008
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669,	22.4,	33.2,	32,	0.1491	,17:54:00	,16-Sep-2008
670,	21.8,	33.2,	32,	0.1142	,17:55:00	,16-Sep-2008
671,	22.3,	33.2,	32,	0.1188	,17:56:00	,16-Sep-2008
672,	23.5,	33.1,	33,	0.1430	,17:57:00	,16-Sep-2008
673,	24.4,	33.1,	33,	0.1283	,17:58:00	,16-Sep-2008
674,	26.5,	33.1,	33,	0.1411	,17:59:00	,16-Sep-2008
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PORT OF PORTLAND

DAILY DIARY

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

CONTRACTOR Ash Creek Associates, Inc./Envirocon **SUPERINTENDENT** Skip Simpson

DAY OF WEEK & DATE: Tues., Sept 16, 2008 **REPORT NO.** 30

WEATHER Sunny **TEMPERATURE** 59L 85H

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:

(07:00-18:00) Contractor's working hours at Wheeler Bay

(07:00) Contractor's safety meeting

NOTE: Top soil submittal has been rejected do to material not having enough sand to allow for drainage. The habitat cover also remains outstanding do to chemical test results.
Port inspector (PGB) phoned Environcon (SS) about the rejected top soil and the current status on the habitat cover.

PC200 has completed building structural toe of slope (see dwg detail 3/C3) throughout project site
Areas where contractor built 3:1 slope (from sta 0+00 to 4+50) and did not have any common excavated material placed is being scarified by PC200 bucket up to 12" and verified by Ashcreek inspector (Doug).
Today, crew has secured demarcation fence on top of subgrade, from toe of slope to top of bank, between sta 7+75 to sta 5+00 as required by dwg detail 3/C-3.

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 9-16-8
(signature on hardcopy)

Ash Creek Associates, Inc.
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Fax (503) 924-4707

PROJECT NUMBER	1066-04		
FIELD REPORT NUMBE	31		
PAGE	1	OF	2
DATE	9/17/2008		

PROJECT	Wheeler Bay Stabilization	ARRIVAL TIME	655/1600
LOCATION	Terminal 4	DEPARTURE TIME	1140/1755
CLIENT	Port of Portland	WEATHER	sunny 90F; Winds: NW 2-4 mph
PURPOSE OF OBSERVATIONS	Field Oversight		
ASH CREEK REPRESENTATIVE	D. Urquhart and H. Clough	ASH CREEK PROJECT MANAGER	H. Clough
SUBCONTRACTOR	Envirocon	SUBCONTRACTOR REP.	S. Simpson

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

DAILY INSPECTION LOG:

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

COMMENTS:

Place demarcation layer from 15' to 30' NGVD from 5+00 to 2+50. Pull habitat cover at toe from 0+80 to 1+00 to open armor rock at 1+00 to 1+80.

Sub-grade cut at EL 25' to 30' from 2+50 to 5+75.

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PROJECT NUMBER 1066-04
FIELD REPORT NUMBER 31
PAGE 2 OF 2
DATE #######

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:

Pull back old habitat cover, place final grade stakes over entire slope, sub-grade cut and fil, and place demarcation layer above 15'.

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: 80 | Site Conditions: dry
Min Temp: 55 | Winds: Light
Precipitation: none

Report Information.:

Date: 9/17/2008
Week Day: Wednesday
Shift: 7AM-6:00 PM

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	0		302	Subgrade/anchor trench
RICK MARTIN	302	10.5	7AM	6PM	JD450 DOZER	United	0		302	Subgrade/anchor trench
MIKE MCCOY	302	10.5	7AM	6PM	PC200 EXC.	3366	9		302	Subgrade/anchor trench
MATTHEW PATCHING	302	10.5	7AM	6PM	WATER TRUCK	United	3		302	Dust control
SKIP SIMPSON					JD310 BACKHOE	1196			302	Transport materials
SUZANNE STARKEY					JD644J Loader	United	1		302	Manage Stockpile

DESCRIPTION OF WORK (detail below):

Touch up upper slope subgrade, excavate anchor trench for jute matting, STA 2+50 to 5+00.

Built ramp from access road up station.

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.):

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: [signature]

```
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"Avg MASS    ", 66.733000
"Max Diam    ", 0.384689
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"Avg Diam    ", 0.195324
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     3,       61.8,  19.0,   42,   0.2357  ,06:41:08  ,17-Sep-2008
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     5,       70.5,  18.8,   47,   0.2425  ,06:43:08  ,17-Sep-2008
     6,       58.6,  18.7,   48,   0.2289  ,06:44:08  ,17-Sep-2008
     7,       59.1,  18.7,   50,   0.2203  ,06:45:08  ,17-Sep-2008
     8,       56.8,  18.6,   51,   0.2088  ,06:46:08  ,17-Sep-2008
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101,	120.0,	15.2,	75,	0.2553	,08:19:08	,17-Sep-2008

102,	104.0,	15.2,	75,	0.2827	,08:20:08	,17-Sep-2008
103,	102.4,	15.2,	75,	0.2760	,08:21:08	,17-Sep-2008
104,	98.9,	15.2,	75,	0.2469	,08:22:08	,17-Sep-2008
105,	108.1,	15.2,	75,	0.2758	,08:23:08	,17-Sep-2008
106,	108.9,	15.2,	75,	0.2605	,08:24:08	,17-Sep-2008
107,	117.9,	15.2,	75,	0.3179	,08:25:08	,17-Sep-2008
108,	203.6,	15.2,	75,	0.3561	,08:26:08	,17-Sep-2008
109,	129.4,	15.2,	75,	0.3519	,08:27:08	,17-Sep-2008
110,	137.8,	15.3,	75,	0.3313	,08:28:08	,17-Sep-2008
111,	126.3,	15.3,	75,	0.3199	,08:29:08	,17-Sep-2008
112,	108.7,	15.3,	75,	0.2947	,08:30:08	,17-Sep-2008
113,	104.9,	15.3,	75,	0.2716	,08:31:08	,17-Sep-2008
114,	101.1,	15.3,	75,	0.2538	,08:32:08	,17-Sep-2008
115,	103.5,	15.3,	75,	0.2650	,08:33:08	,17-Sep-2008
116,	110.2,	15.3,	75,	0.2686	,08:34:08	,17-Sep-2008
117,	108.4,	15.4,	76,	0.2880	,08:35:08	,17-Sep-2008
118,	112.4,	15.4,	75,	0.2711	,08:36:08	,17-Sep-2008
119,	108.8,	15.4,	76,	0.2733	,08:37:08	,17-Sep-2008
120,	109.3,	15.4,	76,	0.2854	,08:38:08	,17-Sep-2008
121,	106.6,	15.4,	76,	0.2647	,08:39:08	,17-Sep-2008
122,	109.6,	15.4,	76,	0.2785	,08:40:08	,17-Sep-2008
123,	113.7,	15.4,	76,	0.2760	,08:41:08	,17-Sep-2008
124,	117.1,	15.4,	75,	0.2878	,08:42:08	,17-Sep-2008
125,	108.3,	15.5,	76,	0.2678	,08:43:08	,17-Sep-2008
126,	112.6,	15.5,	76,	0.2792	,08:44:08	,17-Sep-2008
127,	112.8,	15.5,	76,	0.2913	,08:45:08	,17-Sep-2008
128,	117.0,	15.5,	76,	0.2879	,08:46:08	,17-Sep-2008
129,	138.2,	15.5,	76,	0.2894	,08:47:08	,17-Sep-2008
130,	122.9,	15.5,	76,	0.2909	,08:48:08	,17-Sep-2008
131,	134.8,	15.6,	76,	0.3153	,08:49:08	,17-Sep-2008
132,	105.0,	15.6,	76,	0.2768	,08:50:08	,17-Sep-2008
133,	111.5,	15.6,	76,	0.2716	,08:51:08	,17-Sep-2008
134,	116.5,	15.6,	76,	0.2770	,08:52:08	,17-Sep-2008
135,	135.7,	15.6,	76,	0.3547	,08:53:08	,17-Sep-2008
136,	133.7,	15.7,	76,	0.3368	,08:54:08	,17-Sep-2008
137,	141.2,	15.7,	76,	0.3230	,08:55:08	,17-Sep-2008
138,	124.1,	15.7,	76,	0.3137	,08:56:08	,17-Sep-2008
139,	120.9,	15.7,	76,	0.2857	,08:57:08	,17-Sep-2008
140,	117.4,	15.7,	76,	0.2765	,08:58:08	,17-Sep-2008
141,	116.9,	15.7,	76,	0.2887	,08:59:08	,17-Sep-2008
142,	114.5,	15.8,	76,	0.2757	,09:00:08	,17-Sep-2008
143,	114.1,	15.8,	76,	0.2722	,09:01:08	,17-Sep-2008
144,	120.1,	15.8,	76,	0.3106	,09:02:08	,17-Sep-2008
145,	115.1,	15.8,	76,	0.2868	,09:03:08	,17-Sep-2008
146,	111.4,	15.8,	76,	0.2723	,09:04:08	,17-Sep-2008
147,	118.5,	15.9,	76,	0.2722	,09:05:08	,17-Sep-2008
148,	120.9,	15.9,	76,	0.2940	,09:06:08	,17-Sep-2008
149,	115.8,	15.9,	76,	0.2777	,09:07:08	,17-Sep-2008
150,	117.7,	15.9,	76,	0.2897	,09:08:08	,17-Sep-2008
151,	111.1,	15.9,	76,	0.2705	,09:09:08	,17-Sep-2008
152,	116.6,	15.9,	76,	0.2751	,09:10:08	,17-Sep-2008
153,	116.8,	15.9,	76,	0.2751	,09:11:08	,17-Sep-2008
154,	118.7,	16.0,	76,	0.2789	,09:12:08	,17-Sep-2008
155,	127.5,	16.0,	76,	0.2962	,09:13:08	,17-Sep-2008
156,	132.2,	16.0,	76,	0.3061	,09:14:08	,17-Sep-2008
157,	127.3,	16.0,	76,	0.2934	,09:15:08	,17-Sep-2008
158,	144.2,	16.0,	76,	0.2970	,09:16:08	,17-Sep-2008
159,	153.6,	16.0,	76,	0.3142	,09:17:08	,17-Sep-2008
160,	160.3,	16.0,	76,	0.3234	,09:18:08	,17-Sep-2008
161,	167.0,	16.0,	76,	0.3335	,09:19:08	,17-Sep-2008
162,	164.5,	16.0,	76,	0.3114	,09:20:08	,17-Sep-2008
163,	167.2,	16.0,	76,	0.3194	,09:21:08	,17-Sep-2008
164,	163.1,	16.0,	76,	0.3339	,09:22:08	,17-Sep-2008

165,	166.6,	16.0,	77,	0.3390	,09:23:08	,17-Sep-2008
166,	164.8,	16.0,	77,	0.3286	,09:24:08	,17-Sep-2008
167,	159.7,	16.0,	77,	0.3328	,09:25:08	,17-Sep-2008
168,	145.2,	16.0,	77,	0.3148	,09:26:08	,17-Sep-2008
169,	143.7,	16.0,	77,	0.3018	,09:27:08	,17-Sep-2008
170,	147.8,	16.0,	77,	0.3028	,09:28:08	,17-Sep-2008
171,	144.7,	16.0,	77,	0.3067	,09:29:08	,17-Sep-2008
172,	140.8,	16.0,	77,	0.3133	,09:30:08	,17-Sep-2008
173,	157.2,	16.0,	77,	0.3362	,09:31:08	,17-Sep-2008
174,	163.8,	16.0,	77,	0.3340	,09:32:08	,17-Sep-2008
175,	173.8,	16.0,	77,	0.3596	,09:33:08	,17-Sep-2008
176,	178.2,	16.0,	77,	0.3563	,09:34:08	,17-Sep-2008
177,	164.8,	16.0,	77,	0.3512	,09:35:08	,17-Sep-2008
178,	168.3,	16.0,	77,	0.3580	,09:36:08	,17-Sep-2008
179,	180.6,	16.1,	78,	0.3703	,09:37:08	,17-Sep-2008
180,	181.1,	16.0,	78,	0.3847	,09:38:08	,17-Sep-2008
181,	165.0,	16.1,	78,	0.3545	,09:39:08	,17-Sep-2008
182,	164.7,	16.0,	78,	0.3454	,09:40:08	,17-Sep-2008
183,	154.2,	16.1,	78,	0.3343	,09:41:08	,17-Sep-2008
184,	150.8,	16.1,	78,	0.3125	,09:42:08	,17-Sep-2008
185,	145.7,	16.1,	78,	0.3071	,09:43:08	,17-Sep-2008
186,	145.4,	16.1,	78,	0.3034	,09:44:08	,17-Sep-2008
187,	148.0,	16.1,	78,	0.3167	,09:45:08	,17-Sep-2008
188,	148.7,	16.1,	78,	0.3228	,09:46:08	,17-Sep-2008
189,	151.9,	16.1,	78,	0.3126	,09:47:08	,17-Sep-2008
190,	151.1,	16.1,	78,	0.3115	,09:48:08	,17-Sep-2008
191,	150.3,	16.1,	78,	0.3101	,09:49:08	,17-Sep-2008
192,	149.7,	16.1,	78,	0.3040	,09:50:08	,17-Sep-2008
193,	153.6,	16.1,	78,	0.3149	,09:51:08	,17-Sep-2008
194,	155.8,	16.1,	78,	0.3101	,09:52:08	,17-Sep-2008
195,	158.5,	16.1,	78,	0.3096	,09:53:08	,17-Sep-2008
196,	161.2,	16.1,	78,	0.3162	,09:54:08	,17-Sep-2008
197,	161.9,	16.1,	78,	0.3189	,09:55:08	,17-Sep-2008
198,	162.6,	16.1,	78,	0.3237	,09:56:08	,17-Sep-2008
199,	152.9,	16.1,	78,	0.3139	,09:57:08	,17-Sep-2008
200,	143.2,	16.1,	78,	0.2966	,09:58:08	,17-Sep-2008
201,	145.2,	16.1,	78,	0.2954	,09:59:08	,17-Sep-2008
202,	164.0,	16.1,	78,	0.3066	,10:00:08	,17-Sep-2008
203,	165.8,	16.1,	78,	0.3180	,10:01:08	,17-Sep-2008
204,	143.4,	16.1,	78,	0.3081	,10:02:08	,17-Sep-2008
205,	127.4,	16.1,	78,	0.2885	,10:03:08	,17-Sep-2008
206,	123.3,	16.1,	78,	0.2824	,10:04:08	,17-Sep-2008
207,	122.9,	16.1,	78,	0.2776	,10:05:08	,17-Sep-2008
208,	134.8,	16.1,	78,	0.2914	,10:06:08	,17-Sep-2008
209,	125.4,	16.1,	78,	0.2835	,10:07:08	,17-Sep-2008
210,	125.7,	16.1,	78,	0.2836	,10:08:08	,17-Sep-2008
211,	122.6,	16.1,	78,	0.2819	,10:09:08	,17-Sep-2008
212,	121.5,	16.1,	78,	0.2795	,10:10:08	,17-Sep-2008
213,	121.9,	16.1,	78,	0.2754	,10:11:08	,17-Sep-2008
214,	127.1,	16.2,	78,	0.2783	,10:12:08	,17-Sep-2008
215,	128.0,	16.2,	78,	0.2941	,10:13:08	,17-Sep-2008
216,	129.3,	16.2,	78,	0.2930	,10:14:08	,17-Sep-2008
217,	124.3,	16.2,	78,	0.2894	,10:15:08	,17-Sep-2008
218,	127.6,	16.2,	79,	0.2807	,10:16:08	,17-Sep-2008
219,	130.0,	16.2,	78,	0.2992	,10:17:08	,17-Sep-2008
220,	109.4,	16.2,	78,	0.2795	,10:18:08	,17-Sep-2008
221,	108.3,	16.2,	78,	0.2733	,10:19:08	,17-Sep-2008
222,	109.1,	16.3,	78,	0.2764	,10:20:08	,17-Sep-2008
223,	105.3,	16.3,	78,	0.2513	,10:21:08	,17-Sep-2008
224,	100.3,	16.4,	78,	0.2425	,10:22:08	,17-Sep-2008
225,	102.3,	16.4,	78,	0.2402	,10:23:08	,17-Sep-2008
226,	107.3,	16.4,	78,	0.2500	,10:24:08	,17-Sep-2008
227,	109.4,	16.4,	78,	0.2660	,10:25:08	,17-Sep-2008

228,	104.3,	16.5,	78,	0.2670	,10:26:08	,17-Sep-2008
229,	99.4,	16.5,	78,	0.2364	,10:27:08	,17-Sep-2008
230,	98.1,	16.5,	78,	0.2347	,10:28:08	,17-Sep-2008
231,	95.1,	16.6,	78,	0.2335	,10:29:08	,17-Sep-2008
232,	94.7,	16.6,	78,	0.2252	,10:30:08	,17-Sep-2008
233,	94.7,	16.6,	78,	0.2292	,10:31:08	,17-Sep-2008
234,	93.2,	16.7,	78,	0.2268	,10:32:08	,17-Sep-2008
235,	92.3,	16.7,	78,	0.2178	,10:33:08	,17-Sep-2008
236,	92.4,	16.7,	78,	0.2258	,10:34:08	,17-Sep-2008
237,	95.4,	16.7,	78,	0.2335	,10:35:08	,17-Sep-2008
238,	95.8,	16.7,	78,	0.2385	,10:36:08	,17-Sep-2008
239,	93.2,	16.7,	78,	0.2237	,10:37:08	,17-Sep-2008
240,	95.8,	16.8,	78,	0.2310	,10:38:08	,17-Sep-2008
241,	94.2,	16.8,	78,	0.2171	,10:39:08	,17-Sep-2008
242,	95.1,	16.8,	78,	0.2288	,10:40:08	,17-Sep-2008
243,	91.5,	16.8,	78,	0.2189	,10:41:08	,17-Sep-2008
244,	90.4,	16.9,	78,	0.2208	,10:42:08	,17-Sep-2008
245,	90.8,	16.9,	78,	0.2193	,10:43:08	,17-Sep-2008
246,	89.1,	16.9,	78,	0.2230	,10:44:08	,17-Sep-2008
247,	90.2,	16.9,	78,	0.2127	,10:45:08	,17-Sep-2008
248,	87.5,	16.9,	78,	0.2093	,10:46:08	,17-Sep-2008
249,	88.3,	17.0,	78,	0.2049	,10:47:08	,17-Sep-2008
250,	86.3,	17.0,	78,	0.2147	,10:48:08	,17-Sep-2008
251,	84.7,	17.0,	78,	0.2055	,10:49:08	,17-Sep-2008
252,	86.5,	17.1,	78,	0.2092	,10:50:08	,17-Sep-2008
253,	84.5,	17.1,	77,	0.2066	,10:51:08	,17-Sep-2008
254,	83.6,	17.1,	77,	0.2054	,10:52:08	,17-Sep-2008
255,	87.3,	17.1,	77,	0.2006	,10:53:08	,17-Sep-2008
256,	90.2,	17.2,	77,	0.2029	,10:54:08	,17-Sep-2008
257,	89.9,	17.2,	77,	0.1950	,10:55:08	,17-Sep-2008
258,	91.8,	17.2,	77,	0.2115	,10:56:08	,17-Sep-2008
259,	90.5,	17.2,	77,	0.2090	,10:57:08	,17-Sep-2008
260,	86.8,	17.3,	77,	0.1992	,10:58:08	,17-Sep-2008
261,	87.5,	17.3,	77,	0.1915	,10:59:08	,17-Sep-2008
262,	86.6,	17.4,	77,	0.1956	,11:00:08	,17-Sep-2008
263,	91.9,	17.4,	77,	0.2035	,11:01:08	,17-Sep-2008
264,	86.6,	17.5,	77,	0.1985	,11:02:08	,17-Sep-2008
265,	85.6,	17.5,	77,	0.2078	,11:03:08	,17-Sep-2008
266,	82.8,	17.6,	76,	0.1970	,11:04:08	,17-Sep-2008
267,	86.1,	17.6,	76,	0.2076	,11:05:08	,17-Sep-2008
268,	86.0,	17.6,	76,	0.2153	,11:06:08	,17-Sep-2008
269,	85.1,	17.7,	76,	0.2184	,11:07:08	,17-Sep-2008
270,	84.3,	17.7,	76,	0.2163	,11:08:08	,17-Sep-2008
271,	83.4,	17.7,	76,	0.2106	,11:09:08	,17-Sep-2008
272,	82.4,	17.8,	76,	0.2035	,11:10:08	,17-Sep-2008
273,	84.7,	17.8,	76,	0.2097	,11:11:08	,17-Sep-2008
274,	83.0,	17.9,	76,	0.2021	,11:12:08	,17-Sep-2008
275,	86.0,	17.9,	75,	0.2150	,11:13:08	,17-Sep-2008
276,	84.7,	17.9,	75,	0.2145	,11:14:08	,17-Sep-2008
277,	79.3,	18.0,	75,	0.2009	,11:15:08	,17-Sep-2008
278,	87.4,	18.0,	75,	0.2230	,11:16:08	,17-Sep-2008
279,	83.6,	18.1,	75,	0.2214	,11:17:08	,17-Sep-2008
280,	84.2,	18.1,	74,	0.2191	,11:18:08	,17-Sep-2008
281,	83.8,	18.2,	74,	0.2078	,11:19:08	,17-Sep-2008
282,	79.9,	18.2,	74,	0.2014	,11:20:08	,17-Sep-2008
283,	79.2,	18.2,	74,	0.2021	,11:21:08	,17-Sep-2008
284,	75.7,	18.3,	74,	0.1878	,11:22:08	,17-Sep-2008
285,	73.9,	18.4,	74,	0.1928	,11:23:08	,17-Sep-2008
286,	70.5,	18.4,	74,	0.1990	,11:24:08	,17-Sep-2008
287,	73.4,	18.5,	73,	0.1987	,11:25:08	,17-Sep-2008
288,	70.7,	18.5,	73,	0.1909	,11:26:08	,17-Sep-2008
289,	70.3,	18.6,	73,	0.1873	,11:27:08	,17-Sep-2008
290,	70.9,	18.6,	73,	0.1857	,11:28:08	,17-Sep-2008

291,	71.3,	18.6,	73,	0.1931	,11:29:08	,17-Sep-2008
292,	68.6,	18.7,	73,	0.1889	,11:30:08	,17-Sep-2008
293,	69.2,	18.7,	72,	0.1981	,11:31:08	,17-Sep-2008
294,	70.4,	18.8,	72,	0.1947	,11:32:08	,17-Sep-2008
295,	72.4,	18.8,	72,	0.1924	,11:33:08	,17-Sep-2008
296,	71.5,	18.9,	72,	0.1817	,11:34:08	,17-Sep-2008
297,	73.2,	18.9,	72,	0.1948	,11:35:08	,17-Sep-2008
298,	72.3,	19.0,	72,	0.1928	,11:36:08	,17-Sep-2008
299,	73.1,	19.0,	72,	0.1916	,11:37:08	,17-Sep-2008
300,	73.5,	19.1,	72,	0.1971	,11:38:08	,17-Sep-2008
301,	72.7,	19.1,	71,	0.1920	,11:39:08	,17-Sep-2008
302,	73.1,	19.2,	71,	0.1895	,11:40:08	,17-Sep-2008
303,	71.0,	19.2,	71,	0.1796	,11:41:08	,17-Sep-2008
304,	70.4,	19.2,	71,	0.1890	,11:42:08	,17-Sep-2008
305,	69.2,	19.3,	71,	0.1855	,11:43:08	,17-Sep-2008
306,	68.6,	19.3,	70,	0.1816	,11:44:08	,17-Sep-2008
307,	68.0,	19.4,	70,	0.1787	,11:45:08	,17-Sep-2008
308,	69.1,	19.4,	70,	0.1918	,11:46:08	,17-Sep-2008
309,	70.5,	19.5,	70,	0.1925	,11:47:08	,17-Sep-2008
310,	70.4,	19.5,	69,	0.1999	,11:48:08	,17-Sep-2008
311,	71.7,	19.6,	69,	0.2011	,11:49:08	,17-Sep-2008
312,	70.3,	19.6,	69,	0.1985	,11:50:08	,17-Sep-2008
313,	85.1,	19.7,	69,	0.2210	,11:51:08	,17-Sep-2008
314,	69.5,	19.7,	69,	0.2025	,11:52:08	,17-Sep-2008
315,	69.1,	19.8,	69,	0.1935	,11:53:08	,17-Sep-2008
316,	67.8,	19.9,	68,	0.1900	,11:54:08	,17-Sep-2008
317,	67.3,	20.0,	68,	0.1834	,11:55:08	,17-Sep-2008
318,	67.6,	20.0,	68,	0.2028	,11:56:08	,17-Sep-2008
319,	66.3,	20.1,	68,	0.2006	,11:57:08	,17-Sep-2008
320,	64.6,	20.2,	68,	0.1834	,11:58:08	,17-Sep-2008
321,	66.1,	20.3,	67,	0.2006	,11:59:08	,17-Sep-2008
322,	66.4,	20.4,	67,	0.2012	,12:00:08	,17-Sep-2008
323,	65.5,	20.4,	67,	0.2041	,12:01:08	,17-Sep-2008
324,	64.7,	20.5,	66,	0.2000	,12:02:08	,17-Sep-2008
325,	66.7,	20.6,	66,	0.2028	,12:03:08	,17-Sep-2008
326,	65.3,	20.6,	66,	0.1842	,12:04:08	,17-Sep-2008
327,	68.4,	20.7,	66,	0.2073	,12:05:08	,17-Sep-2008
328,	65.5,	20.8,	66,	0.1982	,12:06:08	,17-Sep-2008
329,	66.4,	20.9,	66,	0.1949	,12:07:08	,17-Sep-2008
330,	65.6,	20.9,	66,	0.2050	,12:08:08	,17-Sep-2008
331,	63.5,	21.0,	65,	0.2043	,12:09:08	,17-Sep-2008
332,	63.1,	21.1,	65,	0.2032	,12:10:08	,17-Sep-2008
333,	62.4,	21.2,	65,	0.1998	,12:11:08	,17-Sep-2008
334,	62.5,	21.2,	65,	0.1883	,12:12:08	,17-Sep-2008
335,	60.9,	21.3,	65,	0.1859	,12:13:08	,17-Sep-2008
336,	60.9,	21.4,	65,	0.1814	,12:14:08	,17-Sep-2008
337,	58.7,	21.5,	64,	0.1767	,12:15:08	,17-Sep-2008
338,	60.1,	21.5,	64,	0.1820	,12:16:08	,17-Sep-2008
339,	59.5,	21.6,	64,	0.1840	,12:17:08	,17-Sep-2008
340,	58.5,	21.6,	64,	0.1801	,12:18:08	,17-Sep-2008
341,	61.4,	21.7,	64,	0.1915	,12:19:08	,17-Sep-2008
342,	61.0,	21.8,	63,	0.1929	,12:20:08	,17-Sep-2008
343,	62.2,	21.8,	63,	0.1806	,12:21:08	,17-Sep-2008
344,	61.3,	21.9,	63,	0.1886	,12:22:08	,17-Sep-2008
345,	58.3,	22.0,	63,	0.1709	,12:23:08	,17-Sep-2008
346,	57.2,	22.1,	63,	0.1696	,12:24:08	,17-Sep-2008
347,	57.7,	22.1,	62,	0.1733	,12:25:08	,17-Sep-2008
348,	56.6,	22.2,	62,	0.1623	,12:26:08	,17-Sep-2008
349,	57.4,	22.3,	62,	0.1596	,12:27:08	,17-Sep-2008
350,	60.2,	22.3,	61,	0.1778	,12:28:08	,17-Sep-2008
351,	61.8,	22.4,	61,	0.1862	,12:29:08	,17-Sep-2008
352,	62.3,	22.5,	61,	0.1737	,12:30:08	,17-Sep-2008
353,	62.5,	22.5,	61,	0.1582	,12:31:08	,17-Sep-2008

354,	63.8,	22.6,	61,	0.1727	,12:32:08	,17-Sep-2008
355,	63.0,	22.6,	60,	0.1735	,12:33:08	,17-Sep-2008
356,	64.8,	22.7,	60,	0.1726	,12:34:08	,17-Sep-2008
357,	64.4,	22.7,	60,	0.1762	,12:35:08	,17-Sep-2008
358,	65.3,	22.8,	60,	0.1901	,12:36:08	,17-Sep-2008
359,	63.2,	22.9,	60,	0.1829	,12:37:08	,17-Sep-2008
360,	62.2,	23.0,	60,	0.1643	,12:38:08	,17-Sep-2008
361,	65.3,	23.0,	60,	0.1846	,12:39:08	,17-Sep-2008
362,	65.4,	23.0,	60,	0.1727	,12:40:08	,17-Sep-2008
363,	62.9,	23.1,	60,	0.1599	,12:41:08	,17-Sep-2008
364,	65.3,	23.1,	59,	0.1811	,12:42:08	,17-Sep-2008
365,	59.7,	23.2,	59,	0.1734	,12:43:08	,17-Sep-2008
366,	58.6,	23.2,	59,	0.1619	,12:44:08	,17-Sep-2008
367,	55.5,	23.3,	59,	0.1544	,12:45:08	,17-Sep-2008
368,	57.7,	23.3,	59,	0.1592	,12:46:08	,17-Sep-2008
369,	57.7,	23.4,	59,	0.1680	,12:47:08	,17-Sep-2008
370,	59.3,	23.4,	59,	0.1657	,12:48:08	,17-Sep-2008
371,	58.0,	23.5,	59,	0.1647	,12:49:08	,17-Sep-2008
372,	61.9,	23.5,	59,	0.1762	,12:50:08	,17-Sep-2008
373,	60.0,	23.6,	59,	0.1605	,12:51:08	,17-Sep-2008
374,	63.0,	23.6,	59,	0.1727	,12:52:08	,17-Sep-2008
375,	63.8,	23.7,	58,	0.1870	,12:53:08	,17-Sep-2008
376,	62.0,	23.7,	58,	0.1800	,12:54:08	,17-Sep-2008
377,	62.8,	23.8,	58,	0.1745	,12:55:08	,17-Sep-2008
378,	63.2,	23.8,	58,	0.1728	,12:56:08	,17-Sep-2008
379,	62.4,	23.9,	58,	0.1800	,12:57:08	,17-Sep-2008
380,	60.2,	23.9,	58,	0.1740	,12:58:08	,17-Sep-2008
381,	64.1,	24.0,	58,	0.2029	,12:59:08	,17-Sep-2008
382,	63.4,	24.0,	57,	0.2064	,13:00:08	,17-Sep-2008
383,	60.9,	24.1,	57,	0.1831	,13:01:08	,17-Sep-2008
384,	59.5,	24.1,	57,	0.1745	,13:02:08	,17-Sep-2008
385,	59.0,	24.2,	57,	0.1805	,13:03:08	,17-Sep-2008
386,	62.0,	24.2,	57,	0.1853	,13:04:08	,17-Sep-2008
387,	61.5,	24.3,	57,	0.1694	,13:05:08	,17-Sep-2008
388,	62.3,	24.3,	57,	0.1766	,13:06:08	,17-Sep-2008
389,	62.4,	24.4,	57,	0.1779	,13:07:08	,17-Sep-2008
390,	62.6,	24.5,	56,	0.1958	,13:08:08	,17-Sep-2008
391,	61.0,	24.5,	57,	0.1829	,13:09:08	,17-Sep-2008
392,	56.0,	24.5,	57,	0.1676	,13:10:08	,17-Sep-2008
393,	59.4,	24.6,	57,	0.1698	,13:11:08	,17-Sep-2008
394,	55.3,	24.6,	57,	0.1710	,13:12:08	,17-Sep-2008
395,	57.7,	24.6,	57,	0.1814	,13:13:08	,17-Sep-2008
396,	56.0,	24.7,	57,	0.1645	,13:14:08	,17-Sep-2008
397,	50.7,	24.7,	57,	0.1659	,13:15:08	,17-Sep-2008
398,	53.2,	24.8,	56,	0.1682	,13:16:08	,17-Sep-2008
399,	54.0,	24.8,	56,	0.1662	,13:17:08	,17-Sep-2008
400,	54.9,	24.9,	55,	0.1799	,13:18:08	,17-Sep-2008
401,	54.7,	25.0,	55,	0.1775	,13:19:08	,17-Sep-2008
402,	54.4,	25.0,	55,	0.1798	,13:20:08	,17-Sep-2008
403,	58.1,	25.0,	54,	0.1679	,13:21:08	,17-Sep-2008
404,	59.9,	25.1,	53,	0.1796	,13:22:08	,17-Sep-2008
405,	59.8,	25.1,	53,	0.1898	,13:23:08	,17-Sep-2008
406,	55.6,	25.2,	53,	0.1745	,13:24:08	,17-Sep-2008
407,	60.6,	25.2,	53,	0.1799	,13:25:08	,17-Sep-2008
408,	58.1,	25.2,	53,	0.1826	,13:26:08	,17-Sep-2008
409,	55.8,	25.3,	53,	0.1807	,13:27:08	,17-Sep-2008
410,	56.1,	25.3,	52,	0.1893	,13:28:08	,17-Sep-2008
411,	56.7,	25.3,	52,	0.1992	,13:29:08	,17-Sep-2008
412,	53.2,	25.3,	52,	0.1702	,13:30:08	,17-Sep-2008
413,	51.8,	25.4,	52,	0.1754	,13:31:08	,17-Sep-2008
414,	51.7,	25.4,	52,	0.1775	,13:32:08	,17-Sep-2008
415,	53.0,	25.4,	52,	0.1861	,13:33:08	,17-Sep-2008
416,	50.6,	25.5,	51,	0.1810	,13:34:08	,17-Sep-2008

417,	44.7,	25.5,	51,	0.1418	,13:35:08	,17-Sep-2008
418,	48.0,	25.5,	51,	0.1740	,13:36:08	,17-Sep-2008
419,	49.5,	25.6,	51,	0.1836	,13:37:08	,17-Sep-2008
420,	49.2,	25.6,	51,	0.1913	,13:38:08	,17-Sep-2008
421,	47.6,	25.6,	50,	0.1766	,13:39:08	,17-Sep-2008
422,	48.2,	25.6,	51,	0.1693	,13:40:08	,17-Sep-2008
423,	47.5,	25.6,	50,	0.1607	,13:41:08	,17-Sep-2008
424,	50.6,	25.7,	50,	0.2035	,13:42:08	,17-Sep-2008
425,	48.8,	25.7,	50,	0.1819	,13:43:08	,17-Sep-2008
426,	51.2,	25.7,	50,	0.1903	,13:44:08	,17-Sep-2008
427,	51.9,	25.8,	50,	0.1832	,13:45:08	,17-Sep-2008
428,	49.9,	25.8,	50,	0.1940	,13:46:08	,17-Sep-2008
429,	44.8,	25.9,	50,	0.1471	,13:47:08	,17-Sep-2008
430,	44.4,	25.9,	51,	0.1571	,13:48:08	,17-Sep-2008
431,	43.9,	26.0,	51,	0.1529	,13:49:08	,17-Sep-2008
432,	43.6,	26.0,	51,	0.1645	,13:50:08	,17-Sep-2008
433,	51.0,	26.0,	51,	0.1913	,13:51:08	,17-Sep-2008
434,	49.9,	26.1,	51,	0.1952	,13:52:08	,17-Sep-2008
435,	49.4,	26.1,	50,	0.1836	,13:53:08	,17-Sep-2008
436,	49.6,	26.2,	50,	0.1916	,13:54:08	,17-Sep-2008
437,	48.6,	26.2,	49,	0.1832	,13:55:08	,17-Sep-2008
438,	50.1,	26.2,	49,	0.1865	,13:56:08	,17-Sep-2008
439,	52.9,	26.3,	49,	0.2127	,13:57:08	,17-Sep-2008
440,	46.4,	26.3,	49,	0.1524	,13:58:08	,17-Sep-2008
441,	48.8,	26.4,	50,	0.1620	,13:59:08	,17-Sep-2008
442,	46.8,	26.5,	50,	0.1683	,14:00:08	,17-Sep-2008
443,	45.2,	26.5,	50,	0.1548	,14:01:08	,17-Sep-2008
444,	47.6,	26.6,	50,	0.1529	,14:02:08	,17-Sep-2008
445,	46.8,	26.6,	51,	0.1723	,14:03:08	,17-Sep-2008
446,	43.7,	26.6,	51,	0.1731	,14:04:08	,17-Sep-2008
447,	45.1,	26.7,	51,	0.1701	,14:05:08	,17-Sep-2008
448,	45.3,	26.7,	51,	0.1901	,14:06:08	,17-Sep-2008
449,	43.9,	26.7,	51,	0.1686	,14:07:08	,17-Sep-2008
450,	44.8,	26.8,	50,	0.1729	,14:08:08	,17-Sep-2008
451,	42.6,	26.8,	50,	0.1672	,14:09:08	,17-Sep-2008
452,	42.9,	26.9,	49,	0.1599	,14:10:08	,17-Sep-2008
453,	42.5,	26.9,	49,	0.1575	,14:11:08	,17-Sep-2008
454,	41.8,	26.9,	50,	0.1649	,14:12:08	,17-Sep-2008
455,	44.8,	27.0,	49,	0.1660	,14:13:08	,17-Sep-2008
456,	44.8,	27.0,	49,	0.2021	,14:14:08	,17-Sep-2008
457,	43.2,	27.1,	49,	0.1953	,14:15:08	,17-Sep-2008
458,	42.2,	27.1,	49,	0.1819	,14:16:08	,17-Sep-2008
459,	58.9,	27.1,	48,	0.1663	,14:17:08	,17-Sep-2008
460,	45.6,	27.2,	48,	0.1806	,14:18:08	,17-Sep-2008
461,	41.3,	27.2,	48,	0.1669	,14:19:08	,17-Sep-2008
462,	40.1,	27.3,	49,	0.1559	,14:20:08	,17-Sep-2008
463,	40.1,	27.4,	49,	0.1441	,14:21:08	,17-Sep-2008
464,	38.2,	27.4,	49,	0.1327	,14:22:08	,17-Sep-2008
465,	37.7,	27.5,	48,	0.1406	,14:23:08	,17-Sep-2008
466,	37.9,	27.5,	48,	0.1450	,14:24:08	,17-Sep-2008
467,	37.0,	27.5,	48,	0.1409	,14:25:08	,17-Sep-2008
468,	36.9,	27.5,	48,	0.1480	,14:26:08	,17-Sep-2008
469,	35.6,	27.5,	47,	0.1391	,14:27:08	,17-Sep-2008
470,	36.0,	27.6,	47,	0.1625	,14:28:08	,17-Sep-2008
471,	38.6,	27.6,	47,	0.1701	,14:29:08	,17-Sep-2008
472,	36.4,	27.6,	46,	0.1638	,14:30:08	,17-Sep-2008
473,	35.9,	27.6,	46,	0.1554	,14:31:08	,17-Sep-2008
474,	36.4,	27.6,	46,	0.1309	,14:32:08	,17-Sep-2008
475,	37.4,	27.6,	46,	0.1678	,14:33:08	,17-Sep-2008
476,	39.2,	27.7,	46,	0.1783	,14:34:08	,17-Sep-2008
477,	34.3,	27.7,	46,	0.1486	,14:35:08	,17-Sep-2008
478,	35.1,	27.7,	46,	0.1482	,14:36:08	,17-Sep-2008
479,	36.7,	27.7,	46,	0.1592	,14:37:08	,17-Sep-2008

480,	34.2,	27.7,	46,	0.1488	,14:38:08	,17-Sep-2008
481,	34.5,	27.7,	46,	0.1366	,14:39:08	,17-Sep-2008
482,	34.2,	27.7,	46,	0.1342	,14:40:08	,17-Sep-2008
483,	33.9,	27.7,	46,	0.1451	,14:41:08	,17-Sep-2008
484,	34.4,	27.7,	46,	0.1459	,14:42:08	,17-Sep-2008
485,	32.8,	27.7,	46,	0.1373	,14:43:08	,17-Sep-2008
486,	31.5,	27.7,	46,	0.1254	,14:44:08	,17-Sep-2008
487,	31.7,	27.7,	46,	0.1170	,14:45:08	,17-Sep-2008
488,	33.7,	27.7,	46,	0.1428	,14:46:08	,17-Sep-2008
489,	34.7,	27.7,	47,	0.1382	,14:47:08	,17-Sep-2008
490,	33.0,	27.7,	47,	0.1450	,14:48:08	,17-Sep-2008
491,	33.6,	27.7,	47,	0.1176	,14:49:08	,17-Sep-2008
492,	31.3,	27.7,	47,	0.1213	,14:50:08	,17-Sep-2008
493,	32.6,	27.7,	46,	0.1276	,14:51:08	,17-Sep-2008
494,	34.9,	27.7,	46,	0.1649	,14:52:08	,17-Sep-2008
495,	34.5,	27.7,	46,	0.1477	,14:53:08	,17-Sep-2008
496,	32.4,	27.7,	46,	0.1250	,14:54:08	,17-Sep-2008
497,	32.7,	27.7,	46,	0.1349	,14:55:08	,17-Sep-2008
498,	32.6,	27.7,	46,	0.1385	,14:56:08	,17-Sep-2008
499,	32.6,	27.7,	46,	0.1300	,14:57:08	,17-Sep-2008
500,	33.1,	27.7,	46,	0.1287	,14:58:08	,17-Sep-2008
501,	36.4,	27.8,	46,	0.1545	,14:59:08	,17-Sep-2008
502,	33.2,	27.8,	46,	0.1515	,15:00:08	,17-Sep-2008
503,	31.4,	27.8,	45,	0.1285	,15:01:08	,17-Sep-2008
504,	31.4,	27.9,	45,	0.1333	,15:02:08	,17-Sep-2008
505,	30.1,	27.9,	45,	0.1193	,15:03:08	,17-Sep-2008
506,	30.5,	27.9,	45,	0.1164	,15:04:08	,17-Sep-2008
507,	29.9,	27.9,	45,	0.1232	,15:05:08	,17-Sep-2008
508,	31.9,	27.9,	45,	0.1413	,15:06:08	,17-Sep-2008
509,	30.2,	28.0,	45,	0.1073	,15:07:08	,17-Sep-2008
510,	30.6,	28.0,	45,	0.1369	,15:08:08	,17-Sep-2008
511,	28.4,	28.0,	45,	0.1214	,15:09:08	,17-Sep-2008
512,	27.8,	28.0,	45,	0.1331	,15:10:08	,17-Sep-2008
513,	27.3,	28.1,	45,	0.1318	,15:11:08	,17-Sep-2008
514,	27.9,	28.1,	45,	0.1146	,15:12:08	,17-Sep-2008
515,	27.0,	28.1,	45,	0.1137	,15:13:08	,17-Sep-2008
516,	29.0,	28.1,	45,	0.1198	,15:14:08	,17-Sep-2008
517,	30.6,	28.1,	45,	0.1350	,15:15:08	,17-Sep-2008
518,	29.3,	28.1,	45,	0.1247	,15:16:08	,17-Sep-2008
519,	29.5,	28.1,	45,	0.1177	,15:17:08	,17-Sep-2008
520,	29.4,	28.1,	45,	0.1249	,15:18:08	,17-Sep-2008
521,	30.4,	28.1,	45,	0.1283	,15:19:08	,17-Sep-2008
522,	29.3,	28.2,	45,	0.1339	,15:20:08	,17-Sep-2008
523,	29.2,	28.2,	46,	0.1341	,15:21:08	,17-Sep-2008
524,	27.8,	28.2,	45,	0.1249	,15:22:08	,17-Sep-2008
525,	29.5,	28.2,	45,	0.1446	,15:23:08	,17-Sep-2008
526,	28.2,	28.2,	45,	0.1185	,15:24:08	,17-Sep-2008
527,	28.8,	28.2,	45,	0.1137	,15:25:08	,17-Sep-2008
528,	29.5,	28.2,	45,	0.1238	,15:26:08	,17-Sep-2008
529,	28.6,	28.2,	45,	0.1214	,15:27:08	,17-Sep-2008
530,	30.0,	28.2,	45,	0.1212	,15:28:08	,17-Sep-2008
531,	30.4,	28.3,	45,	0.1352	,15:29:08	,17-Sep-2008
532,	31.2,	28.2,	45,	0.1624	,15:30:08	,17-Sep-2008
533,	26.5,	28.3,	45,	0.1156	,15:31:08	,17-Sep-2008
534,	27.1,	28.3,	45,	0.1132	,15:32:08	,17-Sep-2008
535,	27.8,	28.3,	45,	0.1111	,15:33:08	,17-Sep-2008
536,	29.8,	28.3,	45,	0.1380	,15:34:08	,17-Sep-2008
537,	28.7,	28.4,	45,	0.1402	,15:35:08	,17-Sep-2008
538,	29.6,	28.4,	45,	0.1396	,15:36:08	,17-Sep-2008
539,	28.2,	28.4,	45,	0.1278	,15:37:08	,17-Sep-2008
540,	28.8,	28.4,	45,	0.1291	,15:38:08	,17-Sep-2008
541,	27.9,	28.4,	45,	0.1103	,15:39:08	,17-Sep-2008
542,	29.1,	28.4,	45,	0.1502	,15:40:08	,17-Sep-2008

543,	29.1,	28.4,	45,	0.1467	,15:41:08	,17-Sep-2008
544,	27.3,	28.4,	45,	0.1104	,15:42:08	,17-Sep-2008
545,	30.2,	28.4,	45,	0.1310	,15:43:08	,17-Sep-2008
546,	32.6,	28.4,	45,	0.1477	,15:44:08	,17-Sep-2008
547,	29.8,	28.5,	45,	0.1455	,15:45:08	,17-Sep-2008
548,	29.3,	28.4,	45,	0.1285	,15:46:08	,17-Sep-2008
549,	29.6,	28.4,	45,	0.1214	,15:47:08	,17-Sep-2008
550,	30.0,	28.5,	45,	0.1276	,15:48:08	,17-Sep-2008
551,	30.3,	28.5,	45,	0.1436	,15:49:08	,17-Sep-2008
552,	30.0,	28.4,	45,	0.1422	,15:50:08	,17-Sep-2008
553,	34.2,	28.4,	45,	0.1498	,15:51:08	,17-Sep-2008
554,	29.0,	28.5,	45,	0.1488	,15:52:08	,17-Sep-2008
555,	27.2,	28.5,	45,	0.1356	,15:53:08	,17-Sep-2008
556,	26.8,	28.5,	44,	0.1357	,15:54:08	,17-Sep-2008
557,	29.0,	28.5,	45,	0.1455	,15:55:08	,17-Sep-2008
558,	29.5,	28.5,	44,	0.1263	,15:56:08	,17-Sep-2008
559,	28.1,	28.5,	44,	0.1411	,15:57:08	,17-Sep-2008
560,	25.9,	28.6,	44,	0.1215	,15:58:08	,17-Sep-2008
561,	26.9,	28.6,	44,	0.1044	,15:59:08	,17-Sep-2008
562,	27.6,	28.6,	44,	0.1110	,16:00:08	,17-Sep-2008
563,	24.6,	28.6,	44,	0.1186	,16:01:08	,17-Sep-2008
564,	28.4,	28.6,	44,	0.1488	,16:02:08	,17-Sep-2008
565,	25.9,	28.6,	44,	0.1256	,16:03:08	,17-Sep-2008
566,	27.1,	28.6,	44,	0.1276	,16:04:08	,17-Sep-2008
567,	26.5,	28.6,	44,	0.1286	,16:05:08	,17-Sep-2008
568,	25.7,	28.6,	44,	0.1120	,16:06:08	,17-Sep-2008
569,	26.1,	28.6,	44,	0.1108	,16:07:08	,17-Sep-2008
570,	27.1,	28.6,	44,	0.1267	,16:08:08	,17-Sep-2008
571,	27.6,	28.6,	44,	0.1298	,16:09:08	,17-Sep-2008
572,	26.6,	28.6,	44,	0.1215	,16:10:08	,17-Sep-2008
573,	26.9,	28.6,	43,	0.1202	,16:11:08	,17-Sep-2008
574,	25.9,	28.6,	43,	0.1280	,16:12:08	,17-Sep-2008
575,	24.2,	28.6,	44,	0.0993	,16:13:08	,17-Sep-2008
576,	24.5,	28.5,	44,	0.1061	,16:14:08	,17-Sep-2008
577,	24.6,	28.5,	44,	0.0997	,16:15:08	,17-Sep-2008
578,	24.3,	28.5,	44,	0.0824	,16:16:08	,17-Sep-2008
579,	24.7,	28.5,	44,	0.1074	,16:17:08	,17-Sep-2008
580,	26.4,	28.5,	44,	0.1092	,16:18:08	,17-Sep-2008
581,	27.7,	28.5,	44,	0.1367	,16:19:08	,17-Sep-2008
582,	25.0,	28.5,	44,	0.1180	,16:20:08	,17-Sep-2008
583,	24.9,	28.5,	44,	0.1047	,16:21:08	,17-Sep-2008
584,	26.5,	28.5,	44,	0.1464	,16:22:08	,17-Sep-2008
585,	27.1,	28.5,	43,	0.1540	,16:23:08	,17-Sep-2008
586,	27.0,	28.5,	44,	0.1373	,16:24:08	,17-Sep-2008
587,	27.2,	28.5,	44,	0.1427	,16:25:08	,17-Sep-2008
588,	25.0,	28.5,	43,	0.1093	,16:26:08	,17-Sep-2008
589,	25.2,	28.6,	44,	0.1389	,16:27:08	,17-Sep-2008
590,	26.4,	28.6,	43,	0.1295	,16:28:08	,17-Sep-2008
591,	22.8,	28.6,	43,	0.1064	,16:29:08	,17-Sep-2008
592,	24.9,	28.6,	44,	0.1198	,16:30:08	,17-Sep-2008
593,	23.6,	28.6,	43,	0.1237	,16:31:08	,17-Sep-2008
594,	23.5,	28.6,	43,	0.1133	,16:32:08	,17-Sep-2008
595,	26.4,	28.6,	43,	0.1390	,16:33:08	,17-Sep-2008
596,	24.0,	28.6,	43,	0.1144	,16:34:08	,17-Sep-2008
597,	23.4,	28.6,	43,	0.1041	,16:35:08	,17-Sep-2008
598,	25.1,	28.6,	43,	0.1328	,16:36:08	,17-Sep-2008
599,	26.6,	28.6,	43,	0.1168	,16:37:08	,17-Sep-2008
600,	25.3,	28.6,	43,	0.1246	,16:38:08	,17-Sep-2008
601,	25.7,	28.6,	43,	0.1185	,16:39:08	,17-Sep-2008
602,	29.4,	28.6,	43,	0.1329	,16:40:08	,17-Sep-2008
603,	22.9,	28.6,	43,	0.1078	,16:41:08	,17-Sep-2008
604,	32.4,	28.6,	43,	0.1137	,16:42:08	,17-Sep-2008
605,	31.0,	28.6,	43,	0.1666	,16:43:08	,17-Sep-2008

606,	38.7,	28.6,	43,	0.1674	,16:44:08	,17-Sep-2008
607,	35.4,	28.5,	43,	0.1984	,16:45:08	,17-Sep-2008
608,	33.4,	28.6,	43,	0.1381	,16:46:08	,17-Sep-2008
609,	34.6,	28.5,	43,	0.1596	,16:47:08	,17-Sep-2008
610,	32.2,	28.5,	43,	0.1226	,16:48:08	,17-Sep-2008
611,	28.7,	28.5,	43,	0.1278	,16:49:08	,17-Sep-2008
612,	31.0,	28.5,	43,	0.1263	,16:50:08	,17-Sep-2008
613,	31.3,	28.5,	43,	0.1092	,16:51:08	,17-Sep-2008
614,	32.7,	28.5,	43,	0.1218	,16:52:08	,17-Sep-2008
615,	35.3,	28.5,	42,	0.1340	,16:53:08	,17-Sep-2008
616,	36.9,	28.5,	42,	0.1778	,16:54:08	,17-Sep-2008
617,	27.3,	28.5,	42,	0.1267	,16:55:08	,17-Sep-2008
618,	28.3,	28.5,	42,	0.1145	,16:56:08	,17-Sep-2008
619,	29.2,	28.5,	42,	0.1187	,16:57:08	,17-Sep-2008
620,	26.0,	28.5,	42,	0.1139	,16:58:08	,17-Sep-2008
621,	21.8,	28.5,	42,	0.1090	,16:59:08	,17-Sep-2008
622,	21.2,	28.5,	42,	0.0889	,17:00:08	,17-Sep-2008
623,	22.5,	28.4,	42,	0.1092	,17:01:08	,17-Sep-2008
624,	21.3,	28.4,	42,	0.0839	,17:02:08	,17-Sep-2008
625,	21.1,	28.4,	42,	0.0937	,17:03:08	,17-Sep-2008
626,	21.8,	28.3,	42,	0.1067	,17:04:08	,17-Sep-2008
627,	21.2,	28.2,	42,	0.1231	,17:05:08	,17-Sep-2008
628,	22.7,	28.2,	43,	0.1145	,17:06:08	,17-Sep-2008
629,	19.6,	28.2,	43,	0.1047	,17:07:08	,17-Sep-2008
630,	20.6,	28.1,	43,	0.0932	,17:08:08	,17-Sep-2008
631,	21.3,	28.1,	43,	0.1139	,17:09:08	,17-Sep-2008
632,	22.7,	28.0,	43,	0.1312	,17:10:08	,17-Sep-2008
633,	22.1,	28.0,	43,	0.1171	,17:11:08	,17-Sep-2008
634,	21.3,	27.9,	43,	0.1160	,17:12:08	,17-Sep-2008
635,	20.8,	27.9,	43,	0.1264	,17:13:08	,17-Sep-2008
636,	21.3,	27.8,	44,	0.1253	,17:14:08	,17-Sep-2008
637,	20.2,	27.8,	43,	0.0897	,17:15:08	,17-Sep-2008
638,	19.9,	27.7,	44,	0.0916	,17:16:08	,17-Sep-2008
639,	20.7,	27.7,	44,	0.1056	,17:17:08	,17-Sep-2008
640,	20.8,	27.6,	44,	0.1302	,17:18:08	,17-Sep-2008
641,	19.2,	27.6,	45,	0.1153	,17:19:08	,17-Sep-2008
642,	21.7,	27.5,	45,	0.0954	,17:20:08	,17-Sep-2008
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646,	16.9,	27.4,	45,	0.0897	,17:24:08	,17-Sep-2008
647,	17.2,	27.3,	46,	0.0815	,17:25:08	,17-Sep-2008
648,	19.0,	27.3,	46,	0.1343	,17:26:08	,17-Sep-2008
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650,	17.3,	27.2,	46,	0.1062	,17:28:08	,17-Sep-2008
651,	18.8,	27.2,	46,	0.1255	,17:29:08	,17-Sep-2008
652,	18.5,	27.1,	46,	0.1168	,17:30:08	,17-Sep-2008
653,	17.7,	27.1,	46,	0.1070	,17:31:08	,17-Sep-2008
654,	20.5,	27.0,	46,	0.1411	,17:32:08	,17-Sep-2008
655,	19.7,	27.0,	47,	0.1489	,17:33:08	,17-Sep-2008
656,	21.3,	27.0,	46,	0.1302	,17:34:08	,17-Sep-2008
657,	20.7,	27.0,	47,	0.1405	,17:35:08	,17-Sep-2008
658,	19.3,	27.0,	47,	0.1472	,17:36:08	,17-Sep-2008
659,	24.9,	27.0,	46,	0.1830	,17:37:08	,17-Sep-2008
660,	19.5,	27.0,	46,	0.1294	,17:38:08	,17-Sep-2008
661,	18.4,	27.0,	46,	0.1216	,17:39:08	,17-Sep-2008
662,	19.6,	27.0,	46,	0.1278	,17:40:08	,17-Sep-2008
663,	20.3,	27.0,	46,	0.1398	,17:41:08	,17-Sep-2008
664,	20.0,	27.0,	45,	0.1334	,17:42:08	,17-Sep-2008
665,	19.9,	27.0,	45,	0.1408	,17:43:08	,17-Sep-2008
666,	20.2,	27.0,	45,	0.0932	,17:44:08	,17-Sep-2008
667,	20.5,	27.0,	45,	0.1171	,17:45:08	,17-Sep-2008
668,	24.9,	27.0,	45,	0.1649	,17:46:08	,17-Sep-2008

669,	16.8,	27.0,	45,	0.1126	,17:47:08	,17-Sep-2008
670,	16.1,	26.9,	45,	0.1183	,17:48:08	,17-Sep-2008
671,	15.5,	26.9,	45,	0.0997	,17:49:08	,17-Sep-2008
672,	16.1,	26.9,	45,	0.0904	,17:50:08	,17-Sep-2008
673,	18.6,	26.9,	45,	0.1121	,17:51:08	,17-Sep-2008
674,	20.7,	26.8,	45,	0.1683	,17:52:08	,17-Sep-2008
675,	22.8,	26.8,	45,	0.2528	,17:53:08	,17-Sep-2008
676,	16.4,	26.7,	45,	0.1321	,17:54:08	,17-Sep-2008
677,	19.5,	26.7,	45,	0.1658	,17:55:08	,17-Sep-2008
678,	24.0,	26.7,	45,	0.1831	,17:56:08	,17-Sep-2008
679,	21.6,	26.6,	45,	0.2062	,17:57:08	,17-Sep-2008
680,	15.6,	26.6,	46,	0.1417	,17:58:08	,17-Sep-2008
681,	15.9,	26.6,	46,	0.1160	,17:59:08	,17-Sep-2008
682,	16.5,	26.5,	46,	0.1475	,18:00:08	,17-Sep-2008
683,	13.7,	26.5,	46,	0.1051	,18:01:08	,17-Sep-2008
684,	13.0,	26.4,	46,	0.0936	,18:02:08	,17-Sep-2008
685,	14.5,	26.4,	46,	0.1186	,18:03:08	,17-Sep-2008
686,	13.2,	26.3,	46,	0.1064	,18:04:08	,17-Sep-2008
687,	15.9,	26.2,	46,	0.1459	,18:05:08	,17-Sep-2008
688,	14.2,	26.2,	46,	0.1770	,18:06:08	,17-Sep-2008
689,	15.0,	26.1,	46,	0.1536	,18:07:08	,17-Sep-2008
690,	13.0,	26.1,	46,	0.1170	,18:08:08	,17-Sep-2008
691,	14.1,	26.0,	46,	0.0986	,18:09:08	,17-Sep-2008
692,	14.4,	26.0,	46,	0.1118	,18:10:08	,17-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** Skip Simpson

DAY OF WEEK & DATE: Wed., Sept 17, 2008 **REPORT NO.** 31

WEATHER Sunny **TEMPERATURE** 60L 83H

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:

(07:00-18:00) Contractor's working hours at Wheeler Bay

(07:00) Contractor's safety meeting
Port (PGB) with Anchor engineer (JV) visited site reviewed work in progress by Environcon.

(10:30) Project weekly meeting held at T4 admin building
Topsoil material submittal is still rejected, but Port/Anchor/Ashcreek/Environcon working together to import already tested and approved sand, blend with submitted topsoil and verify gradation for acceptance.
Compost material also needs to be verified by Anchor for acceptance.

Crew continues to secure demarcation fence on top of subgrade, from toe of slope to top of bank, between sta 7+75 to sta 3+50 as required by dwg detail 3/C-3.

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 9-17-8
(signature on hardcopy)

Ash Creek Associates, Inc.
Environmental and Geotechnical Consultants
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Portland, Oregon 97005-4814
wwwashcreekassociates.com
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Fax (503) 924-4707

PROJECT NUMBER	1066-04		
FIELD REPORT NUMBER	32		
PAGE	1	OF	2
DATE	9/18/2008		

PROJECT	Wheeler Bay Stabilization	ARRIVAL TIME	655
LOCATION	Terminal 4	DEPARTURE TIME	1730
CLIENT	Port of Portland	WEATHER	cloudy 65F; Winds: NW 5-7 mph
PURPOSE OF OBSERVATIONS	Field Oversight		
ASH CREEK REPRESENTATIVE	D. Urquhart and H. Clough	ASH CREEK PROJECT MANAGER	H. Clough
SUBCONTRACTOR	Envirocon	SUBCONTRACTOR REP.	S. Simpson

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

DAILY INSPECTION LOG:

Construction Element	MEETS INSPECTION CRITERIA			SEE ENVIROCON REPORT	SEE BELOW
	YES	NO	NA		
Site Preparation					
Erosion Control Installation			X		
Clearing and Grubbing	X			X	X
Load Out Excess Cut			X		
Debris Clear of Excess Soil			X		
Shoreline Stabilization					
Sub-grade Cut and Fill	X			X	X
Demarcation Layer	X			X	X
Select Fill	X			X	X
Filter Fabric	X			X	X
Armor (ODOT Class 100)	X			X	X
Material					
Physical/Chemical Testing of Import Material			X		
Visual Inspection			X		
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
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:

Clear and grub from 7+70 to 8+10 EL 25'-30' at 2:1 and cut to 2:1. Place demarcation layer EL 15' to 30' and filter fabric, select fill (18"), and armor rock (18") from 7+70 to 7+20 EL 15'-25'.

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Fax (503) 924-4707

PROJECT NUMBER 1066-04
FIELD REPORT NUMBER 32
PAGE 2 OF 2
DATE #######

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:

Begin working in transition area at 7+20 to 8+10.

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

Min Temp: 55 Winds: Light

Precipitation none

Report Information:

Date: 9/18/2008

Week Day: Thursday

Shift: 7AM-6:00 PM

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	8		302	Spoil/Filter/Armor
RICK MARTIN	302	10.5	7AM	6PM	JD450 DOZER	United	0		302	
MIKE MCCOY	302	10.5	7AM	6PM	PC200 EXC.	3368	9		302	Spoil/Filter/Armor
MATTHEW PATCHING	302	10.5	7AM	6PM	WATER TRUCK	United	5		302	Dust control
SKIP SIMPSON					JD310 BACKHOE	1196	2		302	Spoil/Filter/Armor
SUZANNE STARKEY					JD544J Loader	United	6		302	Load

DESCRIPTION OF WORK (detail below):

Transition Area Change Order 5. Cut Subgrade above Elev. 25.0, Place demarcation, geotextile, filter rock, armor rock.

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

Dust control provided by water truck.

DOWNTIME OR DELAYS:

MATERIAL PLACED:

MATERIAL	STA (START) STA	STA (START) OFFSET	STA (STOP) STA	STA (STOP) OFFSET	QTY.	QTY. TO DATE	APPROVED SOURCE	TECHNICAL SPECIFICATION NO.
Demarcation Layer	7+10		7+60		172 SY			Addendum No. 1 312000-4
Select Fill	7+10		7+60		75 CY			312000-3 (2.3)
Armor Type 3	7+10		7+60		75 CY			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	7+10		7+60		172 SY			

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: [signature]

```
"Model Number", "DataRAM 4 ", 106
"Serial no.  ", "D736      "
"Device no.  ", 1
"Tag Number  ", 2
"Start Time  ", 06:32:10
"Start Date  ", 18-Sep-2008
"Log Period  ", 00:01:00
"Number      ", 675
"CalFactor   ", 1.000000
"Unit        ", 0
"Unit Name   ", "(MASS )ug/m3"
"SIZE_CORRECT", "DISABLED"
"TEMPUNITS   ", C
"Max MASS    ", 205.166800
"Max MASS  @ ", 148  ,09:00:10  ,18-Sep-2008
"Avg MASS    ", 42.306610
"Max Diam    ", 0.521260
"Max Diam @  ", 322  ,11:54:10  ,18-Sep-2008
"Avg Diam    ", 0.238535
"ALARM       ", "DISABLED"
"ALARM_LEVEL ", 0.0
"AUTO_ZERO   ", "DISABLED"
"AZ INTERVAL ", 1
"Errors      ", 0000
record,"(MASS )ug/m3", Temp, RHumidity, Diameter
     1,       20.7,  18.9,   47,   0.2162  ,06:33:10  ,18-Sep-2008
     2,       19.8,  18.8,   48,   0.1705  ,06:34:10  ,18-Sep-2008
     3,       19.9,  18.8,   48,   0.1696  ,06:35:10  ,18-Sep-2008
     4,       19.5,  18.7,   49,   0.1598  ,06:36:10  ,18-Sep-2008
     5,       20.1,  18.7,   50,   0.1775  ,06:37:10  ,18-Sep-2008
     6,       21.3,  18.6,   50,   0.1797  ,06:38:10  ,18-Sep-2008
     7,       26.8,  18.6,   50,   0.1462  ,06:39:10  ,18-Sep-2008
     8,       34.1,  18.5,   51,   0.1448  ,06:40:10  ,18-Sep-2008
     9,       44.9,  18.5,   51,   0.1211  ,06:41:10  ,18-Sep-2008
    10,       42.6,  18.4,   52,   0.1308  ,06:42:10  ,18-Sep-2008
    11,       35.4,  18.3,   52,   0.1394  ,06:43:10  ,18-Sep-2008
    12,       30.2,  18.2,   52,   0.1691  ,06:44:10  ,18-Sep-2008
    13,       21.6,  18.1,   53,   0.1748  ,06:45:10  ,18-Sep-2008
    14,       21.7,  18.1,   53,   0.1768  ,06:46:10  ,18-Sep-2008
    15,       20.5,  18.0,   53,   0.1732  ,06:47:10  ,18-Sep-2008
    16,       19.8,  17.9,   53,   0.1727  ,06:48:10  ,18-Sep-2008
    17,       19.9,  17.9,   54,   0.1695  ,06:49:10  ,18-Sep-2008
    18,       20.7,  17.8,   54,   0.1704  ,06:50:10  ,18-Sep-2008
    19,       20.5,  17.7,   54,   0.1607  ,06:51:10  ,18-Sep-2008
    20,       20.1,  17.6,   54,   0.1753  ,06:52:10  ,18-Sep-2008
    21,       22.6,  17.6,   55,   0.1753  ,06:53:10  ,18-Sep-2008
    22,       23.8,  17.5,   55,   0.2134  ,06:54:10  ,18-Sep-2008
    23,       24.5,  17.5,   55,   0.2260  ,06:55:10  ,18-Sep-2008
    24,       23.1,  17.4,   55,   0.2083  ,06:56:10  ,18-Sep-2008
    25,       23.0,  17.4,   56,   0.1810  ,06:57:10  ,18-Sep-2008
    26,       23.3,  17.3,   56,   0.2285  ,06:58:10  ,18-Sep-2008
    27,       22.2,  17.2,   56,   0.1927  ,06:59:10  ,18-Sep-2008
    28,       22.0,  17.1,   56,   0.1511  ,07:00:10  ,18-Sep-2008
    29,       22.0,  17.1,   56,   0.1821  ,07:01:10  ,18-Sep-2008
    30,       23.1,  17.1,   57,   0.1959  ,07:02:10  ,18-Sep-2008
    31,       24.2,  17.0,   57,   0.2376  ,07:03:10  ,18-Sep-2008
    32,       25.3,  17.0,   57,   0.2180  ,07:04:10  ,18-Sep-2008
    33,       23.6,  16.9,   58,   0.2114  ,07:05:10  ,18-Sep-2008
    34,       23.6,  16.9,   58,   0.1805  ,07:06:10  ,18-Sep-2008
    35,       23.4,  16.8,   58,   0.1661  ,07:07:10  ,18-Sep-2008
    36,       25.3,  16.7,   58,   0.2081  ,07:08:10  ,18-Sep-2008
    37,       27.2,  16.7,   58,   0.2453  ,07:09:10  ,18-Sep-2008
    38,       26.5,  16.6,   58,   0.2184  ,07:10:10  ,18-Sep-2008
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40,	29.4,	16.6,	59,	0.2412	,07:12:10	,18-Sep-2008
41,	31.8,	16.5,	59,	0.2569	,07:13:10	,18-Sep-2008
42,	34.5,	16.5,	59,	0.2764	,07:14:10	,18-Sep-2008
43,	34.8,	16.5,	59,	0.2968	,07:15:10	,18-Sep-2008
44,	39.9,	16.4,	60,	0.2667	,07:16:10	,18-Sep-2008
45,	42.4,	16.4,	60,	0.2470	,07:17:10	,18-Sep-2008
46,	44.8,	16.3,	60,	0.2751	,07:18:10	,18-Sep-2008
47,	44.9,	16.3,	60,	0.2967	,07:19:10	,18-Sep-2008
48,	44.5,	16.2,	60,	0.2781	,07:20:10	,18-Sep-2008
49,	42.1,	16.2,	60,	0.2722	,07:21:10	,18-Sep-2008
50,	44.0,	16.2,	60,	0.3009	,07:22:10	,18-Sep-2008
51,	38.7,	16.1,	61,	0.2278	,07:23:10	,18-Sep-2008
52,	41.9,	16.1,	61,	0.2744	,07:24:10	,18-Sep-2008
53,	40.9,	16.1,	61,	0.2670	,07:25:10	,18-Sep-2008
54,	40.0,	16.0,	61,	0.2269	,07:26:10	,18-Sep-2008
55,	41.2,	16.0,	61,	0.2755	,07:27:10	,18-Sep-2008
56,	40.4,	16.0,	61,	0.2523	,07:28:10	,18-Sep-2008
57,	46.9,	16.0,	61,	0.2819	,07:29:10	,18-Sep-2008
58,	44.0,	15.9,	61,	0.3145	,07:30:10	,18-Sep-2008
59,	42.6,	15.9,	62,	0.2266	,07:31:10	,18-Sep-2008
60,	37.3,	15.9,	62,	0.2398	,07:32:10	,18-Sep-2008
61,	35.9,	15.9,	62,	0.2213	,07:33:10	,18-Sep-2008
62,	42.0,	15.9,	62,	0.2500	,07:34:10	,18-Sep-2008
63,	43.7,	15.8,	62,	0.3006	,07:35:10	,18-Sep-2008
64,	39.6,	15.8,	62,	0.2697	,07:36:10	,18-Sep-2008
65,	39.3,	15.8,	62,	0.2490	,07:37:10	,18-Sep-2008
66,	37.1,	15.7,	63,	0.2191	,07:38:10	,18-Sep-2008
67,	34.2,	15.7,	63,	0.2595	,07:39:10	,18-Sep-2008
68,	30.6,	15.7,	63,	0.2135	,07:40:10	,18-Sep-2008
69,	34.3,	15.7,	64,	0.2121	,07:41:10	,18-Sep-2008
70,	42.6,	15.6,	64,	0.2954	,07:42:10	,18-Sep-2008
71,	40.9,	15.6,	64,	0.2681	,07:43:10	,18-Sep-2008
72,	36.9,	15.6,	65,	0.2403	,07:44:10	,18-Sep-2008
73,	52.1,	15.6,	65,	0.2859	,07:45:10	,18-Sep-2008
74,	48.7,	15.6,	65,	0.3231	,07:46:10	,18-Sep-2008
75,	41.3,	15.6,	65,	0.2493	,07:47:10	,18-Sep-2008
76,	38.4,	15.5,	65,	0.2728	,07:48:10	,18-Sep-2008
77,	42.6,	15.5,	66,	0.3016	,07:49:10	,18-Sep-2008
78,	47.2,	15.5,	66,	0.2485	,07:50:10	,18-Sep-2008
79,	45.7,	15.5,	66,	0.2630	,07:51:10	,18-Sep-2008
80,	40.1,	15.4,	66,	0.2487	,07:52:10	,18-Sep-2008
81,	40.2,	15.5,	66,	0.2243	,07:53:10	,18-Sep-2008
82,	40.1,	15.4,	66,	0.2200	,07:54:10	,18-Sep-2008
83,	47.2,	15.4,	67,	0.2302	,07:55:10	,18-Sep-2008
84,	55.1,	15.4,	67,	0.3027	,07:56:10	,18-Sep-2008
85,	50.1,	15.3,	67,	0.2919	,07:57:10	,18-Sep-2008
86,	45.4,	15.3,	67,	0.2581	,07:58:10	,18-Sep-2008
87,	44.7,	15.3,	67,	0.2462	,07:59:10	,18-Sep-2008
88,	44.6,	15.2,	67,	0.2392	,08:00:10	,18-Sep-2008
89,	46.0,	15.2,	67,	0.2600	,08:01:10	,18-Sep-2008
90,	48.5,	15.2,	67,	0.2412	,08:02:10	,18-Sep-2008
91,	59.3,	15.2,	67,	0.3191	,08:03:10	,18-Sep-2008
92,	56.2,	15.2,	67,	0.2592	,08:04:10	,18-Sep-2008
93,	64.6,	15.1,	67,	0.3129	,08:05:10	,18-Sep-2008
94,	58.9,	15.1,	67,	0.2655	,08:06:10	,18-Sep-2008
95,	60.3,	15.1,	67,	0.3088	,08:07:10	,18-Sep-2008
96,	58.6,	15.1,	67,	0.3027	,08:08:10	,18-Sep-2008
97,	53.9,	15.1,	67,	0.3035	,08:09:10	,18-Sep-2008
98,	53.6,	15.1,	68,	0.2708	,08:10:10	,18-Sep-2008
99,	61.2,	15.1,	68,	0.3816	,08:11:10	,18-Sep-2008
100,	58.1,	15.1,	68,	0.3162	,08:12:10	,18-Sep-2008
101,	54.1,	15.1,	68,	0.2867	,08:13:10	,18-Sep-2008

102,	90.7,	15.0,	68,	0.3318	,08:14:10	,18-Sep-2008
103,	59.5,	15.0,	68,	0.3529	,08:15:10	,18-Sep-2008
104,	57.4,	15.0,	68,	0.3128	,08:16:10	,18-Sep-2008
105,	62.4,	15.0,	68,	0.3004	,08:17:10	,18-Sep-2008
106,	68.4,	15.0,	68,	0.3574	,08:18:10	,18-Sep-2008
107,	65.4,	15.0,	68,	0.3202	,08:19:10	,18-Sep-2008
108,	64.1,	15.0,	68,	0.3409	,08:20:10	,18-Sep-2008
109,	61.5,	15.0,	68,	0.2533	,08:21:10	,18-Sep-2008
110,	63.2,	15.0,	68,	0.2939	,08:22:10	,18-Sep-2008
111,	65.6,	15.0,	68,	0.3404	,08:23:10	,18-Sep-2008
112,	67.5,	15.0,	69,	0.2905	,08:24:10	,18-Sep-2008
113,	71.7,	15.0,	69,	0.3487	,08:25:10	,18-Sep-2008
114,	83.0,	15.0,	69,	0.3361	,08:26:10	,18-Sep-2008
115,	76.2,	15.0,	69,	0.3401	,08:27:10	,18-Sep-2008
116,	72.3,	15.0,	69,	0.2860	,08:28:10	,18-Sep-2008
117,	71.5,	15.0,	69,	0.2934	,08:29:10	,18-Sep-2008
118,	76.9,	15.0,	69,	0.2828	,08:30:10	,18-Sep-2008
119,	93.6,	15.0,	69,	0.3372	,08:31:10	,18-Sep-2008
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121,	75.2,	15.0,	69,	0.3282	,08:33:10	,18-Sep-2008
122,	144.3,	15.0,	69,	0.4271	,08:34:10	,18-Sep-2008
123,	100.6,	15.0,	70,	0.3627	,08:35:10	,18-Sep-2008
124,	141.9,	15.0,	70,	0.4162	,08:36:10	,18-Sep-2008
125,	82.0,	15.0,	70,	0.3813	,08:37:10	,18-Sep-2008
126,	151.4,	15.0,	70,	0.3593	,08:38:10	,18-Sep-2008
127,	93.2,	15.1,	70,	0.3806	,08:39:10	,18-Sep-2008
128,	92.9,	15.1,	70,	0.3782	,08:40:10	,18-Sep-2008
129,	81.4,	15.1,	70,	0.3500	,08:41:10	,18-Sep-2008
130,	91.6,	15.1,	70,	0.3784	,08:42:10	,18-Sep-2008
131,	126.2,	15.1,	70,	0.3542	,08:43:10	,18-Sep-2008
132,	133.9,	15.1,	70,	0.3387	,08:44:10	,18-Sep-2008
133,	110.6,	15.1,	70,	0.3365	,08:45:10	,18-Sep-2008
134,	89.0,	15.1,	70,	0.3398	,08:46:10	,18-Sep-2008
135,	79.2,	15.1,	70,	0.3820	,08:47:10	,18-Sep-2008
136,	82.8,	15.1,	70,	0.3501	,08:48:10	,18-Sep-2008
137,	89.6,	15.1,	70,	0.3350	,08:49:10	,18-Sep-2008
138,	71.2,	15.1,	70,	0.3479	,08:50:10	,18-Sep-2008
139,	107.4,	15.2,	70,	0.3453	,08:51:10	,18-Sep-2008
140,	115.0,	15.2,	70,	0.3317	,08:52:10	,18-Sep-2008
141,	72.8,	15.2,	70,	0.3393	,08:53:10	,18-Sep-2008
142,	67.6,	15.2,	70,	0.2977	,08:54:10	,18-Sep-2008
143,	84.7,	15.2,	70,	0.3066	,08:55:10	,18-Sep-2008
144,	74.0,	15.2,	70,	0.3463	,08:56:10	,18-Sep-2008
145,	124.1,	15.2,	70,	0.3197	,08:57:10	,18-Sep-2008
146,	139.5,	15.3,	70,	0.4280	,08:58:10	,18-Sep-2008
147,	94.1,	15.3,	70,	0.4145	,08:59:10	,18-Sep-2008
148,	205.2,	15.3,	70,	0.4707	,09:00:10	,18-Sep-2008
149,	135.9,	15.3,	70,	0.4039	,09:01:10	,18-Sep-2008
150,	107.6,	15.3,	70,	0.3549	,09:02:10	,18-Sep-2008
151,	76.4,	15.3,	70,	0.3429	,09:03:10	,18-Sep-2008
152,	87.7,	15.4,	70,	0.3750	,09:04:10	,18-Sep-2008
153,	59.7,	15.4,	70,	0.3110	,09:05:10	,18-Sep-2008
154,	64.6,	15.4,	70,	0.3882	,09:06:10	,18-Sep-2008
155,	91.0,	15.4,	70,	0.3595	,09:07:10	,18-Sep-2008
156,	70.6,	15.4,	70,	0.3453	,09:08:10	,18-Sep-2008
157,	107.4,	15.4,	69,	0.4169	,09:09:10	,18-Sep-2008
158,	90.4,	15.5,	69,	0.4090	,09:10:10	,18-Sep-2008
159,	112.2,	15.5,	70,	0.4469	,09:11:10	,18-Sep-2008
160,	77.0,	15.5,	69,	0.4192	,09:12:10	,18-Sep-2008
161,	143.0,	15.5,	69,	0.4014	,09:13:10	,18-Sep-2008
162,	78.3,	15.5,	69,	0.3966	,09:14:10	,18-Sep-2008
163,	78.2,	15.5,	69,	0.3350	,09:15:10	,18-Sep-2008
164,	57.9,	15.6,	69,	0.3286	,09:16:10	,18-Sep-2008

165,	99.2,	15.6,	69,	0.3172	,09:17:10	,18-Sep-2008
166,	98.2,	15.6,	69,	0.2908	,09:18:10	,18-Sep-2008
167,	59.7,	15.6,	70,	0.2707	,09:19:10	,18-Sep-2008
168,	74.9,	15.6,	70,	0.2946	,09:20:10	,18-Sep-2008
169,	62.1,	15.6,	70,	0.3817	,09:21:10	,18-Sep-2008
170,	70.8,	15.6,	69,	0.3273	,09:22:10	,18-Sep-2008
171,	62.5,	15.6,	69,	0.2727	,09:23:10	,18-Sep-2008
172,	68.7,	15.6,	69,	0.3276	,09:24:10	,18-Sep-2008
173,	63.6,	15.6,	69,	0.2920	,09:25:10	,18-Sep-2008
174,	125.6,	15.6,	69,	0.3257	,09:26:10	,18-Sep-2008
175,	82.0,	15.6,	69,	0.3073	,09:27:10	,18-Sep-2008
176,	66.1,	15.7,	69,	0.3162	,09:28:10	,18-Sep-2008
177,	65.6,	15.7,	69,	0.3517	,09:29:10	,18-Sep-2008
178,	108.5,	15.7,	69,	0.3045	,09:30:10	,18-Sep-2008
179,	147.2,	15.7,	69,	0.3732	,09:31:10	,18-Sep-2008
180,	159.4,	15.7,	69,	0.3221	,09:32:10	,18-Sep-2008
181,	71.8,	15.7,	69,	0.3608	,09:33:10	,18-Sep-2008
182,	73.1,	15.7,	69,	0.3647	,09:34:10	,18-Sep-2008
183,	76.5,	15.7,	69,	0.3555	,09:35:10	,18-Sep-2008
184,	89.4,	15.7,	69,	0.2893	,09:36:10	,18-Sep-2008
185,	61.9,	15.7,	69,	0.3301	,09:37:10	,18-Sep-2008
186,	110.2,	15.7,	69,	0.3014	,09:38:10	,18-Sep-2008
187,	76.1,	15.7,	69,	0.3585	,09:39:10	,18-Sep-2008
188,	139.7,	15.7,	69,	0.4133	,09:40:10	,18-Sep-2008
189,	71.1,	15.7,	69,	0.3451	,09:41:10	,18-Sep-2008
190,	163.8,	15.7,	69,	0.4042	,09:42:10	,18-Sep-2008
191,	111.2,	15.7,	69,	0.3618	,09:43:10	,18-Sep-2008
192,	75.6,	15.8,	69,	0.3377	,09:44:10	,18-Sep-2008
193,	81.9,	15.8,	69,	0.3484	,09:45:10	,18-Sep-2008
194,	69.6,	15.8,	69,	0.3770	,09:46:10	,18-Sep-2008
195,	79.7,	15.8,	69,	0.3361	,09:47:10	,18-Sep-2008
196,	63.9,	15.8,	69,	0.3192	,09:48:10	,18-Sep-2008
197,	68.8,	15.8,	69,	0.3596	,09:49:10	,18-Sep-2008
198,	69.2,	15.8,	69,	0.3828	,09:50:10	,18-Sep-2008
199,	70.9,	15.8,	70,	0.3075	,09:51:10	,18-Sep-2008
200,	56.6,	15.8,	70,	0.2943	,09:52:10	,18-Sep-2008
201,	108.5,	15.8,	70,	0.3404	,09:53:10	,18-Sep-2008
202,	163.3,	15.9,	69,	0.3382	,09:54:10	,18-Sep-2008
203,	54.6,	15.9,	69,	0.2737	,09:55:10	,18-Sep-2008
204,	57.0,	15.9,	69,	0.2652	,09:56:10	,18-Sep-2008
205,	54.0,	15.9,	69,	0.2582	,09:57:10	,18-Sep-2008
206,	64.8,	15.9,	69,	0.3509	,09:58:10	,18-Sep-2008
207,	70.2,	15.9,	69,	0.3533	,09:59:10	,18-Sep-2008
208,	62.4,	15.9,	69,	0.3006	,10:00:10	,18-Sep-2008
209,	61.5,	15.9,	69,	0.2785	,10:01:10	,18-Sep-2008
210,	57.2,	15.9,	69,	0.2380	,10:02:10	,18-Sep-2008
211,	57.9,	16.0,	69,	0.2560	,10:03:10	,18-Sep-2008
212,	63.0,	16.0,	69,	0.3097	,10:04:10	,18-Sep-2008
213,	73.4,	16.0,	69,	0.3272	,10:05:10	,18-Sep-2008
214,	54.5,	16.0,	69,	0.3297	,10:06:10	,18-Sep-2008
215,	44.0,	16.0,	69,	0.2699	,10:07:10	,18-Sep-2008
216,	43.8,	16.0,	69,	0.2164	,10:08:10	,18-Sep-2008
217,	37.8,	16.0,	69,	0.2514	,10:09:10	,18-Sep-2008
218,	43.2,	16.0,	69,	0.2267	,10:10:10	,18-Sep-2008
219,	37.3,	16.0,	68,	0.2545	,10:11:10	,18-Sep-2008
220,	42.2,	16.1,	68,	0.2592	,10:12:10	,18-Sep-2008
221,	50.5,	16.1,	68,	0.2833	,10:13:10	,18-Sep-2008
222,	37.4,	16.1,	68,	0.2138	,10:14:10	,18-Sep-2008
223,	51.3,	16.1,	68,	0.2180	,10:15:10	,18-Sep-2008
224,	42.7,	16.1,	68,	0.2747	,10:16:10	,18-Sep-2008
225,	47.3,	16.1,	68,	0.2695	,10:17:10	,18-Sep-2008
226,	41.3,	16.1,	68,	0.2632	,10:18:10	,18-Sep-2008
227,	39.7,	16.1,	67,	0.2486	,10:19:10	,18-Sep-2008

228,	33.0,	16.1,	67,	0.2264	,10:20:10	,18-Sep-2008
229,	33.0,	16.1,	67,	0.1989	,10:21:10	,18-Sep-2008
230,	31.0,	16.1,	67,	0.2084	,10:22:10	,18-Sep-2008
231,	30.6,	16.1,	67,	0.2313	,10:23:10	,18-Sep-2008
232,	32.6,	16.1,	67,	0.2230	,10:24:10	,18-Sep-2008
233,	33.9,	16.2,	67,	0.2354	,10:25:10	,18-Sep-2008
234,	32.9,	16.2,	67,	0.2442	,10:26:10	,18-Sep-2008
235,	32.8,	16.2,	67,	0.2513	,10:27:10	,18-Sep-2008
236,	31.8,	16.2,	67,	0.2553	,10:28:10	,18-Sep-2008
237,	32.7,	16.2,	67,	0.2382	,10:29:10	,18-Sep-2008
238,	32.6,	16.2,	66,	0.2247	,10:30:10	,18-Sep-2008
239,	32.6,	16.2,	66,	0.2150	,10:31:10	,18-Sep-2008
240,	32.0,	16.3,	66,	0.2395	,10:32:10	,18-Sep-2008
241,	31.5,	16.3,	66,	0.2323	,10:33:10	,18-Sep-2008
242,	32.3,	16.3,	66,	0.2420	,10:34:10	,18-Sep-2008
243,	32.4,	16.3,	66,	0.2198	,10:35:10	,18-Sep-2008
244,	30.4,	16.4,	66,	0.2196	,10:36:10	,18-Sep-2008
245,	31.0,	16.4,	66,	0.2197	,10:37:10	,18-Sep-2008
246,	32.3,	16.4,	66,	0.2514	,10:38:10	,18-Sep-2008
247,	29.5,	16.4,	66,	0.1881	,10:39:10	,18-Sep-2008
248,	30.1,	16.4,	66,	0.2228	,10:40:10	,18-Sep-2008
249,	31.6,	16.5,	65,	0.2512	,10:41:10	,18-Sep-2008
250,	28.5,	16.5,	65,	0.2001	,10:42:10	,18-Sep-2008
251,	29.6,	16.5,	65,	0.2302	,10:43:10	,18-Sep-2008
252,	27.3,	16.5,	66,	0.1922	,10:44:10	,18-Sep-2008
253,	30.1,	16.6,	65,	0.2473	,10:45:10	,18-Sep-2008
254,	27.9,	16.6,	65,	0.2331	,10:46:10	,18-Sep-2008
255,	26.4,	16.6,	65,	0.2163	,10:47:10	,18-Sep-2008
256,	28.1,	16.6,	65,	0.2390	,10:48:10	,18-Sep-2008
257,	25.5,	16.7,	65,	0.1756	,10:49:10	,18-Sep-2008
258,	25.7,	16.7,	65,	0.1807	,10:50:10	,18-Sep-2008
259,	27.4,	16.7,	65,	0.2116	,10:51:10	,18-Sep-2008
260,	26.1,	16.8,	65,	0.1998	,10:52:10	,18-Sep-2008
261,	119.1,	16.8,	64,	0.3634	,10:53:10	,18-Sep-2008
262,	31.9,	16.8,	64,	0.2904	,10:54:10	,18-Sep-2008
263,	29.3,	16.9,	64,	0.2156	,10:55:10	,18-Sep-2008
264,	26.5,	16.9,	64,	0.2036	,10:56:10	,18-Sep-2008
265,	27.2,	16.9,	64,	0.2060	,10:57:10	,18-Sep-2008
266,	27.2,	17.0,	64,	0.2131	,10:58:10	,18-Sep-2008
267,	32.5,	17.0,	64,	0.2570	,10:59:10	,18-Sep-2008
268,	35.2,	17.0,	64,	0.2104	,11:00:10	,18-Sep-2008
269,	37.1,	17.0,	64,	0.1665	,11:01:10	,18-Sep-2008
270,	40.7,	17.1,	64,	0.1499	,11:02:10	,18-Sep-2008
271,	28.3,	17.1,	64,	0.1852	,11:03:10	,18-Sep-2008
272,	29.7,	17.2,	64,	0.2378	,11:04:10	,18-Sep-2008
273,	32.5,	17.2,	64,	0.2378	,11:05:10	,18-Sep-2008
274,	24.3,	17.2,	64,	0.2154	,11:06:10	,18-Sep-2008
275,	24.8,	17.2,	63,	0.2292	,11:07:10	,18-Sep-2008
276,	25.1,	17.3,	63,	0.1871	,11:08:10	,18-Sep-2008
277,	23.8,	17.3,	63,	0.1998	,11:09:10	,18-Sep-2008
278,	25.1,	17.4,	63,	0.2287	,11:10:10	,18-Sep-2008
279,	24.7,	17.4,	63,	0.2202	,11:11:10	,18-Sep-2008
280,	27.7,	17.4,	63,	0.2356	,11:12:10	,18-Sep-2008
281,	30.5,	17.5,	63,	0.2563	,11:13:10	,18-Sep-2008
282,	29.9,	17.5,	63,	0.2330	,11:14:10	,18-Sep-2008
283,	27.1,	17.5,	63,	0.2057	,11:15:10	,18-Sep-2008
284,	30.6,	17.6,	63,	0.2049	,11:16:10	,18-Sep-2008
285,	27.4,	17.6,	63,	0.2059	,11:17:10	,18-Sep-2008
286,	28.5,	17.6,	63,	0.2128	,11:18:10	,18-Sep-2008
287,	25.3,	17.7,	62,	0.1993	,11:19:10	,18-Sep-2008
288,	24.2,	17.7,	62,	0.1882	,11:20:10	,18-Sep-2008
289,	25.4,	17.7,	62,	0.2107	,11:21:10	,18-Sep-2008
290,	25.7,	17.7,	62,	0.2314	,11:22:10	,18-Sep-2008

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292,	25.0,	17.8,	62,	0.2307	,11:24:10	,18-Sep-2008
293,	26.0,	17.9,	62,	0.1934	,11:25:10	,18-Sep-2008
294,	93.3,	17.9,	62,	0.3764	,11:26:10	,18-Sep-2008
295,	42.7,	17.9,	62,	0.3240	,11:27:10	,18-Sep-2008
296,	32.1,	18.0,	61,	0.2524	,11:28:10	,18-Sep-2008
297,	28.4,	18.0,	61,	0.2144	,11:29:10	,18-Sep-2008
298,	38.1,	18.0,	61,	0.2776	,11:30:10	,18-Sep-2008
299,	34.5,	18.0,	61,	0.2556	,11:31:10	,18-Sep-2008
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302,	34.7,	18.1,	60,	0.2382	,11:34:10	,18-Sep-2008
303,	35.2,	18.1,	60,	0.2533	,11:35:10	,18-Sep-2008
304,	54.0,	18.2,	60,	0.3098	,11:36:10	,18-Sep-2008
305,	31.1,	18.2,	60,	0.2479	,11:37:10	,18-Sep-2008
306,	33.0,	18.2,	59,	0.2659	,11:38:10	,18-Sep-2008
307,	43.5,	18.2,	60,	0.2608	,11:39:10	,18-Sep-2008
308,	28.6,	18.3,	59,	0.2548	,11:40:10	,18-Sep-2008
309,	27.2,	18.3,	59,	0.2177	,11:41:10	,18-Sep-2008
310,	27.4,	18.3,	59,	0.2089	,11:42:10	,18-Sep-2008
311,	30.3,	18.4,	59,	0.2053	,11:43:10	,18-Sep-2008
312,	29.6,	18.4,	59,	0.2234	,11:44:10	,18-Sep-2008
313,	32.3,	18.4,	59,	0.2068	,11:45:10	,18-Sep-2008
314,	34.7,	18.4,	59,	0.2337	,11:46:10	,18-Sep-2008
315,	38.1,	18.4,	59,	0.2439	,11:47:10	,18-Sep-2008
316,	65.9,	18.5,	58,	0.3117	,11:48:10	,18-Sep-2008
317,	32.8,	18.5,	58,	0.2775	,11:49:10	,18-Sep-2008
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319,	25.9,	18.5,	58,	0.1944	,11:51:10	,18-Sep-2008
320,	29.0,	18.5,	58,	0.2248	,11:52:10	,18-Sep-2008
321,	47.1,	18.5,	58,	0.2970	,11:53:10	,18-Sep-2008
322,	123.9,	18.6,	58,	0.5213	,11:54:10	,18-Sep-2008
323,	58.6,	18.6,	58,	0.4675	,11:55:10	,18-Sep-2008
324,	32.7,	18.6,	58,	0.2596	,11:56:10	,18-Sep-2008
325,	26.2,	18.6,	58,	0.1955	,11:57:10	,18-Sep-2008
326,	86.8,	18.6,	58,	0.3533	,11:58:10	,18-Sep-2008
327,	45.4,	18.6,	58,	0.3774	,11:59:10	,18-Sep-2008
328,	27.0,	18.6,	58,	0.2223	,12:00:10	,18-Sep-2008
329,	30.6,	18.6,	58,	0.2341	,12:01:10	,18-Sep-2008
330,	27.5,	18.7,	58,	0.2433	,12:02:10	,18-Sep-2008
331,	35.0,	18.7,	58,	0.2552	,12:03:10	,18-Sep-2008
332,	30.0,	18.7,	58,	0.2810	,12:04:10	,18-Sep-2008
333,	28.8,	18.7,	58,	0.2879	,12:05:10	,18-Sep-2008
334,	26.1,	18.7,	58,	0.2197	,12:06:10	,18-Sep-2008
335,	26.4,	18.7,	58,	0.2332	,12:07:10	,18-Sep-2008
336,	26.4,	18.7,	58,	0.2050	,12:08:10	,18-Sep-2008
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340,	26.1,	18.8,	58,	0.2108	,12:12:10	,18-Sep-2008
341,	26.7,	18.8,	58,	0.2212	,12:13:10	,18-Sep-2008
342,	28.1,	18.9,	58,	0.2158	,12:14:10	,18-Sep-2008
343,	27.4,	18.9,	58,	0.2134	,12:15:10	,18-Sep-2008
344,	27.8,	18.9,	58,	0.2299	,12:16:10	,18-Sep-2008
345,	28.3,	19.0,	58,	0.2462	,12:17:10	,18-Sep-2008
346,	27.7,	19.0,	58,	0.2688	,12:18:10	,18-Sep-2008
347,	26.6,	19.0,	58,	0.2195	,12:19:10	,18-Sep-2008
348,	28.4,	19.0,	58,	0.2168	,12:20:10	,18-Sep-2008
349,	32.4,	19.1,	58,	0.2664	,12:21:10	,18-Sep-2008
350,	28.6,	19.1,	57,	0.2187	,12:22:10	,18-Sep-2008
351,	27.7,	19.2,	58,	0.2199	,12:23:10	,18-Sep-2008
352,	27.8,	19.2,	57,	0.2329	,12:24:10	,18-Sep-2008
353,	27.5,	19.2,	57,	0.2111	,12:25:10	,18-Sep-2008

354,	29.8,	19.3,	57,	0.2399	,12:26:10	,18-Sep-2008
355,	28.2,	19.3,	57,	0.2296	,12:27:10	,18-Sep-2008
356,	26.3,	19.3,	57,	0.2054	,12:28:10	,18-Sep-2008
357,	28.1,	19.4,	57,	0.2293	,12:29:10	,18-Sep-2008
358,	26.8,	19.4,	57,	0.2148	,12:30:10	,18-Sep-2008
359,	28.1,	19.4,	57,	0.2263	,12:31:10	,18-Sep-2008
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362,	27.5,	19.5,	57,	0.2375	,12:34:10	,18-Sep-2008
363,	26.0,	19.6,	56,	0.2306	,12:35:10	,18-Sep-2008
364,	27.3,	19.6,	56,	0.2298	,12:36:10	,18-Sep-2008
365,	30.8,	19.6,	56,	0.2590	,12:37:10	,18-Sep-2008
366,	31.0,	19.7,	56,	0.2214	,12:38:10	,18-Sep-2008
367,	25.5,	19.7,	56,	0.1944	,12:39:10	,18-Sep-2008
368,	24.4,	19.7,	56,	0.1920	,12:40:10	,18-Sep-2008
369,	27.1,	19.7,	56,	0.1560	,12:41:10	,18-Sep-2008
370,	22.5,	19.8,	55,	0.1322	,12:42:10	,18-Sep-2008
371,	22.8,	19.8,	55,	0.1810	,12:43:10	,18-Sep-2008
372,	23.2,	19.8,	55,	0.2022	,12:44:10	,18-Sep-2008
373,	24.1,	19.8,	55,	0.1906	,12:45:10	,18-Sep-2008
374,	26.1,	19.8,	55,	0.2052	,12:46:10	,18-Sep-2008
375,	26.2,	19.9,	55,	0.2198	,12:47:10	,18-Sep-2008
376,	25.5,	19.9,	55,	0.2248	,12:48:10	,18-Sep-2008
377,	24.4,	19.9,	55,	0.2029	,12:49:10	,18-Sep-2008
378,	27.1,	20.0,	55,	0.2158	,12:50:10	,18-Sep-2008
379,	26.8,	20.0,	54,	0.2186	,12:51:10	,18-Sep-2008
380,	25.9,	20.0,	54,	0.2215	,12:52:10	,18-Sep-2008
381,	25.4,	20.0,	54,	0.2184	,12:53:10	,18-Sep-2008
382,	25.8,	20.0,	54,	0.2284	,12:54:10	,18-Sep-2008
383,	27.7,	20.0,	54,	0.2386	,12:55:10	,18-Sep-2008
384,	26.4,	20.1,	54,	0.2261	,12:56:10	,18-Sep-2008
385,	25.9,	20.1,	54,	0.2102	,12:57:10	,18-Sep-2008
386,	27.0,	20.1,	54,	0.2357	,12:58:10	,18-Sep-2008
387,	27.1,	20.1,	54,	0.2434	,12:59:10	,18-Sep-2008
388,	26.5,	20.1,	54,	0.2180	,13:00:10	,18-Sep-2008
389,	27.5,	20.1,	54,	0.2545	,13:01:10	,18-Sep-2008
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391,	27.1,	20.1,	54,	0.2156	,13:03:10	,18-Sep-2008
392,	29.4,	20.1,	54,	0.2212	,13:04:10	,18-Sep-2008
393,	24.9,	20.2,	54,	0.2131	,13:05:10	,18-Sep-2008
394,	25.5,	20.2,	54,	0.1970	,13:06:10	,18-Sep-2008
395,	26.5,	20.2,	54,	0.2473	,13:07:10	,18-Sep-2008
396,	24.6,	20.2,	54,	0.1807	,13:08:10	,18-Sep-2008
397,	25.8,	20.2,	53,	0.2227	,13:09:10	,18-Sep-2008
398,	24.6,	20.2,	53,	0.1931	,13:10:10	,18-Sep-2008
399,	24.3,	20.2,	53,	0.1924	,13:11:10	,18-Sep-2008
400,	22.6,	20.2,	53,	0.1768	,13:12:10	,18-Sep-2008
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404,	45.9,	20.3,	53,	0.3539	,13:16:10	,18-Sep-2008
405,	28.9,	20.3,	53,	0.2917	,13:17:10	,18-Sep-2008
406,	26.7,	20.3,	53,	0.2390	,13:18:10	,18-Sep-2008
407,	24.1,	20.3,	53,	0.2237	,13:19:10	,18-Sep-2008
408,	21.7,	20.3,	53,	0.2146	,13:20:10	,18-Sep-2008
409,	19.6,	20.3,	53,	0.1782	,13:21:10	,18-Sep-2008
410,	21.9,	20.4,	52,	0.1927	,13:22:10	,18-Sep-2008
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430,	19.4,	20.5,	52,	0.1975	,13:42:10	,18-Sep-2008
431,	24.1,	20.5,	52,	0.1997	,13:43:10	,18-Sep-2008
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436,	19.0,	20.5,	52,	0.1692	,13:48:10	,18-Sep-2008
437,	18.8,	20.5,	52,	0.1627	,13:49:10	,18-Sep-2008
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443,	22.7,	20.5,	52,	0.2128	,13:55:10	,18-Sep-2008
444,	19.0,	20.5,	52,	0.1589	,13:56:10	,18-Sep-2008
445,	17.6,	20.5,	52,	0.1449	,13:57:10	,18-Sep-2008
446,	20.9,	20.5,	52,	0.1786	,13:58:10	,18-Sep-2008
447,	21.9,	20.5,	52,	0.1842	,13:59:10	,18-Sep-2008
448,	20.7,	20.5,	51,	0.1763	,14:00:10	,18-Sep-2008
449,	21.1,	20.5,	51,	0.1839	,14:01:10	,18-Sep-2008
450,	23.2,	20.5,	52,	0.2227	,14:02:10	,18-Sep-2008
451,	19.4,	20.5,	52,	0.1644	,14:03:10	,18-Sep-2008
452,	19.3,	20.5,	52,	0.1529	,14:04:10	,18-Sep-2008
453,	20.9,	20.5,	51,	0.1759	,14:05:10	,18-Sep-2008
454,	22.9,	20.5,	52,	0.2234	,14:06:10	,18-Sep-2008
455,	123.1,	20.5,	52,	0.3723	,14:07:10	,18-Sep-2008
456,	45.7,	20.5,	51,	0.3885	,14:08:10	,18-Sep-2008
457,	23.3,	20.5,	52,	0.2093	,14:09:10	,18-Sep-2008
458,	22.0,	20.5,	52,	0.1892	,14:10:10	,18-Sep-2008
459,	26.4,	20.5,	52,	0.1688	,14:11:10	,18-Sep-2008
460,	33.0,	20.5,	51,	0.1717	,14:12:10	,18-Sep-2008
461,	29.5,	20.5,	51,	0.1621	,14:13:10	,18-Sep-2008
462,	25.6,	20.5,	51,	0.1910	,14:14:10	,18-Sep-2008
463,	22.0,	20.5,	51,	0.1569	,14:15:10	,18-Sep-2008
464,	29.3,	20.4,	51,	0.1939	,14:16:10	,18-Sep-2008
465,	21.7,	20.4,	52,	0.1661	,14:17:10	,18-Sep-2008
466,	22.4,	20.4,	52,	0.1549	,14:18:10	,18-Sep-2008
467,	22.8,	20.4,	51,	0.2038	,14:19:10	,18-Sep-2008
468,	22.8,	20.4,	52,	0.2019	,14:20:10	,18-Sep-2008
469,	21.0,	20.4,	52,	0.1498	,14:21:10	,18-Sep-2008
470,	22.2,	20.4,	52,	0.1579	,14:22:10	,18-Sep-2008
471,	22.8,	20.4,	52,	0.1659	,14:23:10	,18-Sep-2008
472,	22.0,	20.4,	52,	0.1883	,14:24:10	,18-Sep-2008
473,	23.1,	20.4,	52,	0.1831	,14:25:10	,18-Sep-2008
474,	21.9,	20.4,	52,	0.1528	,14:26:10	,18-Sep-2008
475,	23.9,	20.4,	52,	0.1827	,14:27:10	,18-Sep-2008
476,	25.3,	20.4,	52,	0.1972	,14:28:10	,18-Sep-2008
477,	23.2,	20.4,	52,	0.1803	,14:29:10	,18-Sep-2008
478,	25.6,	20.4,	52,	0.2143	,14:30:10	,18-Sep-2008
479,	23.1,	20.4,	52,	0.1780	,14:31:10	,18-Sep-2008

480,	23.6,	20.4,	52,	0.1782	,14:32:10	,18-Sep-2008
481,	24.0,	20.3,	52,	0.1933	,14:33:10	,18-Sep-2008
482,	24.2,	20.3,	52,	0.2014	,14:34:10	,18-Sep-2008
483,	28.0,	20.4,	52,	0.2026	,14:35:10	,18-Sep-2008
484,	26.4,	20.4,	52,	0.2238	,14:36:10	,18-Sep-2008
485,	23.3,	20.4,	52,	0.1837	,14:37:10	,18-Sep-2008
486,	23.7,	20.4,	52,	0.1997	,14:38:10	,18-Sep-2008
487,	25.3,	20.3,	52,	0.2068	,14:39:10	,18-Sep-2008
488,	27.9,	20.3,	52,	0.2411	,14:40:10	,18-Sep-2008
489,	24.7,	20.4,	52,	0.1944	,14:41:10	,18-Sep-2008
490,	27.0,	20.3,	52,	0.2082	,14:42:10	,18-Sep-2008
491,	25.0,	20.3,	52,	0.2067	,14:43:10	,18-Sep-2008
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493,	26.2,	20.4,	52,	0.1899	,14:45:10	,18-Sep-2008
494,	25.3,	20.4,	52,	0.1906	,14:46:10	,18-Sep-2008
495,	27.4,	20.3,	52,	0.1687	,14:47:10	,18-Sep-2008
496,	27.9,	20.3,	52,	0.1888	,14:48:10	,18-Sep-2008
497,	24.9,	20.4,	52,	0.1902	,14:49:10	,18-Sep-2008
498,	24.4,	20.4,	53,	0.1889	,14:50:10	,18-Sep-2008
499,	24.5,	20.4,	53,	0.1747	,14:51:10	,18-Sep-2008
500,	24.4,	20.4,	53,	0.1600	,14:52:10	,18-Sep-2008
501,	24.7,	20.4,	53,	0.1849	,14:53:10	,18-Sep-2008
502,	24.2,	20.4,	53,	0.1819	,14:54:10	,18-Sep-2008
503,	28.7,	20.4,	53,	0.2139	,14:55:10	,18-Sep-2008
504,	28.7,	20.4,	53,	0.1832	,14:56:10	,18-Sep-2008
505,	25.4,	20.4,	53,	0.1653	,14:57:10	,18-Sep-2008
506,	26.8,	20.4,	52,	0.1634	,14:58:10	,18-Sep-2008
507,	30.2,	20.4,	53,	0.1798	,14:59:10	,18-Sep-2008
508,	27.7,	20.4,	53,	0.1642	,15:00:10	,18-Sep-2008
509,	25.4,	20.4,	53,	0.1586	,15:01:10	,18-Sep-2008
510,	25.4,	20.4,	53,	0.1577	,15:02:10	,18-Sep-2008
511,	25.1,	20.4,	53,	0.1514	,15:03:10	,18-Sep-2008
512,	25.7,	20.4,	53,	0.1923	,15:04:10	,18-Sep-2008
513,	26.1,	20.4,	53,	0.1937	,15:05:10	,18-Sep-2008
514,	26.3,	20.4,	53,	0.1903	,15:06:10	,18-Sep-2008
515,	25.4,	20.4,	53,	0.1606	,15:07:10	,18-Sep-2008
516,	27.4,	20.4,	53,	0.1718	,15:08:10	,18-Sep-2008
517,	27.4,	20.4,	53,	0.1677	,15:09:10	,18-Sep-2008
518,	27.2,	20.4,	53,	0.1610	,15:10:10	,18-Sep-2008
519,	32.3,	20.4,	53,	0.2051	,15:11:10	,18-Sep-2008
520,	29.1,	20.4,	53,	0.1928	,15:12:10	,18-Sep-2008
521,	27.4,	20.4,	53,	0.1903	,15:13:10	,18-Sep-2008
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523,	29.8,	20.4,	53,	0.1969	,15:15:10	,18-Sep-2008
524,	27.8,	20.4,	53,	0.1539	,15:16:10	,18-Sep-2008
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526,	30.2,	20.4,	53,	0.1770	,15:18:10	,18-Sep-2008
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528,	30.3,	20.3,	53,	0.2116	,15:20:10	,18-Sep-2008
529,	31.0,	20.4,	53,	0.2218	,15:21:10	,18-Sep-2008
530,	28.8,	20.3,	53,	0.1816	,15:22:10	,18-Sep-2008
531,	29.5,	20.3,	52,	0.1944	,15:23:10	,18-Sep-2008
532,	30.1,	20.3,	52,	0.1900	,15:24:10	,18-Sep-2008
533,	30.2,	20.3,	52,	0.2056	,15:25:10	,18-Sep-2008
534,	29.0,	20.3,	52,	0.1708	,15:26:10	,18-Sep-2008
535,	30.4,	20.3,	52,	0.1785	,15:27:10	,18-Sep-2008
536,	30.6,	20.3,	52,	0.1904	,15:28:10	,18-Sep-2008
537,	32.4,	20.3,	52,	0.1768	,15:29:10	,18-Sep-2008
538,	32.3,	20.3,	52,	0.1987	,15:30:10	,18-Sep-2008
539,	32.9,	20.3,	52,	0.2030	,15:31:10	,18-Sep-2008
540,	35.3,	20.3,	52,	0.1995	,15:32:10	,18-Sep-2008
541,	30.7,	20.3,	52,	0.1621	,15:33:10	,18-Sep-2008
542,	29.9,	20.3,	52,	0.1769	,15:34:10	,18-Sep-2008

543,	31.8,	20.3,	52,	0.1860	,15:35:10	,18-Sep-2008
544,	29.3,	20.3,	52,	0.1711	,15:36:10	,18-Sep-2008
545,	29.4,	20.3,	52,	0.1727	,15:37:10	,18-Sep-2008
546,	29.0,	20.3,	52,	0.1641	,15:38:10	,18-Sep-2008
547,	30.3,	20.3,	52,	0.1682	,15:39:10	,18-Sep-2008
548,	31.6,	20.2,	52,	0.1952	,15:40:10	,18-Sep-2008
549,	31.9,	20.3,	52,	0.1844	,15:41:10	,18-Sep-2008
550,	31.4,	20.3,	52,	0.1973	,15:42:10	,18-Sep-2008
551,	32.3,	20.3,	53,	0.1806	,15:43:10	,18-Sep-2008
552,	31.2,	20.2,	52,	0.1864	,15:44:10	,18-Sep-2008
553,	32.1,	20.3,	53,	0.1872	,15:45:10	,18-Sep-2008
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555,	32.6,	20.2,	53,	0.1885	,15:47:10	,18-Sep-2008
556,	32.2,	20.2,	53,	0.1859	,15:48:10	,18-Sep-2008
557,	32.4,	20.2,	53,	0.1723	,15:49:10	,18-Sep-2008
558,	32.0,	20.2,	53,	0.1852	,15:50:10	,18-Sep-2008
559,	34.6,	20.2,	52,	0.2107	,15:51:10	,18-Sep-2008
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563,	33.7,	20.2,	53,	0.2046	,15:55:10	,18-Sep-2008
564,	35.5,	20.1,	53,	0.2089	,15:56:10	,18-Sep-2008
565,	34.1,	20.1,	53,	0.2240	,15:57:10	,18-Sep-2008
566,	31.7,	20.1,	53,	0.1830	,15:58:10	,18-Sep-2008
567,	33.4,	20.1,	53,	0.2230	,15:59:10	,18-Sep-2008
568,	35.7,	20.1,	53,	0.2249	,16:00:10	,18-Sep-2008
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570,	35.5,	20.1,	53,	0.2277	,16:02:10	,18-Sep-2008
571,	35.2,	20.1,	53,	0.2302	,16:03:10	,18-Sep-2008
572,	33.1,	20.1,	53,	0.1999	,16:04:10	,18-Sep-2008
573,	31.9,	20.1,	53,	0.1587	,16:05:10	,18-Sep-2008
574,	36.4,	20.1,	53,	0.1915	,16:06:10	,18-Sep-2008
575,	40.0,	20.1,	54,	0.2303	,16:07:10	,18-Sep-2008
576,	36.2,	20.0,	54,	0.2198	,16:08:10	,18-Sep-2008
577,	34.6,	20.1,	54,	0.2151	,16:09:10	,18-Sep-2008
578,	33.2,	20.0,	54,	0.1941	,16:10:10	,18-Sep-2008
579,	34.2,	20.0,	54,	0.2110	,16:11:10	,18-Sep-2008
580,	32.6,	20.0,	54,	0.1985	,16:12:10	,18-Sep-2008
581,	30.8,	20.0,	54,	0.1876	,16:13:10	,18-Sep-2008
582,	29.0,	20.0,	54,	0.1856	,16:14:10	,18-Sep-2008
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584,	45.7,	20.0,	54,	0.2256	,16:16:10	,18-Sep-2008
585,	29.3,	20.0,	54,	0.1898	,16:17:10	,18-Sep-2008
586,	31.3,	20.0,	55,	0.1966	,16:18:10	,18-Sep-2008
587,	29.7,	20.0,	55,	0.1909	,16:19:10	,18-Sep-2008
588,	29.7,	20.0,	55,	0.2091	,16:20:10	,18-Sep-2008
589,	30.8,	19.9,	55,	0.1998	,16:21:10	,18-Sep-2008
590,	29.9,	19.9,	55,	0.2007	,16:22:10	,18-Sep-2008
591,	32.0,	19.9,	55,	0.2050	,16:23:10	,18-Sep-2008
592,	30.0,	19.9,	56,	0.1903	,16:24:10	,18-Sep-2008
593,	30.5,	19.9,	56,	0.1910	,16:25:10	,18-Sep-2008
594,	36.2,	19.9,	56,	0.2272	,16:26:10	,18-Sep-2008
595,	42.9,	19.8,	56,	0.2270	,16:27:10	,18-Sep-2008
596,	40.5,	19.8,	56,	0.2586	,16:28:10	,18-Sep-2008
597,	93.8,	19.8,	56,	0.2411	,16:29:10	,18-Sep-2008
598,	105.9,	19.8,	56,	0.3168	,16:30:10	,18-Sep-2008
599,	187.0,	19.7,	56,	0.4661	,16:31:10	,18-Sep-2008
600,	87.3,	19.7,	56,	0.2540	,16:32:10	,18-Sep-2008
601,	55.5,	19.7,	56,	0.2581	,16:33:10	,18-Sep-2008
602,	41.2,	19.7,	56,	0.2419	,16:34:10	,18-Sep-2008
603,	43.3,	19.6,	56,	0.2069	,16:35:10	,18-Sep-2008
604,	44.1,	19.6,	56,	0.2202	,16:36:10	,18-Sep-2008
605,	42.0,	19.6,	56,	0.2427	,16:37:10	,18-Sep-2008

606,	38.1,	19.6,	57,	0.2378	,16:38:10	,18-Sep-2008
607,	33.0,	19.5,	57,	0.2170	,16:39:10	,18-Sep-2008
608,	32.1,	19.5,	57,	0.1937	,16:40:10	,18-Sep-2008
609,	30.9,	19.5,	57,	0.1836	,16:41:10	,18-Sep-2008
610,	31.8,	19.5,	57,	0.1969	,16:42:10	,18-Sep-2008
611,	29.3,	19.4,	57,	0.1723	,16:43:10	,18-Sep-2008
612,	31.5,	19.4,	57,	0.1824	,16:44:10	,18-Sep-2008
613,	33.2,	19.4,	57,	0.1968	,16:45:10	,18-Sep-2008
614,	32.4,	19.4,	57,	0.2137	,16:46:10	,18-Sep-2008
615,	32.4,	19.3,	57,	0.1772	,16:47:10	,18-Sep-2008
616,	32.3,	19.3,	58,	0.1820	,16:48:10	,18-Sep-2008
617,	31.8,	19.2,	58,	0.1928	,16:49:10	,18-Sep-2008
618,	29.5,	19.2,	58,	0.1817	,16:50:10	,18-Sep-2008
619,	33.6,	19.2,	58,	0.2071	,16:51:10	,18-Sep-2008
620,	32.5,	19.2,	58,	0.2186	,16:52:10	,18-Sep-2008
621,	31.5,	19.1,	58,	0.1911	,16:53:10	,18-Sep-2008
622,	31.7,	19.1,	58,	0.1852	,16:54:10	,18-Sep-2008
623,	31.6,	19.1,	58,	0.1991	,16:55:10	,18-Sep-2008
624,	33.5,	19.0,	59,	0.2113	,16:56:10	,18-Sep-2008
625,	44.6,	19.0,	59,	0.2136	,16:57:10	,18-Sep-2008
626,	37.5,	19.0,	59,	0.1873	,16:58:10	,18-Sep-2008
627,	35.6,	18.9,	59,	0.1961	,16:59:10	,18-Sep-2008
628,	33.6,	18.9,	59,	0.1932	,17:00:10	,18-Sep-2008
629,	33.2,	18.8,	59,	0.1658	,17:01:10	,18-Sep-2008
630,	45.5,	18.8,	59,	0.1855	,17:02:10	,18-Sep-2008
631,	110.0,	18.8,	59,	0.3148	,17:03:10	,18-Sep-2008
632,	66.8,	18.7,	59,	0.2921	,17:04:10	,18-Sep-2008
633,	42.5,	18.7,	59,	0.1834	,17:05:10	,18-Sep-2008
634,	36.9,	18.7,	59,	0.1805	,17:06:10	,18-Sep-2008
635,	37.4,	18.6,	59,	0.1948	,17:07:10	,18-Sep-2008
636,	59.6,	18.6,	60,	0.2285	,17:08:10	,18-Sep-2008
637,	70.8,	18.6,	60,	0.2564	,17:09:10	,18-Sep-2008
638,	42.2,	18.6,	60,	0.2026	,17:10:10	,18-Sep-2008
639,	47.3,	18.5,	60,	0.2267	,17:11:10	,18-Sep-2008
640,	33.5,	18.5,	60,	0.1854	,17:12:10	,18-Sep-2008
641,	34.6,	18.5,	60,	0.2063	,17:13:10	,18-Sep-2008
642,	41.7,	18.5,	60,	0.1956	,17:14:10	,18-Sep-2008
643,	34.5,	18.4,	60,	0.1985	,17:15:10	,18-Sep-2008
644,	33.6,	18.4,	60,	0.1954	,17:16:10	,18-Sep-2008
645,	39.9,	18.4,	60,	0.1903	,17:17:10	,18-Sep-2008
646,	34.7,	18.4,	61,	0.2078	,17:18:10	,18-Sep-2008
647,	42.7,	18.4,	61,	0.2092	,17:19:10	,18-Sep-2008
648,	58.4,	18.3,	61,	0.2710	,17:20:10	,18-Sep-2008
649,	60.6,	18.3,	61,	0.2432	,17:21:10	,18-Sep-2008
650,	53.0,	18.3,	61,	0.2609	,17:22:10	,18-Sep-2008
651,	45.1,	18.2,	61,	0.2173	,17:23:10	,18-Sep-2008
652,	48.9,	18.2,	61,	0.2138	,17:24:10	,18-Sep-2008
653,	48.3,	18.2,	61,	0.2264	,17:25:10	,18-Sep-2008
654,	44.4,	18.2,	61,	0.2744	,17:26:10	,18-Sep-2008
655,	31.0,	18.2,	61,	0.2236	,17:27:10	,18-Sep-2008
656,	34.4,	18.2,	62,	0.1964	,17:28:10	,18-Sep-2008
657,	48.2,	18.2,	62,	0.2331	,17:29:10	,18-Sep-2008
658,	50.9,	18.1,	62,	0.2905	,17:30:10	,18-Sep-2008
659,	37.2,	18.1,	62,	0.2284	,17:31:10	,18-Sep-2008
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662,	35.1,	18.0,	62,	0.2178	,17:34:10	,18-Sep-2008
663,	35.4,	18.0,	62,	0.2000	,17:35:10	,18-Sep-2008
664,	43.1,	18.0,	62,	0.2700	,17:36:10	,18-Sep-2008
665,	37.3,	18.0,	62,	0.2380	,17:37:10	,18-Sep-2008
666,	36.5,	18.0,	62,	0.2308	,17:38:10	,18-Sep-2008
667,	38.9,	17.9,	62,	0.2236	,17:39:10	,18-Sep-2008
668,	39.8,	17.9,	62,	0.2282	,17:40:10	,18-Sep-2008

669,	40.5,	17.9,	62,	0.2477	,17:41:10	,18-Sep-2008
670,	34.9,	17.9,	63,	0.2160	,17:42:10	,18-Sep-2008
671,	42.8,	17.8,	63,	0.1927	,17:43:10	,18-Sep-2008
672,	41.7,	17.8,	62,	0.1951	,17:44:10	,18-Sep-2008
673,	34.6,	17.8,	63,	0.1956	,17:45:10	,18-Sep-2008
674,	36.9,	17.7,	63,	0.1983	,17:46:10	,18-Sep-2008
675,	38.2,	17.7,	63,	0.2228	,17:47:10	,18-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** Skip Simpson

DAY OF WEEK & DATE: Thurs., Sept 18, 2008 **REPORT NO.** 32

WEATHER Sunny **TEMPERATURE** 60L 83H

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:

(07:00-18:00) Contractor's working hours at Wheeler Bay

(07:00) Contractor's safety meeting

Crew continues to secure demarcation fence on top of subgrade, from toe of slope to top of bank, between sta 7+75 to sta 3+50 as required by dwg detail 3/C-3.
According to Environcon's surveyor, he determined that the bank's slope of 3:1 from approx sta 5+75 to 3+75 had to have additional common excavated material removed to attain design elevations for top of subgrade. JD450 removed the common excavated material and stockpiled it on top of bank.

CC:5
PC200 removed additional common excavated material at transition area (approx 50T) where slope goes from 3:1 to 2:1 in order to be maintain slope from elev 25 to top of bank.
This common excavated material is being stockpiled on top of bank and is scheduled to be hauled off site to Wasco Landfill on Friday, 9-18.
According to Ashcreek proj eng. (Herb) the CC:5 overburden (approx 50T) is a cost item and is separate from material removed from other work areas. Other work areas where common excavation material is removed is part of the original contract and is a lump sum item.
JD 544 loading HM30 with select fill and armor rock and hauling/dumping material at transition area after crew has secured demarcation fence top of subgrade. PC 200 placing select fill first followed by the armor rock.
Crews spent most of the work shift performing work on CC:5.

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** Skip Simpson

DAY OF WEEK & DATE: Thurs., Sept 18, 2008 **REPORT NO.** 32

WEATHER Sunny **TEMPERATURE** 60L 83H

INSPECTOR Philipp G. Bales HRS DATE 9-18-8

(signature on hardcopy)

Ash Creek Associates, Inc.
Environmental and Geotechnical Consultants
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Portland, Oregon 97005-4814
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Portland (503) 924-4704
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Fax (503) 924-4707

PROJECT NUMBER	1066-04		
FIELD REPORT NUMBER	33		
PAGE	1	OF	2
DATE	9/19/2008		

PROJECT	Wheeler Bay Stabilization	ARRIVAL TIME	655
LOCATION	Terminal 4	DEPARTURE TIME	1230
CLIENT	Port of Portland	WEATHER	mostly cloudy 70F; Winds: NW 8-10 mph
PURPOSE OF OBSERVATIONS	Field Oversight		
ASH CREEK REPRESENTATIVE	D. Urquhart and H. Clough	ASH CREEK PROJECT MANAGER	H. Clough
SUBCONTRACTOR	Envirocon	SUBCONTRACTOR REP.	S. Simpson

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

DAILY INSPECTION LOG:

Construction Element	MEETS INSPECTION CRITERIA			SEE ENVIROCON REPORT	SEE BELOW
	YES	NO	NA		
Site Preparation					
Erosion Control Installation			X		
Clearing and Grubbing			X		
Load Out Excess Cut	X			X	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		
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
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:

Finish installating demarcation layer, select fill, and armor rock at transition area at 7+00 to 7+50. Load out excess cut from top of slope and cut from transition area. Select fill delivered to site.

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PROJECT NUMBER	1066-04		
FIELD REPORT NUMBER	33		
PAGE	2	OF	2
DATE	9/19/2008		

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:

Finish transition area, deliver select fill, and load out excess cut.

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: 76 | Site Conditions: dry
Min Temp: 55 | Winds: Light
Precipitation: none

Report Information:

Date: 9/19/2008
Week Day: Friday
Shift: 7AM-3:30 PM

Report Prepared By:

Personnel	WBS Task	Hours	Start	Finish	Equip	No.	Run	Stdby	WBS Task Code	Comments
WES JENSEN	302	10.5	7AM	3:30 PM	HM300 ARTIC	Modem	4		302	Filter/Armor
RICK MARTIN	302	10.5	7AM	3:30 PM	JD450 DOZER	United	0		302	
MIKE MCCOY	302	10.5	7AM	3:30 PM	PC200 EXC.	3366	7		302	Filter/Armor
MATTHEW PATCHING	302	10.5	7AM	3:30 PM	WATER TRUCK	United	5		302	Dust control
SKIP SIMPSON					JD310 BACKHOE	1196	2		302	Filter/Armor
SUZANNE STARKEY					JD544J Loader	United	3		302	Load

DESCRIPTION OF WORK (detail below):

Transition Area Change Order 5. Place filter rock, armor rock, STA's 7+05 to 7+70.

Touch up subgrade STA 3+00 to 5+50.

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	7+05		7+40		50 CY			312000-3 (2.3)
Armor Type 3	7+05		7+40		50 CY			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.):

Load out unsuitable spoil: ~96 tons contract, ~32 tons transition Area Change Order 5.

Import 62.68 tons select fill (1 1/2"-)

DAILY INSPECTION LOG:

TYPE	TECHNICAL SPECIFICATION NO.	LOCATION / NATURE OF DEFECT	CORRECTIVE ACTION TAKEN OR PROPOSED	COMMENTS
TESC	015713-1.3.C	Silt Fence knocked down by armor	Reinstalled downed sections. STA 7+05.	
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.  ", "D736      "
"Device no.  ", 1
"Tag Number  ", 2
"Start Time  ", 06:44:50
"Start Date  ", 19-Sep-2008
"Log Period  ", 00:01:00
"Number      ", 516
"CalFactor   ", 1.000000
"Unit        ", 0
"Unit Name   ", "(MASS )ug/m3"
"SIZE_CORRECT", "DISABLED"
"TEMPUNITS   ", C
"Max MASS    ", 405.700100
"Max MASS  @ ", 472  ,14:36:50  ,19-Sep-2008
"Avg MASS    ", 20.150750
"Max Diam    ", 0.509457
"Max Diam @  ", 472  ,14:36:50  ,19-Sep-2008
"Avg Diam    ", 0.142253
"ALARM       ", "DISABLED"
"ALARM_LEVEL ", 0.0
"AUTO_ZERO   ", "DISABLED"
"AZ INTERVAL ", 1
"Errors      ", 0000
record,"(MASS )ug/m3", Temp, RHumidity, Diameter
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     2,       19.7,  20.0,   58,   0.1451  ,06:46:50  ,19-Sep-2008
     3,       20.0,  19.9,   57,   0.1481  ,06:47:50  ,19-Sep-2008
     4,       19.6,  19.8,   57,   0.1310  ,06:48:50  ,19-Sep-2008
     5,       21.6,  19.7,   56,   0.1666  ,06:49:50  ,19-Sep-2008
     6,       21.1,  19.5,   56,   0.1555  ,06:50:50  ,19-Sep-2008
     7,       20.6,  19.4,   56,   0.1517  ,06:51:50  ,19-Sep-2008
     8,       20.6,  19.3,   56,   0.1384  ,06:52:50  ,19-Sep-2008
     9,       21.4,  19.2,   56,   0.1606  ,06:53:50  ,19-Sep-2008
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    11,       21.3,  18.9,   56,   0.1674  ,06:55:50  ,19-Sep-2008
    12,       20.2,  18.8,   56,   0.1471  ,06:56:50  ,19-Sep-2008
    13,       20.9,  18.7,   56,   0.1522  ,06:57:50  ,19-Sep-2008
    14,       22.6,  18.5,   56,   0.1884  ,06:58:50  ,19-Sep-2008
    15,       21.4,  18.5,   56,   0.1735  ,06:59:50  ,19-Sep-2008
    16,       22.8,  18.3,   57,   0.1909  ,07:00:50  ,19-Sep-2008
    17,       22.3,  18.2,   57,   0.1826  ,07:01:50  ,19-Sep-2008
    18,       21.2,  18.1,   57,   0.1620  ,07:02:50  ,19-Sep-2008
    19,       21.1,  18.0,   57,   0.1665  ,07:03:50  ,19-Sep-2008
    20,       20.4,  17.8,   58,   0.1731  ,07:04:50  ,19-Sep-2008
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    24,       20.7,  17.5,   59,   0.1493  ,07:08:50  ,19-Sep-2008
    25,       20.9,  17.3,   59,   0.1622  ,07:09:50  ,19-Sep-2008
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    31,       26.0,  16.8,   60,   0.1738  ,07:15:50  ,19-Sep-2008
    32,       30.6,  16.8,   61,   0.2004  ,07:16:50  ,19-Sep-2008
    33,       26.9,  16.7,   61,   0.2011  ,07:17:50  ,19-Sep-2008
    34,       22.7,  16.6,   61,   0.1781  ,07:18:50  ,19-Sep-2008
    35,       23.9,  16.6,   61,   0.1932  ,07:19:50  ,19-Sep-2008
    36,       23.5,  16.5,   61,   0.1796  ,07:20:50  ,19-Sep-2008
    37,       23.7,  16.4,   62,   0.1821  ,07:21:50  ,19-Sep-2008
    38,       23.8,  16.4,   62,   0.1605  ,07:22:50  ,19-Sep-2008
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42,	24.2,	16.1,	63,	0.1763	,07:26:50	,19-Sep-2008
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45,	22.9,	16.0,	64,	0.1682	,07:29:50	,19-Sep-2008
46,	28.5,	16.0,	64,	0.2213	,07:30:50	,19-Sep-2008
47,	22.4,	16.0,	64,	0.1854	,07:31:50	,19-Sep-2008
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51,	21.9,	15.8,	65,	0.1512	,07:35:50	,19-Sep-2008
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53,	23.0,	15.7,	65,	0.1681	,07:37:50	,19-Sep-2008
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62,	22.3,	15.3,	67,	0.1741	,07:46:50	,19-Sep-2008
63,	21.7,	15.3,	67,	0.1625	,07:47:50	,19-Sep-2008
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77,	22.2,	15.1,	68,	0.1791	,08:01:50	,19-Sep-2008
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79,	21.2,	15.0,	68,	0.1781	,08:03:50	,19-Sep-2008
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83,	21.2,	15.0,	69,	0.1577	,08:07:50	,19-Sep-2008
84,	20.0,	15.0,	69,	0.1541	,08:08:50	,19-Sep-2008
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86,	21.3,	15.0,	69,	0.1657	,08:10:50	,19-Sep-2008
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90,	19.8,	15.0,	69,	0.1455	,08:14:50	,19-Sep-2008
91,	19.9,	15.0,	69,	0.1288	,08:15:50	,19-Sep-2008
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93,	21.7,	15.0,	69,	0.1431	,08:17:50	,19-Sep-2008
94,	24.1,	15.0,	69,	0.1581	,08:18:50	,19-Sep-2008
95,	23.8,	14.9,	69,	0.1835	,08:19:50	,19-Sep-2008
96,	20.2,	15.0,	69,	0.1728	,08:20:50	,19-Sep-2008
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99,	21.0,	14.9,	69,	0.1681	,08:23:50	,19-Sep-2008
100,	19.9,	14.9,	69,	0.1594	,08:24:50	,19-Sep-2008
101,	21.3,	14.9,	69,	0.1680	,08:25:50	,19-Sep-2008

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105,	26.6,	15.0,	69,	0.2269	,08:29:50	,19-Sep-2008
106,	19.2,	15.0,	69,	0.1762	,08:30:50	,19-Sep-2008
107,	18.1,	15.0,	69,	0.1433	,08:31:50	,19-Sep-2008
108,	18.3,	15.0,	70,	0.1426	,08:32:50	,19-Sep-2008
109,	19.7,	15.0,	69,	0.1584	,08:33:50	,19-Sep-2008
110,	18.3,	15.0,	69,	0.1462	,08:34:50	,19-Sep-2008
111,	20.1,	15.0,	69,	0.1825	,08:35:50	,19-Sep-2008
112,	20.6,	15.0,	69,	0.1772	,08:36:50	,19-Sep-2008
113,	21.7,	15.0,	69,	0.2030	,08:37:50	,19-Sep-2008
114,	17.8,	15.0,	69,	0.1519	,08:38:50	,19-Sep-2008
115,	18.9,	15.0,	69,	0.1589	,08:39:50	,19-Sep-2008
116,	19.3,	15.0,	69,	0.1521	,08:40:50	,19-Sep-2008
117,	19.9,	15.0,	70,	0.1690	,08:41:50	,19-Sep-2008
118,	19.2,	15.0,	70,	0.1638	,08:42:50	,19-Sep-2008
119,	20.9,	15.0,	70,	0.1747	,08:43:50	,19-Sep-2008
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121,	21.6,	15.1,	70,	0.1782	,08:45:50	,19-Sep-2008
122,	19.0,	15.1,	70,	0.1501	,08:46:50	,19-Sep-2008
123,	17.5,	15.1,	70,	0.1446	,08:47:50	,19-Sep-2008
124,	16.7,	15.1,	70,	0.1535	,08:48:50	,19-Sep-2008
125,	16.8,	15.1,	70,	0.1444	,08:49:50	,19-Sep-2008
126,	18.7,	15.1,	70,	0.1485	,08:50:50	,19-Sep-2008
127,	18.3,	15.1,	70,	0.1472	,08:51:50	,19-Sep-2008
128,	19.3,	15.2,	70,	0.1653	,08:52:50	,19-Sep-2008
129,	19.7,	15.2,	70,	0.1831	,08:53:50	,19-Sep-2008
130,	19.1,	15.2,	70,	0.1388	,08:54:50	,19-Sep-2008
131,	18.1,	15.2,	70,	0.1496	,08:55:50	,19-Sep-2008
132,	17.3,	15.2,	70,	0.1485	,08:56:50	,19-Sep-2008
133,	18.6,	15.2,	69,	0.1528	,08:57:50	,19-Sep-2008
134,	17.4,	15.2,	69,	0.1531	,08:58:50	,19-Sep-2008
135,	18.5,	15.3,	69,	0.1390	,08:59:50	,19-Sep-2008
136,	18.3,	15.3,	70,	0.1389	,09:00:50	,19-Sep-2008
137,	20.8,	15.3,	69,	0.1602	,09:01:50	,19-Sep-2008
138,	17.6,	15.3,	69,	0.1413	,09:02:50	,19-Sep-2008
139,	15.9,	15.4,	69,	0.1580	,09:03:50	,19-Sep-2008
140,	15.2,	15.4,	69,	0.1488	,09:04:50	,19-Sep-2008
141,	16.3,	15.4,	69,	0.1415	,09:05:50	,19-Sep-2008
142,	15.2,	15.4,	69,	0.1276	,09:06:50	,19-Sep-2008
143,	14.7,	15.4,	69,	0.1237	,09:07:50	,19-Sep-2008
144,	14.7,	15.4,	69,	0.1222	,09:08:50	,19-Sep-2008
145,	17.1,	15.4,	69,	0.1570	,09:09:50	,19-Sep-2008
146,	16.5,	15.5,	69,	0.1556	,09:10:50	,19-Sep-2008
147,	15.9,	15.5,	69,	0.1511	,09:11:50	,19-Sep-2008
148,	18.3,	15.5,	69,	0.1496	,09:12:50	,19-Sep-2008
149,	16.1,	15.5,	69,	0.1612	,09:13:50	,19-Sep-2008
150,	16.2,	15.5,	69,	0.1279	,09:14:50	,19-Sep-2008
151,	17.0,	15.5,	69,	0.1216	,09:15:50	,19-Sep-2008
152,	17.0,	15.5,	69,	0.1438	,09:16:50	,19-Sep-2008
153,	17.4,	15.5,	69,	0.1569	,09:17:50	,19-Sep-2008
154,	17.6,	15.5,	69,	0.1523	,09:18:50	,19-Sep-2008
155,	17.2,	15.5,	69,	0.1277	,09:19:50	,19-Sep-2008
156,	17.2,	15.5,	69,	0.1474	,09:20:50	,19-Sep-2008
157,	16.8,	15.5,	69,	0.1296	,09:21:50	,19-Sep-2008
158,	16.8,	15.6,	69,	0.1427	,09:22:50	,19-Sep-2008
159,	16.3,	15.6,	69,	0.1445	,09:23:50	,19-Sep-2008
160,	17.2,	15.6,	69,	0.1541	,09:24:50	,19-Sep-2008
161,	16.8,	15.6,	69,	0.1488	,09:25:50	,19-Sep-2008
162,	15.6,	15.6,	69,	0.1334	,09:26:50	,19-Sep-2008
163,	16.0,	15.6,	69,	0.1384	,09:27:50	,19-Sep-2008
164,	16.7,	15.6,	69,	0.1567	,09:28:50	,19-Sep-2008

165,	17.0,	15.6,	69,	0.1297	,09:29:50	,19-Sep-2008
166,	16.8,	15.6,	69,	0.1399	,09:30:50	,19-Sep-2008
167,	16.4,	15.6,	69,	0.1456	,09:31:50	,19-Sep-2008
168,	18.3,	15.7,	69,	0.1410	,09:32:50	,19-Sep-2008
169,	17.2,	15.6,	69,	0.1623	,09:33:50	,19-Sep-2008
170,	16.4,	15.7,	69,	0.1434	,09:34:50	,19-Sep-2008
171,	15.4,	15.7,	69,	0.1379	,09:35:50	,19-Sep-2008
172,	17.0,	15.7,	69,	0.1461	,09:36:50	,19-Sep-2008
173,	15.5,	15.7,	69,	0.1360	,09:37:50	,19-Sep-2008
174,	16.8,	15.7,	69,	0.1484	,09:38:50	,19-Sep-2008
175,	15.9,	15.7,	69,	0.1312	,09:39:50	,19-Sep-2008
176,	17.5,	15.8,	68,	0.1414	,09:40:50	,19-Sep-2008
177,	16.9,	15.8,	69,	0.1489	,09:41:50	,19-Sep-2008
178,	23.5,	15.8,	69,	0.1559	,09:42:50	,19-Sep-2008
179,	15.7,	15.9,	69,	0.1482	,09:43:50	,19-Sep-2008
180,	17.6,	15.9,	68,	0.1683	,09:44:50	,19-Sep-2008
181,	18.0,	15.9,	68,	0.1645	,09:45:50	,19-Sep-2008
182,	15.6,	15.9,	68,	0.1452	,09:46:50	,19-Sep-2008
183,	16.3,	16.0,	68,	0.1524	,09:47:50	,19-Sep-2008
184,	16.6,	16.0,	68,	0.1215	,09:48:50	,19-Sep-2008
185,	15.5,	16.0,	68,	0.1191	,09:49:50	,19-Sep-2008
186,	14.8,	16.1,	68,	0.1135	,09:50:50	,19-Sep-2008
187,	15.9,	16.1,	68,	0.1425	,09:51:50	,19-Sep-2008
188,	17.6,	16.1,	68,	0.1658	,09:52:50	,19-Sep-2008
189,	15.8,	16.2,	68,	0.1521	,09:53:50	,19-Sep-2008
190,	16.0,	16.2,	68,	0.1407	,09:54:50	,19-Sep-2008
191,	15.8,	16.2,	68,	0.1207	,09:55:50	,19-Sep-2008
192,	16.3,	16.3,	67,	0.1432	,09:56:50	,19-Sep-2008
193,	16.3,	16.3,	67,	0.1499	,09:57:50	,19-Sep-2008
194,	15.7,	16.4,	67,	0.1485	,09:58:50	,19-Sep-2008
195,	15.7,	16.4,	67,	0.1273	,09:59:50	,19-Sep-2008
196,	14.2,	16.4,	67,	0.1261	,10:00:50	,19-Sep-2008
197,	14.4,	16.5,	67,	0.1432	,10:01:50	,19-Sep-2008
198,	17.2,	16.5,	66,	0.1451	,10:02:50	,19-Sep-2008
199,	18.1,	16.5,	66,	0.1446	,10:03:50	,19-Sep-2008
200,	31.7,	16.5,	66,	0.2628	,10:04:50	,19-Sep-2008
201,	15.4,	16.6,	66,	0.1650	,10:05:50	,19-Sep-2008
202,	15.4,	16.6,	66,	0.1485	,10:06:50	,19-Sep-2008
203,	20.5,	16.6,	66,	0.1920	,10:07:50	,19-Sep-2008
204,	15.7,	16.7,	66,	0.1611	,10:08:50	,19-Sep-2008
205,	16.0,	16.7,	66,	0.1402	,10:09:50	,19-Sep-2008
206,	17.3,	16.7,	66,	0.1529	,10:10:50	,19-Sep-2008
207,	15.4,	16.7,	66,	0.1375	,10:11:50	,19-Sep-2008
208,	14.4,	16.8,	66,	0.1370	,10:12:50	,19-Sep-2008
209,	17.1,	16.8,	65,	0.1469	,10:13:50	,19-Sep-2008
210,	18.2,	16.9,	65,	0.1983	,10:14:50	,19-Sep-2008
211,	15.8,	16.9,	65,	0.1355	,10:15:50	,19-Sep-2008
212,	13.8,	16.9,	65,	0.1227	,10:16:50	,19-Sep-2008
213,	14.2,	16.9,	65,	0.1355	,10:17:50	,19-Sep-2008
214,	13.8,	17.0,	65,	0.1392	,10:18:50	,19-Sep-2008
215,	13.7,	17.0,	65,	0.1517	,10:19:50	,19-Sep-2008
216,	13.4,	17.0,	65,	0.1454	,10:20:50	,19-Sep-2008
217,	13.3,	17.0,	65,	0.1228	,10:21:50	,19-Sep-2008
218,	17.0,	17.1,	65,	0.1596	,10:22:50	,19-Sep-2008
219,	15.7,	17.1,	65,	0.1412	,10:23:50	,19-Sep-2008
220,	18.2,	17.1,	65,	0.1574	,10:24:50	,19-Sep-2008
221,	14.5,	17.1,	65,	0.1548	,10:25:50	,19-Sep-2008
222,	13.7,	17.2,	65,	0.1208	,10:26:50	,19-Sep-2008
223,	13.9,	17.2,	64,	0.1412	,10:27:50	,19-Sep-2008
224,	13.8,	17.2,	64,	0.1328	,10:28:50	,19-Sep-2008
225,	13.6,	17.2,	64,	0.1333	,10:29:50	,19-Sep-2008
226,	13.5,	17.3,	64,	0.1380	,10:30:50	,19-Sep-2008
227,	14.5,	17.4,	64,	0.1497	,10:31:50	,19-Sep-2008

228,	16.3,	17.4,	64,	0.1632	,10:32:50	,19-Sep-2008
229,	13.6,	17.4,	64,	0.1314	,10:33:50	,19-Sep-2008
230,	15.5,	17.4,	64,	0.1474	,10:34:50	,19-Sep-2008
231,	14.7,	17.5,	63,	0.1399	,10:35:50	,19-Sep-2008
232,	15.5,	17.5,	63,	0.1584	,10:36:50	,19-Sep-2008
233,	15.6,	17.5,	63,	0.1483	,10:37:50	,19-Sep-2008
234,	14.5,	17.5,	63,	0.1418	,10:38:50	,19-Sep-2008
235,	15.1,	17.6,	63,	0.1374	,10:39:50	,19-Sep-2008
236,	21.0,	17.6,	63,	0.1540	,10:40:50	,19-Sep-2008
237,	26.7,	17.6,	62,	0.1953	,10:41:50	,19-Sep-2008
238,	20.1,	17.6,	62,	0.1536	,10:42:50	,19-Sep-2008
239,	14.9,	17.7,	62,	0.1282	,10:43:50	,19-Sep-2008
240,	15.0,	17.7,	62,	0.1281	,10:44:50	,19-Sep-2008
241,	14.8,	17.7,	62,	0.1468	,10:45:50	,19-Sep-2008
242,	14.0,	17.8,	62,	0.1226	,10:46:50	,19-Sep-2008
243,	14.1,	17.8,	62,	0.1264	,10:47:50	,19-Sep-2008
244,	14.0,	17.8,	62,	0.1332	,10:48:50	,19-Sep-2008
245,	14.2,	17.9,	62,	0.1282	,10:49:50	,19-Sep-2008
246,	13.5,	17.9,	61,	0.1025	,10:50:50	,19-Sep-2008
247,	13.9,	18.0,	62,	0.1225	,10:51:50	,19-Sep-2008
248,	14.3,	18.0,	61,	0.1310	,10:52:50	,19-Sep-2008
249,	14.5,	18.0,	61,	0.1331	,10:53:50	,19-Sep-2008
250,	14.5,	18.0,	61,	0.1201	,10:54:50	,19-Sep-2008
251,	13.8,	18.1,	61,	0.1137	,10:55:50	,19-Sep-2008
252,	14.1,	18.1,	60,	0.1238	,10:56:50	,19-Sep-2008
253,	13.9,	18.1,	60,	0.1332	,10:57:50	,19-Sep-2008
254,	14.2,	18.1,	60,	0.1266	,10:58:50	,19-Sep-2008
255,	13.5,	18.2,	60,	0.1297	,10:59:50	,19-Sep-2008
256,	13.7,	18.2,	60,	0.1185	,11:00:50	,19-Sep-2008
257,	13.9,	18.2,	60,	0.1355	,11:01:50	,19-Sep-2008
258,	13.9,	18.2,	60,	0.1277	,11:02:50	,19-Sep-2008
259,	14.1,	18.3,	60,	0.1374	,11:03:50	,19-Sep-2008
260,	14.9,	18.3,	60,	0.1352	,11:04:50	,19-Sep-2008
261,	14.3,	18.3,	60,	0.1479	,11:05:50	,19-Sep-2008
262,	13.7,	18.3,	60,	0.1351	,11:06:50	,19-Sep-2008
263,	14.8,	18.4,	61,	0.1465	,11:07:50	,19-Sep-2008
264,	14.9,	18.4,	61,	0.1258	,11:08:50	,19-Sep-2008
265,	14.7,	18.4,	61,	0.1204	,11:09:50	,19-Sep-2008
266,	13.9,	18.4,	61,	0.1177	,11:10:50	,19-Sep-2008
267,	12.8,	18.4,	60,	0.0994	,11:11:50	,19-Sep-2008
268,	19.7,	18.5,	60,	0.1346	,11:12:50	,19-Sep-2008
269,	14.2,	18.5,	60,	0.1339	,11:13:50	,19-Sep-2008
270,	14.0,	18.5,	60,	0.1379	,11:14:50	,19-Sep-2008
271,	14.0,	18.5,	60,	0.1257	,11:15:50	,19-Sep-2008
272,	13.7,	18.5,	60,	0.1388	,11:16:50	,19-Sep-2008
273,	13.9,	18.5,	60,	0.1395	,11:17:50	,19-Sep-2008
274,	15.2,	18.5,	60,	0.1387	,11:18:50	,19-Sep-2008
275,	15.6,	18.6,	59,	0.1342	,11:19:50	,19-Sep-2008
276,	15.0,	18.6,	59,	0.1350	,11:20:50	,19-Sep-2008
277,	15.8,	18.6,	59,	0.1556	,11:21:50	,19-Sep-2008
278,	15.3,	18.6,	60,	0.1347	,11:22:50	,19-Sep-2008
279,	14.4,	18.6,	60,	0.1313	,11:23:50	,19-Sep-2008
280,	14.5,	18.7,	59,	0.1253	,11:24:50	,19-Sep-2008
281,	14.8,	18.7,	59,	0.1247	,11:25:50	,19-Sep-2008
282,	15.9,	18.7,	59,	0.1587	,11:26:50	,19-Sep-2008
283,	15.7,	18.7,	59,	0.1434	,11:27:50	,19-Sep-2008
284,	14.9,	18.7,	59,	0.1370	,11:28:50	,19-Sep-2008
285,	14.0,	18.8,	59,	0.1247	,11:29:50	,19-Sep-2008
286,	14.2,	18.8,	59,	0.1054	,11:30:50	,19-Sep-2008
287,	16.9,	18.8,	59,	0.0998	,11:31:50	,19-Sep-2008
288,	15.1,	18.9,	59,	0.1216	,11:32:50	,19-Sep-2008
289,	14.7,	18.9,	59,	0.1133	,11:33:50	,19-Sep-2008
290,	15.5,	18.9,	59,	0.1121	,11:34:50	,19-Sep-2008

291,	15.6,	19.0,	59,	0.1112	,11:35:50	,19-Sep-2008
292,	16.8,	19.0,	59,	0.1408	,11:36:50	,19-Sep-2008
293,	14.3,	19.0,	58,	0.1094	,11:37:50	,19-Sep-2008
294,	14.8,	19.0,	58,	0.1247	,11:38:50	,19-Sep-2008
295,	15.1,	19.1,	58,	0.1272	,11:39:50	,19-Sep-2008
296,	15.4,	19.1,	58,	0.1336	,11:40:50	,19-Sep-2008
297,	14.9,	19.2,	58,	0.1172	,11:41:50	,19-Sep-2008
298,	15.0,	19.2,	57,	0.1107	,11:42:50	,19-Sep-2008
299,	14.7,	19.3,	57,	0.1185	,11:43:50	,19-Sep-2008
300,	15.2,	19.3,	57,	0.1253	,11:44:50	,19-Sep-2008
301,	16.5,	19.4,	57,	0.1150	,11:45:50	,19-Sep-2008
302,	22.2,	19.5,	57,	0.1605	,11:46:50	,19-Sep-2008
303,	15.2,	19.5,	56,	0.1329	,11:47:50	,19-Sep-2008
304,	15.4,	19.6,	56,	0.1324	,11:48:50	,19-Sep-2008
305,	14.0,	19.6,	56,	0.1048	,11:49:50	,19-Sep-2008
306,	14.6,	19.6,	56,	0.1010	,11:50:50	,19-Sep-2008
307,	17.3,	19.7,	56,	0.1614	,11:51:50	,19-Sep-2008
308,	15.0,	19.7,	56,	0.1392	,11:52:50	,19-Sep-2008
309,	14.9,	19.7,	56,	0.1209	,11:53:50	,19-Sep-2008
310,	15.0,	19.8,	55,	0.1284	,11:54:50	,19-Sep-2008
311,	16.0,	19.8,	56,	0.1182	,11:55:50	,19-Sep-2008
312,	14.6,	19.8,	56,	0.1195	,11:56:50	,19-Sep-2008
313,	18.6,	19.8,	56,	0.1351	,11:57:50	,19-Sep-2008
314,	14.6,	19.8,	56,	0.0974	,11:58:50	,19-Sep-2008
315,	14.6,	19.8,	56,	0.1127	,11:59:50	,19-Sep-2008
316,	15.1,	19.9,	56,	0.1152	,12:00:50	,19-Sep-2008
317,	14.7,	19.9,	56,	0.1117	,12:01:50	,19-Sep-2008
318,	14.9,	19.9,	55,	0.1082	,12:02:50	,19-Sep-2008
319,	14.3,	19.9,	55,	0.1009	,12:03:50	,19-Sep-2008
320,	14.6,	19.9,	55,	0.0973	,12:04:50	,19-Sep-2008
321,	14.5,	20.0,	55,	0.1094	,12:05:50	,19-Sep-2008
322,	14.8,	20.0,	55,	0.1062	,12:06:50	,19-Sep-2008
323,	14.6,	20.1,	54,	0.0888	,12:07:50	,19-Sep-2008
324,	14.5,	20.1,	54,	0.1006	,12:08:50	,19-Sep-2008
325,	14.3,	20.2,	54,	0.1004	,12:09:50	,19-Sep-2008
326,	13.1,	20.2,	54,	0.0897	,12:10:50	,19-Sep-2008
327,	13.5,	20.3,	53,	0.0840	,12:11:50	,19-Sep-2008
328,	14.6,	20.3,	53,	0.1133	,12:12:50	,19-Sep-2008
329,	15.1,	20.3,	53,	0.1105	,12:13:50	,19-Sep-2008
330,	16.9,	20.4,	53,	0.1261	,12:14:50	,19-Sep-2008
331,	16.4,	20.4,	53,	0.1344	,12:15:50	,19-Sep-2008
332,	15.0,	20.5,	53,	0.1139	,12:16:50	,19-Sep-2008
333,	15.4,	20.5,	53,	0.1261	,12:17:50	,19-Sep-2008
334,	14.4,	20.5,	53,	0.1069	,12:18:50	,19-Sep-2008
335,	15.3,	20.5,	53,	0.1268	,12:19:50	,19-Sep-2008
336,	14.5,	20.6,	53,	0.1155	,12:20:50	,19-Sep-2008
337,	14.1,	20.7,	53,	0.1277	,12:21:50	,19-Sep-2008
338,	14.1,	20.8,	53,	0.1068	,12:22:50	,19-Sep-2008
339,	13.9,	20.8,	52,	0.0990	,12:23:50	,19-Sep-2008
340,	12.9,	20.9,	52,	0.0920	,12:24:50	,19-Sep-2008
341,	14.1,	21.0,	52,	0.1179	,12:25:50	,19-Sep-2008
342,	13.5,	21.1,	52,	0.1182	,12:26:50	,19-Sep-2008
343,	15.6,	21.1,	51,	0.1336	,12:27:50	,19-Sep-2008
344,	15.6,	21.2,	51,	0.1323	,12:28:50	,19-Sep-2008
345,	13.4,	21.2,	51,	0.0960	,12:29:50	,19-Sep-2008
346,	12.7,	21.3,	51,	0.0742	,12:30:50	,19-Sep-2008
347,	14.7,	21.3,	50,	0.1035	,12:31:50	,19-Sep-2008
348,	16.5,	21.4,	50,	0.1342	,12:32:50	,19-Sep-2008
349,	26.0,	21.5,	50,	0.1871	,12:33:50	,19-Sep-2008
350,	39.3,	21.5,	50,	0.1569	,12:34:50	,19-Sep-2008
351,	25.9,	21.6,	50,	0.1443	,12:35:50	,19-Sep-2008
352,	20.2,	21.6,	49,	0.1493	,12:36:50	,19-Sep-2008
353,	23.7,	21.6,	49,	0.1143	,12:37:50	,19-Sep-2008

354,	17.3,	21.7,	49,	0.0977	,12:38:50	,19-Sep-2008
355,	18.8,	21.7,	48,	0.1406	,12:39:50	,19-Sep-2008
356,	18.5,	21.7,	49,	0.1167	,12:40:50	,19-Sep-2008
357,	24.2,	21.8,	49,	0.1924	,12:41:50	,19-Sep-2008
358,	16.6,	21.9,	49,	0.1181	,12:42:50	,19-Sep-2008
359,	15.0,	21.9,	48,	0.1079	,12:43:50	,19-Sep-2008
360,	13.3,	22.0,	48,	0.1001	,12:44:50	,19-Sep-2008
361,	13.9,	22.1,	48,	0.1067	,12:45:50	,19-Sep-2008
362,	12.9,	22.1,	48,	0.0828	,12:46:50	,19-Sep-2008
363,	14.3,	22.2,	48,	0.0996	,12:47:50	,19-Sep-2008
364,	13.6,	22.3,	48,	0.0903	,12:48:50	,19-Sep-2008
365,	14.9,	22.4,	48,	0.1004	,12:49:50	,19-Sep-2008
366,	13.3,	22.5,	48,	0.0841	,12:50:50	,19-Sep-2008
367,	17.1,	22.5,	47,	0.1160	,12:51:50	,19-Sep-2008
368,	13.5,	22.6,	47,	0.0904	,12:52:50	,19-Sep-2008
369,	14.7,	22.6,	47,	0.1040	,12:53:50	,19-Sep-2008
370,	14.5,	22.7,	47,	0.1066	,12:54:50	,19-Sep-2008
371,	15.6,	22.7,	47,	0.1155	,12:55:50	,19-Sep-2008
372,	17.5,	22.8,	47,	0.1458	,12:56:50	,19-Sep-2008
373,	15.8,	22.9,	46,	0.1221	,12:57:50	,19-Sep-2008
374,	15.8,	23.0,	46,	0.0979	,12:58:50	,19-Sep-2008
375,	16.1,	23.0,	46,	0.1212	,12:59:50	,19-Sep-2008
376,	17.4,	23.1,	45,	0.1295	,13:00:50	,19-Sep-2008
377,	19.9,	23.1,	45,	0.1494	,13:01:50	,19-Sep-2008
378,	20.2,	23.2,	45,	0.1276	,13:02:50	,19-Sep-2008
379,	19.1,	23.2,	45,	0.1459	,13:03:50	,19-Sep-2008
380,	19.5,	23.3,	45,	0.1545	,13:04:50	,19-Sep-2008
381,	19.9,	23.4,	45,	0.1286	,13:05:50	,19-Sep-2008
382,	16.7,	23.5,	44,	0.1069	,13:06:50	,19-Sep-2008
383,	15.5,	23.6,	44,	0.0983	,13:07:50	,19-Sep-2008
384,	14.7,	23.6,	44,	0.1028	,13:08:50	,19-Sep-2008
385,	14.2,	23.7,	44,	0.1001	,13:09:50	,19-Sep-2008
386,	15.2,	23.8,	44,	0.1010	,13:10:50	,19-Sep-2008
387,	13.5,	23.9,	44,	0.0902	,13:11:50	,19-Sep-2008
388,	13.3,	23.9,	44,	0.0837	,13:12:50	,19-Sep-2008
389,	13.9,	24.0,	44,	0.1002	,13:13:50	,19-Sep-2008
390,	14.3,	24.1,	44,	0.0847	,13:14:50	,19-Sep-2008
391,	15.0,	24.1,	44,	0.1028	,13:15:50	,19-Sep-2008
392,	13.2,	24.2,	43,	0.0810	,13:16:50	,19-Sep-2008
393,	14.1,	24.2,	43,	0.1025	,13:17:50	,19-Sep-2008
394,	15.2,	24.3,	43,	0.1333	,13:18:50	,19-Sep-2008
395,	14.5,	24.5,	43,	0.1082	,13:19:50	,19-Sep-2008
396,	13.1,	24.5,	43,	0.0832	,13:20:50	,19-Sep-2008
397,	13.6,	24.6,	42,	0.0914	,13:21:50	,19-Sep-2008
398,	15.1,	24.7,	42,	0.0912	,13:22:50	,19-Sep-2008
399,	16.8,	24.7,	42,	0.0944	,13:23:50	,19-Sep-2008
400,	15.2,	24.8,	42,	0.1373	,13:24:50	,19-Sep-2008
401,	15.9,	24.8,	42,	0.1143	,13:25:50	,19-Sep-2008
402,	15.5,	24.9,	41,	0.1003	,13:26:50	,19-Sep-2008
403,	13.8,	25.0,	41,	0.0685	,13:27:50	,19-Sep-2008
404,	14.2,	25.0,	41,	0.0934	,13:28:50	,19-Sep-2008
405,	16.1,	25.1,	41,	0.1268	,13:29:50	,19-Sep-2008
406,	15.7,	25.1,	41,	0.1180	,13:30:50	,19-Sep-2008
407,	14.7,	25.2,	40,	0.1092	,13:31:50	,19-Sep-2008
408,	14.7,	25.3,	40,	0.0953	,13:32:50	,19-Sep-2008
409,	25.1,	25.4,	40,	0.1681	,13:33:50	,19-Sep-2008
410,	23.3,	25.5,	40,	0.1299	,13:34:50	,19-Sep-2008
411,	22.3,	25.5,	40,	0.1524	,13:35:50	,19-Sep-2008
412,	17.3,	25.6,	40,	0.1341	,13:36:50	,19-Sep-2008
413,	15.2,	25.7,	40,	0.0941	,13:37:50	,19-Sep-2008
414,	15.4,	25.8,	40,	0.1104	,13:38:50	,19-Sep-2008
415,	15.0,	25.9,	40,	0.0984	,13:39:50	,19-Sep-2008
416,	16.4,	26.0,	40,	0.1221	,13:40:50	,19-Sep-2008

417,	13.3,	26.1,	39,	0.0905	,13:41:50	,19-Sep-2008
418,	16.2,	26.2,	39,	0.0988	,13:42:50	,19-Sep-2008
419,	18.9,	26.3,	39,	0.1470	,13:43:50	,19-Sep-2008
420,	23.5,	26.4,	39,	0.1556	,13:44:50	,19-Sep-2008
421,	18.5,	26.5,	39,	0.1529	,13:45:50	,19-Sep-2008
422,	19.1,	26.6,	39,	0.1451	,13:46:50	,19-Sep-2008
423,	20.8,	26.6,	39,	0.1523	,13:47:50	,19-Sep-2008
424,	18.1,	26.7,	38,	0.1303	,13:48:50	,19-Sep-2008
425,	15.8,	26.8,	38,	0.1324	,13:49:50	,19-Sep-2008
426,	13.0,	26.9,	39,	0.0862	,13:50:50	,19-Sep-2008
427,	15.1,	26.9,	38,	0.1162	,13:51:50	,19-Sep-2008
428,	15.9,	27.0,	38,	0.1109	,13:52:50	,19-Sep-2008
429,	19.0,	27.1,	38,	0.1418	,13:53:50	,19-Sep-2008
430,	14.7,	27.1,	38,	0.0968	,13:54:50	,19-Sep-2008
431,	13.6,	27.2,	38,	0.0776	,13:55:50	,19-Sep-2008
432,	15.3,	27.2,	37,	0.0998	,13:56:50	,19-Sep-2008
433,	13.9,	27.3,	37,	0.0757	,13:57:50	,19-Sep-2008
434,	14.3,	27.3,	37,	0.0786	,13:58:50	,19-Sep-2008
435,	14.6,	27.4,	37,	0.0957	,13:59:50	,19-Sep-2008
436,	14.0,	27.4,	37,	0.1022	,14:00:50	,19-Sep-2008
437,	13.0,	27.5,	37,	0.0857	,14:01:50	,19-Sep-2008
438,	14.9,	27.5,	37,	0.1029	,14:02:50	,19-Sep-2008
439,	14.7,	27.6,	36,	0.1088	,14:03:50	,19-Sep-2008
440,	17.6,	27.6,	36,	0.1449	,14:04:50	,19-Sep-2008
441,	16.5,	27.7,	36,	0.1063	,14:05:50	,19-Sep-2008
442,	19.4,	27.7,	36,	0.1385	,14:06:50	,19-Sep-2008
443,	17.2,	27.8,	36,	0.1388	,14:07:50	,19-Sep-2008
444,	18.3,	27.8,	35,	0.1400	,14:08:50	,19-Sep-2008
445,	17.8,	27.9,	35,	0.1395	,14:09:50	,19-Sep-2008
446,	17.0,	28.0,	35,	0.1368	,14:10:50	,19-Sep-2008
447,	14.1,	28.0,	35,	0.1117	,14:11:50	,19-Sep-2008
448,	14.2,	28.0,	35,	0.1078	,14:12:50	,19-Sep-2008
449,	14.4,	28.1,	35,	0.0935	,14:13:50	,19-Sep-2008
450,	12.6,	28.2,	35,	0.0696	,14:14:50	,19-Sep-2008
451,	13.0,	28.2,	35,	0.0681	,14:15:50	,19-Sep-2008
452,	12.6,	28.3,	35,	0.0767	,14:16:50	,19-Sep-2008
453,	13.6,	28.4,	34,	0.0972	,14:17:50	,19-Sep-2008
454,	13.3,	28.4,	34,	0.0944	,14:18:50	,19-Sep-2008
455,	13.2,	28.4,	34,	0.0846	,14:19:50	,19-Sep-2008
456,	12.4,	28.5,	34,	0.0752	,14:20:50	,19-Sep-2008
457,	12.4,	28.5,	34,	0.0827	,14:21:50	,19-Sep-2008
458,	12.8,	28.6,	34,	0.0801	,14:22:50	,19-Sep-2008
459,	12.6,	28.6,	34,	0.0987	,14:23:50	,19-Sep-2008
460,	13.6,	28.6,	34,	0.1141	,14:24:50	,19-Sep-2008
461,	13.6,	28.7,	34,	0.0954	,14:25:50	,19-Sep-2008
462,	13.8,	28.7,	34,	0.0618	,14:26:50	,19-Sep-2008
463,	11.9,	28.8,	34,	0.0741	,14:27:50	,19-Sep-2008
464,	13.1,	28.8,	34,	0.0886	,14:28:50	,19-Sep-2008
465,	13.6,	28.9,	34,	0.1001	,14:29:50	,19-Sep-2008
466,	13.7,	29.0,	34,	0.1027	,14:30:50	,19-Sep-2008
467,	13.3,	29.0,	33,	0.0780	,14:31:50	,19-Sep-2008
468,	11.7,	29.0,	34,	0.0664	,14:32:50	,19-Sep-2008
469,	15.3,	29.1,	33,	0.0993	,14:33:50	,19-Sep-2008
470,	23.1,	29.1,	33,	0.1752	,14:34:50	,19-Sep-2008
471,	314.4,	29.1,	33,	0.2932	,14:35:50	,19-Sep-2008
472,	405.7,	29.2,	33,	0.5095	,14:36:50	,19-Sep-2008
473,	27.1,	29.2,	33,	0.2497	,14:37:50	,19-Sep-2008
474,	236.2,	29.2,	33,	0.4942	,14:38:50	,19-Sep-2008
475,	73.4,	29.3,	33,	0.4264	,14:39:50	,19-Sep-2008
476,	43.4,	29.3,	33,	0.3821	,14:40:50	,19-Sep-2008
477,	18.7,	29.4,	33,	0.1431	,14:41:50	,19-Sep-2008
478,	15.0,	29.5,	33,	0.1098	,14:42:50	,19-Sep-2008
479,	13.2,	29.5,	33,	0.0743	,14:43:50	,19-Sep-2008

480,	13.4,	29.5,	33,	0.0968	,14:44:50	,19-Sep-2008
481,	12.4,	29.6,	33,	0.0779	,14:45:50	,19-Sep-2008
482,	12.2,	29.6,	32,	0.0780	,14:46:50	,19-Sep-2008
483,	12.5,	29.6,	32,	0.0700	,14:47:50	,19-Sep-2008
484,	13.8,	29.6,	32,	0.0845	,14:48:50	,19-Sep-2008
485,	12.9,	29.6,	32,	0.0857	,14:49:50	,19-Sep-2008
486,	14.5,	29.7,	32,	0.0895	,14:50:50	,19-Sep-2008
487,	24.7,	29.7,	32,	0.1391	,14:51:50	,19-Sep-2008
488,	18.8,	29.7,	31,	0.1648	,14:52:50	,19-Sep-2008
489,	17.4,	29.8,	31,	0.1281	,14:53:50	,19-Sep-2008
490,	21.5,	29.8,	31,	0.1010	,14:54:50	,19-Sep-2008
491,	115.0,	29.9,	31,	0.2739	,14:55:50	,19-Sep-2008
492,	67.3,	29.9,	31,	0.3787	,14:56:50	,19-Sep-2008
493,	49.6,	30.0,	31,	0.3057	,14:57:50	,19-Sep-2008
494,	89.3,	30.0,	31,	0.3657	,14:58:50	,19-Sep-2008
495,	55.3,	30.1,	31,	0.3217	,14:59:50	,19-Sep-2008
496,	45.4,	30.1,	31,	0.3121	,15:00:50	,19-Sep-2008
497,	42.8,	30.2,	30,	0.2406	,15:01:50	,19-Sep-2008
498,	22.5,	30.2,	30,	0.1987	,15:02:50	,19-Sep-2008
499,	30.6,	30.2,	30,	0.2301	,15:03:50	,19-Sep-2008
500,	20.7,	30.3,	30,	0.1728	,15:04:50	,19-Sep-2008
501,	15.8,	30.4,	30,	0.1349	,15:05:50	,19-Sep-2008
502,	13.7,	30.4,	30,	0.0867	,15:06:50	,19-Sep-2008
503,	15.4,	30.4,	30,	0.1018	,15:07:50	,19-Sep-2008
504,	14.9,	30.4,	29,	0.1272	,15:08:50	,19-Sep-2008
505,	16.0,	30.5,	29,	0.1183	,15:09:50	,19-Sep-2008
506,	14.6,	30.5,	29,	0.1011	,15:10:50	,19-Sep-2008
507,	13.3,	30.6,	29,	0.0754	,15:11:50	,19-Sep-2008
508,	14.4,	30.6,	29,	0.0871	,15:12:50	,19-Sep-2008
509,	15.0,	30.6,	29,	0.0867	,15:13:50	,19-Sep-2008
510,	26.6,	30.6,	29,	0.1435	,15:14:50	,19-Sep-2008
511,	46.4,	30.6,	29,	0.2524	,15:15:50	,19-Sep-2008
512,	34.1,	30.7,	29,	0.2686	,15:16:50	,19-Sep-2008
513,	27.7,	30.7,	29,	0.2521	,15:17:50	,19-Sep-2008
514,	20.9,	30.8,	29,	0.1303	,15:18:50	,19-Sep-2008
515,	20.4,	30.9,	29,	0.1808	,15:19:50	,19-Sep-2008
516,	14.6,	30.9,	29,	0.1102	,15:20:50	,19-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** Skip Simpson

DAY OF WEEK & DATE: Fri., Sept 19, 2008 **REPORT NO.** 33

WEATHER Sunny **TEMPERATURE** 60L 83H

NUMBER/CLASS OF CONTRACTOR'S PERSONNEL:

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

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

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

CHRONOLOGICAL ACCOUNT OF DAY'S WORK:

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

(07:00) Contractor's safety meeting

Crew continues to secure demarcation fence on top of subgrade, from toe of slope to top of bank from approx. sta 7+75 to sta 3+50.
Contractor having several loads of armor rock delivered to site.
Designated trucks also being loaded with common excavated material recently excavated between sta. 3+30 to 5+75 that according to Environcon they have no more areas needing extra material and cannot be used as fill and therefore was hauled off to Wasco county Landfill.
Additional common excavated material was also generated from CC:5. According to Ashcreek proj eng. (Herb) the CC:5 overburden (approx 50T) is a cost item and is separate from material removed from other work areas. Other work areas where common excavation material is also removed is part of the original contract and is a lump sum bid item.

CC:5
PC200 continues placing select fill followed by armor rock on slope of bank.
JD 544 loading HM30 with select fill and armor rock and hauling/dumping material at transition area after crew has secured demarcation fence top of subgrade.

Dust abatement, by applying water, is applied all day long by water truck, during 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** Skip Simpson

DAY OF WEEK & DATE: Fri., Sept 19, 2008 **REPORT NO.** 33

WEATHER Sunny **TEMPERATURE** 60L 83H

INSPECTOR Philipp G. Bales HRS DATE 9-19-8
(signature on hardcopy)

ATTACHMENT C

DAILY CONSTRUCTION MONITORING REPORTS FOR THE TRANSLOADING FACILITY

ANCHOR ENVIRONMENTAL, L.L.C.

Daily Construction Report Number:

Anchor Personnel On Site: 13:50 to 14:20

Project Number: 050332-01 Day: Wednesday Date: 9/17/08

Weather : Sunny : 86 °F

Contractor: Hickey Marine Enterprises (HME) Sub: West Coast Marine Cleaning

Contractors Rep and Title: Dave Godel, Health and Safety Supervisor, HME

Project Pictures? x Yes ☐ No Subject: Decontamination Documentation

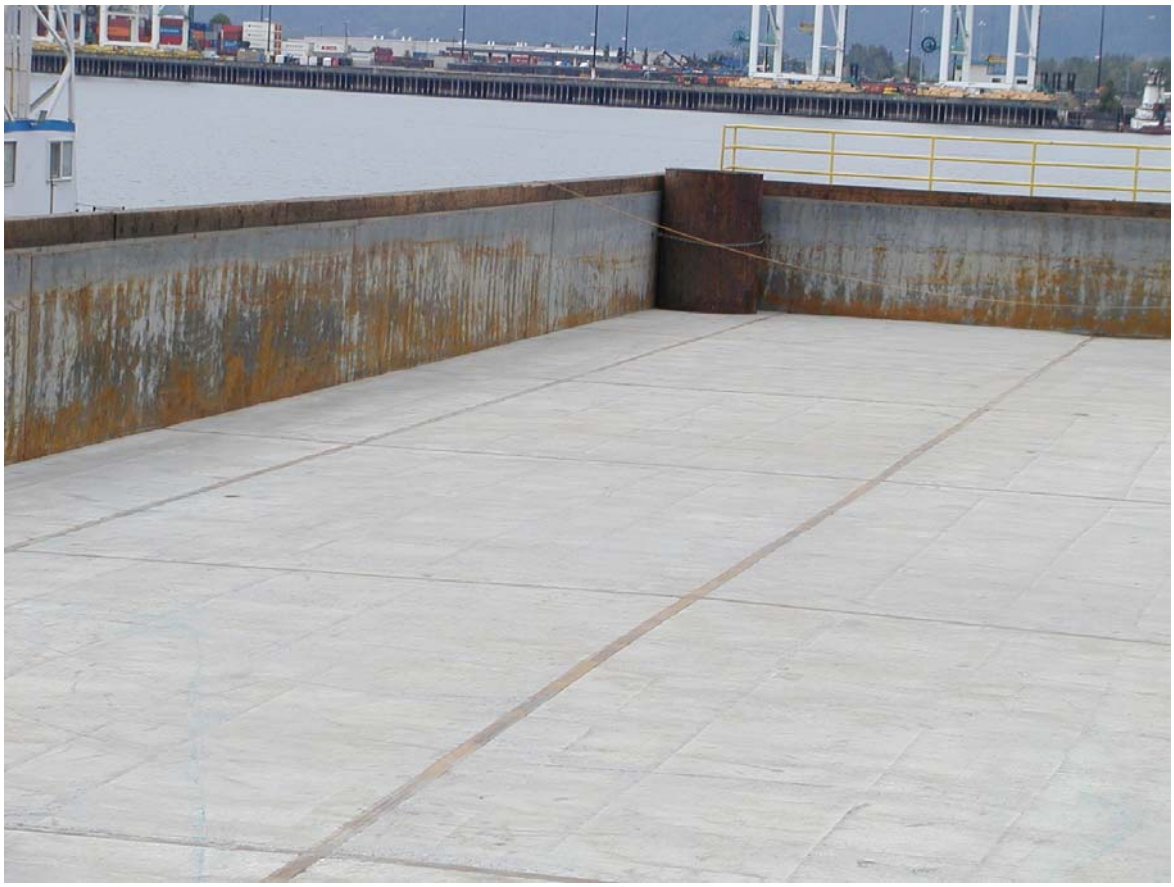
Personnel:: Anchor: Ben Hung; HME: Dave Godel

West Coast Marine Cleaning: Kevin Stumper

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

13:50 Arrived at Hickey Marine Enterprises (HME) to verify decontamination of Reedsport barge meets project specifications. Dave Godel indicated that HME conducted preliminary decontamination using street sweeper. Final decontamination was performed by West Coast Marine Cleaning using two Karcher, 5000 psi pressure washers with roto-tip nozzles. Power washing was completed at 13:40, before the inspection began.

14:00 Boarded Reedsport barge. Observed that it was free of all observable standing water, sediment, and dust following completion of the decontamination. Photographic documentation of the decontaminated barge are provided below.



Ben Hung	John Verduin
Monitoring Personnel	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: 09/15/2008
Construction Activity: S3B Capping
Construction Activity Times: Capping occurred from 06:45 to 14:35
Monitoring Times: Background Parameters taken at 08:05; Compliance Parameters taken from 08:30 to 15:00
Rounds of Sampling for Day: 3

Triggers:

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

Round 1

*** 90th Percentile Turbidity for 9/15/08 = 10.20 NTU**
*** Background Station 1 = 4.6 NTU**
*** 90th Percentile value of 10.20 NTU used to calculate trigger for sampling in Round 1 since it is higher than Background Station value.**
10.20 NTU + 5.0 NTU = 15.20 NTU Turbidity Trigger

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

Station ID: BG-01R Background Station Field Parameters taken at: 08:05

Water Depth (ft)		Parameters			
Depth to Bottom	68.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.82	19.14	3.8	7.23
Depth 2	34.0	8.91	19.14	4.0	7.31
Depth 3	65.0	8.68	19.14	4.6	7.32

Station ID: S3B-E Early Warning Station for All Field Parameters taken at: 08:30

Water Depth (ft)		Parameters			
Depth to Bottom	38.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.86	19.19	3.2	7.26
Depth 2	19.0	8.68	19.21	3.2	7.26
Depth 3	35.0	8.62	19.21	7.0	7.29

Station ID: S3B-S South Station for All Field Parameters taken at: 08:35

Water Depth (ft)		Parameters			
Depth to Bottom	41.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.96	19.22	2.6	7.29
Depth 2	20.0	8.72	19.23	2.2	7.25
Depth 3	38.0	8.58	19.21	2.3	7.25

Station ID: S3B-M Middle Station for All Field Parameters taken at: 08:40

Water Depth (ft)		Parameters			
Depth to Bottom	38.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.90	19.22	5.1	7.30
Depth 2	19.0	8.73	19.22	12.5	7.27
Depth 3	35.0	8.58	19.22	17.5	7.30

Station ID: S3B-N North Station for All Field Parameters taken at: 08:45

Water Depth (ft)		Parameters			
Depth to Bottom	51.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.95	19.24	3.3	7.30
Depth 2	25.0	8.73	19.22	3.7	7.27
Depth 3	48.0	8.44	19.14	7.0	7.20

Station ID: S3M-E Early Warning Compliance Station for All Field Parameters taken at: 09:25					
Water Depth (ft)		Parameters			
Depth to Bottom	55.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	9.03	19.21	3.0	7.32
Depth 2	27.0	8.83	19.15	2.3	7.32
Depth 3	52.0	8.70	19.15	2.2	7.33

Station ID: S3M-M Middle Compliance Station for All Field Parameters taken at: 09:30					
Water Depth (ft)		Parameters			
Depth to Bottom	57.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	9.03	19.23	7.5	7.34
Depth 2	28.0	8.88	19.15	5.9	7.30
Depth 3	54.0	8.68	19.15	4.0	7.32

Station ID: S3M-S South Compliance Station for All Field Parameters taken at: 09:35					
Water Depth (ft)		Parameters			
Depth to Bottom	55.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.91	19.21	3.5	7.34
Depth 2	27.0	8.87	19.14	3.6	7.30
Depth 3	52.0	8.70	19.14	3.9	7.31

Station ID: S3M-N North Compliance Station for All Field Parameters taken at: 09:40					
Water Depth (ft)		Parameters			
Depth to Bottom	32.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.96	19.20	3.9	7.34
Depth 2	16.0	8.86	19.17	3.9	7.29
Depth 3	29.0	8.72	19.16	5.4	7.31

Round 2

Station ID: S3B-E Early Warning Station for All Field Parameters taken at: 10:00					
Water Depth (ft)		Parameters			
Depth to Bottom	40.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	9.08	19.27	1.9	7.35
Depth 2	20.0	8.80	19.23	2.9	7.29
Depth 3	37.0	8.59	19.22	23.4	7.30

Station ID: S3B-S South Station for All Field Parameters taken at: 10:05					
Water Depth (ft)		Parameters			
Depth to Bottom	41.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.83	19.25	5.1	7.30
Depth 2	20.0	8.67	19.23	5.3	7.30
Depth 3	38.0	8.54	19.23	10.0	7.32

Station ID: S3B-M Middle Station for All Field Parameters taken at: 10:10					
Water Depth (ft)		Parameters			
Depth to Bottom	40.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	9.08	19.29	4.7	7.35
Depth 2	20.0	8.78	19.21	6.0	7.30
Depth 3	37.0	8.52	19.22	23.4	7.31

Station ID: S3B-N North Station for All Field Parameters taken at: 10:20					
Water Depth (ft)		Parameters			
Depth to Bottom	46.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.96	19.35	3.2	7.34
Depth 2	23.0	8.84	19.24	10.4	7.29
Depth 3	43.0	8.60	19.23	17.9	7.29

Station ID: S3M-E Early Warning Compliance Station for All Field Parameters taken at: 10:25					
Water Depth (ft)		Parameters			
Depth to Bottom	55.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.88	19.27	3.2	7.29
Depth 2	27.0	8.86	19.15	3.4	7.30
Depth 3	52.0	8.73	19.13	5.2	7.32
Station ID: S3M-M Middle Compliance Station for All Field Parameters taken at: 10:30					
Water Depth (ft)		Parameters			
Depth to Bottom	58.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	9.22	19.33	2.7	7.38
Depth 2	29.0	8.95	19.15	3.9	7.32
Depth 3	55.0	8.74	19.14	4.8	7.32
Station ID: S3M-S South Compliance Station for All Field Parameters taken at: 10:35					
Water Depth (ft)		Parameters			
Depth to Bottom	55.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	9.27	19.28	4.0	7.41
Depth 2	27.0	8.86	19.15	4.8	7.32
Depth 3	52.0	8.71	19.13	5.1	7.32
Station ID: S3M-N North Compliance Station for All Field Parameters taken at: 10:40					
Water Depth (ft)		Parameters			
Depth to Bottom	32.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	9.25	19.20	4.9	7.40
Depth 2	16.0	8.91	19.16	4.7	7.31
Depth 3	29.0	8.80	19.15	5.8	7.32
Round 3					
Station ID: S3B-E Early Warning Station for All Field Parameters taken at: 14:10					
Water Depth (ft)		Parameters			
Depth to Bottom	37.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.84	19.90	7.1	7.36
Depth 2	18.0	8.63	19.34	8.9	7.28
Depth 3	34.0	8.56	19.31	28.6	7.29
Station ID: S3B-S South Station for All Field Parameters taken at: 14:20					
Water Depth (ft)		Parameters			
Depth to Bottom	41.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	9.02	19.79	4.6	7.40
Depth 2	20.0	8.63	19.32	10.5	7.28
Depth 3	38.0	8.54	19.33	11.4	7.30
Station ID: S3B-M Middle Station for All Field Parameters taken at: 14:30					
Water Depth (ft)		Parameters			
Depth to Bottom	37.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	9.06	19.74	6.3	7.40
Depth 2	18.0	8.69	19.36	10.7	7.29
Depth 3	34.0	8.57	19.33	27.7	7.29
Station ID: S3B-N North Station for All Field Parameters taken at: 14:40					
Water Depth (ft)		Parameters			
Depth to Bottom	50.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.95	19.65	8.6	7.35
Depth 2	25.0	8.65	19.30	9.2	7.28
Depth 3	47.0	8.49	19.30	12.8	7.28

Station ID: S3M-E Early Warning Compliance Station for All Field Parameters taken at: 14:45					
Water Depth (ft)		Parameters			
Depth to Bottom	57.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	9.25	19.54	3.5	7.46
Depth 2	28.0	8.80	19.20	4.4	7.31
Depth 3	54.0	8.65	19.18	5.3	7.30
Station ID: S3M-M Middle Compliance Station for All Field Parameters taken at: 14:50					
Water Depth (ft)		Parameters			
Depth to Bottom	56.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	9.25	20.03	2.9	7.42
Depth 2	28.0	8.79	19.16	4.5	7.31
Depth 3	53.0	8.64	19.16	4.7	7.29
Station ID: S3M-S South Compliance Station for All Field Parameters taken at: 14:55					
Water Depth (ft)		Parameters			
Depth to Bottom	54.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	9.34	19.78	3.7	7.50
Depth 2	27.0	8.82	19.19	4.7	7.31
Depth 3	51.0	8.61	19.16	6.1	7.29
Station ID: S3M-N North Compliance Station for All Field Parameters taken at: 15:00					
Water Depth (ft)		Parameters			
Depth to Bottom	31.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	9.27	19.67	3.7	7.46
Depth 2	15.0	9.02	19.44	3.9	7.33
Depth 3	28.0	8.76	19.21	5.5	7.29

Daily Reporting Template for Laboratory Parameters

Date:	09/18/08
Time:	12:45:00 PM
On-Time Result or Update:	On Time
Construction Activity:	**Capping at the Head of Slip 3**
Round of Sampling for Day (eg., 1st of 3 events):	**1st of 3 events**
Additional Comments:	**Samples collected on 9/15/08**
No exceedances detected	

Apex # A809135

					Sample I.D.:					
							BG 01R C WS 080915 (Time collected: 8:10)	T4 S3B M A WS 080915 (Time collected: 8:55)	T4 S3B M B WS 080915 (Time collected: 9:00)	T4 S3B M C WS 080915 (Time collected: 9:05)
					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	6.00	11.4	33.2
Metals[6]										
Cadmium	µg/L	0.5	0.09	TBD			ND>0.200	ND>0.200	ND>0.200	ND>0.200
Lead	µg/L	14	0.54	TBD			ND>1	ND>1	ND>1	ND>1
Zinc	µg/L	36	36	TBD			9.42	11.8	8.89	9.54
Polycyclic Aromatic Hydrocarbons (PAHs)										
Naphthalene	µg/L	807	194	TBD			ND>0.0393	ND>0.0385	ND>0.0386	ND>0.0377
Acenaphthylene	µg/L	1277	307	TBD			ND>0.0393	ND>0.0385	ND>0.0386	ND>0.0377
Acenaphthene	µg/L	233	56	TBD			ND>0.0393	ND>0.0385	ND>0.0386	ND>0.0377
Fluorene	µg/L	162	39	TBD			ND>0.0393	ND>0.0385	ND>0.0386	ND>0.0377
Phenanthrene	µg/L	79	19	TBD			ND>0.0393	ND>0.0385	ND>0.0386	ND>0.0377
Anthracene	µg/L	87	21	TBD			ND>0.0393	ND>0.0385	ND>0.0386	ND>0.0377
Fluoranthene	µg/L	30	7.1	TBD			ND>0.0393	ND>0.0385	ND>0.0386	ND>0.0377
Pyrene	µg/L	42	10	TBD			ND>0.0393	ND>0.0385	ND>0.0386	ND>0.0377
Benz(a)anthracene	µg/L	9.2	2.2	TBD			ND>0.0393	ND>0.0385	ND>0.0386	ND>0.0377
Chrysene	µg/L	8.3	2.0	TBD			ND>0.0393	ND>0.0385	ND>0.0386	ND>0.0377
Benzo(b)fluoranthene	µg/L	2.8	0.68	TBD			ND>0.0393	ND>0.0385	ND>0.0386	ND>0.0377
Benzo(k)fluoranthene	µg/L	2.7	0.64	TBD			ND>0.0393	ND>0.0385	ND>0.0386	ND>0.0377
Benzo(a)pyrene	µg/L	4.0	0.96	TBD			ND>0.0393	ND>0.0385	ND>0.0386	ND>0.0377
Indeno(1,2,3-cd)pyrene	µg/L	1.2	0.28	TBD			ND>0.0393	ND>0.0385	ND>0.0386	ND>0.0377
Dibenzo(a,h)anthracene	µg/L	1.2	0.28	TBD			ND>0.0393	ND>0.0385	ND>0.0386	ND>0.0377
Benzo(g,h,i)perylene	µg/L	1.8	0.44	TBD			ND>0.0393	ND>0.0385	ND>0.0386	ND>0.0377

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: 09/16/2008
Construction Activity: S3B Capping
Construction Activity Times: Capping activity occurred from 07:42 to 15:31
Monitoring Times: Background Parameters taken at 07:55 and 13:55; Compliance Parameters taken from 08:15 to 15:35
Rounds of Sampling for Day: 2

Triggers:

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

Round 1

*** 90th Percentile Turbidity for 9/16/08 = 10.17 NTU**
*** Background Station 1 = 5.8 NTU**
*** 90th Percentile value of 10.17 NTU used to calculate trigger for sampling in Round 1 since it is higher than Background Station value.**
10.17 NTU + 5.0 NTU = 15.17 NTU Turbidity Trigger

Water Velocity (fps)	**0.0ft/s @ 00 ft**				
Station ID: BG-01R Background Station Field Parameters taken at: 07:55					
Water Depth (ft)		Parameters			
Depth to Bottom	66.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.73	19.23	2.8	7.22
Depth 2	33.0	8.69	19.26	2.7	7.27
Depth 3	63.0	8.56	19.26	5.8	7.29
Station ID: S3B-E Early Warning Station for All Field Parameters taken at: 08:15					
Water Depth (ft)		Parameters			
Depth to Bottom	51.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.65	19.28	3.6	7.27
Depth 2	25.0	8.53	19.29	14.2	7.28
Depth 3	48.0	8.43	19.30	17.5	7.30
Station ID: S3B-S South Station for All Field Parameters taken at: 08:30					
Water Depth (ft)		Parameters			
Depth to Bottom	40.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.76	19.24	3.5	7.31
Depth 2	20.0	8.60	19.28	3.7	7.26
Depth 3	37.0	8.43	19.28	13.5	7.28
Station ID: S3B-M Middle Station for All Field Parameters taken at: 08:35					
Water Depth (ft)		Parameters			
Depth to Bottom	45.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.61	19.28	4.6	7.31
Depth 2	22.0	8.56	19.29	5.1	7.27
Depth 3	43.0	8.47	19.30	13.5	7.29
Station ID: S3B-N North Station for All Field Parameters taken at: 08:40					
Water Depth (ft)		Parameters			
Depth to Bottom	44.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.80	19.33	6.2	7.29
Depth 2	22.0	8.44	19.29	11.0	7.28
Depth 3	41.0	8.40	19.31	19.2	7.32
Station ID: S3M-E Early Warning Station for All Field Parameters taken at: 08:50					
Water Depth (ft)		Parameters			
Depth to Bottom	59.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.76	19.27	3.9	7.31
Depth 2	30.0	8.66	19.26	5.1	7.29
Depth 3	56.0	8.55	19.27	6.4	7.30

Station ID: S3M-M Middle Station for All Field Parameters taken at: 08:55					
Water Depth (ft)		Parameters			
Depth to Bottom	58.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.88	19.27	4.4	7.32
Depth 2	29.0	8.86	19.26	4.7	7.29
Depth 3	55.0	8.54	19.26	5.9	7.30
Station ID: S3M-S South Station for All Field Parameters taken at: 09:00					
Water Depth (ft)		Parameters			
Depth to Bottom	58.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.89	19.25	4.7	7.37
Depth 2	29.0	8.71	19.26	5.3	7.30
Depth 3	55.0	8.48	19.27	7.7	7.31
Station ID: S3M-N North Station for All Field Parameters taken at: 09:05					
Water Depth (ft)		Parameters			
Depth to Bottom	33.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.96	19.28	4.4	7.35
Depth 2	16.0	8.70	19.27	5.0	7.30
Depth 3	30.0	8.61	19.27	5.7	7.29
Round 2					
Station ID: BG-01R Background Station Field Parameters taken at: 13:55					
Water Depth (ft)		Parameters			
Depth to Bottom	70.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	9.10	19.47	3.5	7.29
Depth 2	35.0	8.92	19.27	3.7	7.23
Depth 3	67.0	8.64	19.23	5.4	7.25
Station ID: S3B-E Early Warning Station for All Field Parameters taken at: 15:15					
Water Depth (ft)		Parameters			
Depth to Bottom	32.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.88	19.78	9.2	7.22
Depth 2	16.0	8.79	19.49	15.1	7.15
Depth 3	29.0	8.55	19.45	25.0	7.16
Station ID: S3B-S South Station for All Field Parameters taken at: 15:25					
Water Depth (ft)		Parameters			
Depth to Bottom	38.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	9.26	19.88	5.9	7.51
Depth 2	19.0	9.27	19.42	6.3	7.20
Depth 3	35.0	8.58	19.35	7.3	7.16
Station ID: S3B-M Middle Station for All Field Parameters taken at: 15:30					
Water Depth (ft)		Parameters			
Depth to Bottom	38.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	9.34	19.89	6.6	7.78
Depth 2	19.0	9.13	19.41	6.5	7.20
Depth 3	35.0	8.58	19.36	8.1	7.19
Station ID: S3B-N North Station for All Field Parameters taken at: 15:35					
Water Depth (ft)		Parameters			
Depth to Bottom	49.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	9.80	19.98	4.9	7.37
Depth 2	25.0	9.13	19.37	9.5	7.20
Depth 3	46.0	8.49	19.33	10.2	7.20

Daily Reporting Template for Laboratory Parameters

Date: 09/19/08
Time: 16:50 PM
On-Time Result or Update: On Time
Construction Activity: **Capping at the Head of Slip 3**
Round of Sampling for Day (eg., 1st of 3 events): **3rd of 3 events**
Additional Comments: **Collected on 9/16/08**
No exceedances detected

Apex # A809159

Sample I.D.:

Parameter	Units	Acute Criterion	Chronic Criterion	Highest Background*	Background Location			Construction Location		
					Top	Middle	Bottom	Top	Middle	Bottom
							T4 BG 01R C WS 080916 (Time collected: 7:55)	T4 S3B N A WS 080916 (Time collected: 15:40)	T4 S3B N B WS 080916 (Time collected: 15:50)	T4 S3B N C WS 080916 (Time collected: 16:00)
Conventional Parameters										
Total Suspended Solids (TSS)	mg/L	--	--	TBD			14.8	4.60	9.4	13.2
Metals[6]										
Cadmium	µg/L	0.5	0.09	TBD			ND>0.200	ND>0.200	ND>0.200	ND>0.200
Lead	µg/L	14	0.54	TBD			ND>1	ND>1	ND>1	ND>1
Zinc	µg/L	36	36	TBD			8.06	6.11	5.44	5.36
Polycyclic Aromatic Hydrocarbons (PAHs)										
Naphthalene	µg/L	807	194	TBD			ND>0.0374	ND>0.0377	ND>0.0385	ND>0.0374
Acenaphthylene	µg/L	1277	307	TBD			ND>0.0374	ND>0.0377	ND>0.0385	ND>0.0374
Acenaphthene	µg/L	233	56	TBD			ND>0.0374	ND>0.0377	ND>0.0385	ND>0.0374
Fluorene	µg/L	162	39	TBD			ND>0.0374	ND>0.0377	ND>0.0385	ND>0.0374
Phenanthrene	µg/L	79	19	TBD			ND>0.0374	ND>0.0377	ND>0.0385	ND>0.0374
Anthracene	µg/L	87	21	TBD			ND>0.0374	ND>0.0377	ND>0.0385	ND>0.0374
Fluoranthene	µg/L	30	7.1	TBD			ND>0.0374	ND>0.0377	ND>0.0385	ND>0.0374
Pyrene	µg/L	42	10	TBD			ND>0.0374	ND>0.0377	ND>0.0385	ND>0.0374
Benz(a)anthracene	µg/L	9.2	2.2	TBD			ND>0.0374	ND>0.0377	ND>0.0385	ND>0.0374
Chrysene	µg/L	8.3	2.0	TBD			ND>0.0374	ND>0.0377	ND>0.0385	ND>0.0374
Benzo(b)fluoranthene	µg/L	2.8	0.68	TBD			ND>0.0374	ND>0.0377	ND>0.0385	ND>0.0374
Benzo(k)fluoranthene	µg/L	2.7	0.64	TBD			ND>0.0374	ND>0.0377	ND>0.0385	ND>0.0374
Benzo(a)pyrene	µg/L	4.0	0.96	TBD			ND>0.0374	ND>0.0377	ND>0.0385	ND>0.0374
Indeno(1,2,3-cd)pyrene	µg/L	1.2	0.28	TBD			ND>0.0374	ND>0.0377	ND>0.0385	ND>0.0374
Dibenzo(a,h)anthracene	µg/L	1.2	0.28	TBD			ND>0.0374	ND>0.0377	ND>0.0385	ND>0.0374
Benzo(g,h,i)perylene	µg/L	1.8	0.44	TBD			ND>0.0374	ND>0.0377	ND>0.0385	ND>0.0374

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: 09/16/2008
Activity: Dead Fish Event
Monitoring Times: Field Parameters taken at 13:26

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

Station ID: Dead Fish Field Parameters taken at: 13:26

Water Depth (ft)		Parameters			
Depth to Bottom	20.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.81	19.92	6.7	7.25
Depth 2	10.0	8.65	19.68	11.8	7.18
Depth 3	17.0	8.60	19.52	16.1	7.17

Daily Reporting Template for Laboratory Parameters

Date:	09/20/08
Time:	10:03:00 AM
On-Time Result or Update:	On Time
Construction Activity:	**Capping at the Head of Slip 3**
Round of Sampling for Day (eg., 1st of 3 events):	**Dead Fish event**
Additional Comments:	**Collected on 9/16/08**
No exceedances detected	

Apex # A809158

Sample I.D.:

Parameter	Units	Acute Criterion	Chronic Criterion	Highest Background*	Background Location			Construction Location		
					Top	Middle	Bottom	Top	Middle	Bottom
								T4 DF A WS 080916 (Time collected: 15:10)		
Conventional Parameters										
Dissolved Oxygen	mg/L	--	--	TBD				8.80		
Total Sulfides	mg/L	--	--	TBD				ND>0.05		

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: 09/17/2008
Construction Activity: S3B Capping
Construction Activity Times: Capping activity occurred from 08:00 to 17:15
Monitoring Times: Background Parameters taken at 09:30 and 13:55; Compliance Parameters taken from 10:00 to 16:45
Rounds of Sampling for Day: 4

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 9/17/08 = 10.11 NTU**
*** Background Station 1 = 4.7 NTU**
*** 90th Percentile value of 10.11 NTU used to calculate trigger for sampling in Round 1 since it is higher than Background Station value.**
10.11 NTU + 5.0 NTU = 15.11 NTU Turbidity Trigger

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

Station ID: BG-01R Background Station Field Parameters taken at: 09:30

Water Depth (ft)		Parameters			
Depth to Bottom	70.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	9.17	19.22	2.8	7.49
Depth 2	35.0	8.61	19.14	3.8	7.31
Depth 3	67.0	8.51	19.13	4.7	7.32

Station ID: S3B-E Early Warning Station for All Field Parameters taken at: 10:00

Water Depth (ft)		Parameters			
Depth to Bottom	40.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.82	19.37	4.8	7.33
Depth 2	20.0	8.52	19.33	6.5	7.27
Depth 3	37.0	8.35	19.34	38.1	7.28

Station ID: S3B-S South Station for All Field Parameters taken at: 10:10

Water Depth (ft)		Parameters			
Depth to Bottom	38.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.62	19.41	4.9	7.64
Depth 2	19.0	8.56	19.35	6.1	7.26
Depth 3	35.0	8.36	19.34	7.7	7.26

Station ID: S3B-M Middle Station for All Field Parameters taken at: 10:15

Water Depth (ft)		Parameters			
Depth to Bottom	40.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.62	19.38	7.1	7.30
Depth 2	20.0	8.54	19.34	6.6	7.26
Depth 3	37.0	8.39	19.34	14.5	7.28

Station ID: S3B-N North Station for All Field Parameters taken at: 10:20

Water Depth (ft)		Parameters			
Depth to Bottom	45.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.83	19.38	8.8	7.31
Depth 2	22.0	8.49	19.34	7.8	7.26
Depth 3	42.0	8.31	19.35	8.2	7.27

Round 2					
Station ID: S3B-E Early Warning Station for All Field Parameters taken at: 10:30					
Water Depth (ft)		Parameters			
Depth to Bottom	38.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.59	19.46	6.6	7.30
Depth 2	19.0	8.56	19.36	6.2	7.26
Depth 3	35.0	8.33	19.35	7.5	7.28
Station ID: S3B-S South Station for All Field Parameters taken at: 10:35					
Water Depth (ft)		Parameters			
Depth to Bottom	40.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.74	19.42	5.4	7.32
Depth 2	20.0	8.43	19.35	5.9	7.24
Depth 3	37.0	8.30	19.34	7.8	7.23
Station ID: S3B-M Middle Station for All Field Parameters taken at: 10:40					
Water Depth (ft)		Parameters			
Depth to Bottom	40.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.79	19.38	7.5	7.34
Depth 2	20.0	8.55	19.35	7.2	7.28
Depth 3	37.0	8.42	19.34	13.1	7.28
Station ID: S3B-N North Station for All Field Parameters taken at: 10:45					
Water Depth (ft)		Parameters			
Depth to Bottom	46.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.51	19.38	8.4	7.30
Depth 2	23.0	8.43	19.36	8.8	7.25
Depth 3	43.0	8.28	19.35	14.0	7.28
Round 3					
Station ID: S3B-E Early Warning Station for All Field Parameters taken at: 12:00					
Water Depth (ft)		Parameters			
Depth to Bottom	37.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.94	19.64	4.9	7.42
Depth 2	19.0	8.47	19.39	4.9	7.20
Depth 3	34.0	8.39	19.36	5.3	7.25
Station ID: S3B-S South Station for All Field Parameters taken at: 12:05					
Water Depth (ft)		Parameters			
Depth to Bottom	39.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.93	19.45	6.3	7.36
Depth 2	18.0	8.63	19.37	5.9	7.24
Depth 3	36.0	8.22	19.34	6.7	7.23
Station ID: S3B-M Middle Station for All Field Parameters taken at: 12:07					
Water Depth (ft)		Parameters			
Depth to Bottom	40.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.72	19.64	5.9	7.33
Depth 2	20.0	8.71	19.35	6.1	7.26
Depth 3	37.0	8.48	19.36	14.6	7.28
Station ID: S3B-N North Station for All Field Parameters taken at: 12:15					
Water Depth (ft)		Parameters			
Depth to Bottom	51.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.91	19.52	7.1	7.35
Depth 2	25.0	8.61	19.36	12.3	7.26
Depth 3	48.0	8.36	19.36	29.0	7.28

Station ID: S3M-E Early Warning Station for All Field Parameters taken at: 13:40					
Water Depth (ft)		Parameters			
Depth to Bottom	62.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	9.07	19.73	3.21	7.78
Depth 2	31.0	8.25	19.71	3.92	7.57
Depth 3	59.0	8.21	19.56	5.69	7.54
Station ID: S3M-M Middle Station for All Field Parameters taken at: 14:05					
Water Depth (ft)		Parameters			
Depth to Bottom	57.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.74	19.72	4.40	7.77
Depth 2	28.0	8.46	19.74	3.74	7.70
Depth 3	54.0	8.28	19.52	6.87	7.57
Station ID: S3M-S South Station for All Field Parameters taken at: 14:25					
Water Depth (ft)		Parameters			
Depth to Bottom	57.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	9.55	20.14	3.39	7.87
Depth 2	28.0	8.79	19.69	4.03	7.55
Depth 3	54.0	8.19	19.48	6.86	7.50
Station ID: S3M-N North Station for All Field Parameters taken at: 14:40					
Water Depth (ft)		Parameters			
Depth to Bottom	33.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.81	20.32	3.55	7.54
Depth 2	16.0	8.24	19.67	3.64	7.58
Depth 3	30.0	8.13	19.58	4.71	7.57
Round 4					
Station ID: S3B-E Early Warning Station for All Field Parameters taken at: 15:00					
Water Depth (ft)		Parameters			
Depth to Bottom	38.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.86	20.33	7.22	7.51
Depth 2	19.0	8.25	19.99	12.6	7.62
Depth 3	35.0	8.41	19.82	23.6	7.65
Station ID: S3B-S South 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	8.15	19.94	6.68	7.66
Depth 2	20.0	8.20	19.76	22.4	7.60
Depth 3	37.0	7.55	19.68	11.7	7.39
Station ID: S3B-M Middle Station for All Field Parameters taken at: 15:25					
Water Depth (ft)		Parameters			
Depth to Bottom	40.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.33	20.53	5.33	7.31
Depth 2	20.0	8.68	19.76	21.2	7.59
Depth 3	37.0	8.90	19.69	9.81	7.46
Station ID: S3B-N North Station for All Field Parameters taken at: 15:45					
Water Depth (ft)		Parameters			
Depth to Bottom	44.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.30	20.29	5.16	7.68
Depth 2	22.0	8.62	19.77	7.35	7.73
Depth 3	41.0	8.27	19.58	9.04	7.62

Station ID: S3M-E Early Warning Station for All Field Parameters taken at: 16:00					
Water Depth (ft)		Parameters			
Depth to Bottom	58.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.14	20.39	9.04	7.78
Depth 2	29.0	8.55	19.65	4.30	7.61
Depth 3	55.0	8.29	19.51	7.05	7.56
Station ID: S3M-M Middle Station for All Field Parameters taken at: 16:15					
Water Depth (ft)		Parameters			
Depth to Bottom	58.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.40	20.33	3.11	7.81
Depth 2	19.0	8.16	19.47	4.61	7.59
Depth 3	55.0	8.34	19.43	5.76	7.60
Station ID: S3M-S South Station for All Field Parameters taken at: 16:30					
Water Depth (ft)		Parameters			
Depth to Bottom	58.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.56	20.24	3.25	7.59
Depth 2	29.0	8.59	19.73	3.66	7.68
Depth 3	55.0	8.22	19.39	6.51	7.65
Station ID: S3M-N North Station for All Field Parameters taken at: 16:45					
Water Depth (ft)		Parameters			
Depth to Bottom	32.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.86	20.49	3.58	7.57
Depth 2	16.0	8.64	19.59	4.20	7.42
Depth 3	29.0	8.14	19.40	7.37	7.50

Daily Reporting Template for Laboratory Parameters

Date: 09/19/08
Time: 17:00:00 PM
On-Time Result or Update: On Time
Construction Activity: **Capping at the Head of Slip 3**
Round of Sampling for Day (eg., 1st of 3 events):
Additional Comments: **Samples collected on 9/17/08**
No exceedances detected

Apex # A809170

					Sample I.D.:					
							T4 BG 01 C WS 080917 (Time collected: 9:40)	T4 S3B N A WS 080917 (Time collected: 10:50)	T4 S3B N B WS 080917 (Time collected: 10:55)	T4 S3B N C WS 080917 (Time collected: 11:00)
					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			9.4	7.60	9.8	21.4
Metals[6]										
Cadmium	µg/L	0.5	0.09	TBD			ND>0.200	ND>0.200	ND>0.200	ND>0.200
Lead	µg/L	14	0.54	TBD			ND>1	ND>1	ND>1	ND>1
Zinc	µg/L	36	36	TBD			6.77	7.66	8.38	6.93
Polycyclic Aromatic Hydrocarbons (PAHs)										
Naphthalene	µg/L	807	194	TBD			ND>0.0381	ND>0.0381	ND>0.0381	ND>0.0381
Acenaphthylene	µg/L	1277	307	TBD			ND>0.0381	ND>0.0381	ND>0.0381	ND>0.0381
Acenaphthene	µg/L	233	56	TBD			ND>0.0381	ND>0.0381	ND>0.0381	ND>0.0381
Fluorene	µg/L	162	39	TBD			ND>0.0381	ND>0.0381	ND>0.0381	ND>0.0381
Phenanthrene	µg/L	79	19	TBD			ND>0.0381	ND>0.0381	ND>0.0381	ND>0.0381
Anthracene	µg/L	87	21	TBD			ND>0.0381	ND>0.0381	ND>0.0381	ND>0.0381
Fluoranthene	µg/L	30	7.1	TBD			ND>0.0381	ND>0.0381	ND>0.0381	ND>0.0381
Pyrene	µg/L	42	10	TBD			ND>0.0381	ND>0.0381	ND>0.0381	ND>0.0381
Benz(a)anthracene	µg/L	9.2	2.2	TBD			ND>0.0381	ND>0.0381	ND>0.0381	ND>0.0381
Chrysene	µg/L	8.3	2.0	TBD			ND>0.0381	ND>0.0381	ND>0.0381	ND>0.0381
Benzo(b)fluoranthene	µg/L	2.8	0.68	TBD			ND>0.0381	ND>0.0381	ND>0.0381	ND>0.0381
Benzo(k)fluoranthene	µg/L	2.7	0.64	TBD			ND>0.0381	ND>0.0381	ND>0.0381	ND>0.0381
Benzo(a)pyrene	µg/L	4.0	0.96	TBD			ND>0.0381	ND>0.0381	ND>0.0381	ND>0.0381
Indeno(1,2,3-cd)pyrene	µg/L	1.2	0.28	TBD			ND>0.0381	ND>0.0381	ND>0.0381	ND>0.0381
Dibenzo(a,h)anthracene	µg/L	1.2	0.28	TBD			ND>0.0381	ND>0.0381	ND>0.0381	ND>0.0381
Benzo(g,h,i)perylene	µg/L	1.8	0.44	TBD			ND>0.0381	ND>0.0381	ND>0.0381	ND>0.0381

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: 09/18/2008
Construction Activity: S3B Capping
Construction Activity Times: Capping activity occurred from 07:30 to 15:00
Monitoring Times: Background Parameters taken at 07:30; Compliance Parameters taken from 08:20 to 16:05
Rounds of Sampling for Day: 4

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 9/18/08 = 10.00 NTU**
*** Background Station 1 = 10.70 NTU**
*** Background Station value of 10.70 NTU used to calculate trigger for sampling in Round 1 since it is higher than 90th Percentile value.**
10.70 NTU + 5.0 NTU = 15.70 NTU Turbidity Trigger

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

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

Water Depth (ft)		Parameters			
Depth to Bottom	73.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.66	18.47	5.47	7.11
Depth 2	36.0	7.87	18.89	9.19	7.17
Depth 3	70.0	8.10	18.79	10.70	7.22

Station ID: S3B-E Early Warning Station for All Field Parameters taken at: 08:20

Water Depth (ft)		Parameters			
Depth to Bottom	39.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.57	19.05	7.45	7.21
Depth 2	20.0	7.40	19.01	11.27	7.17
Depth 3	36.0	7.02	18.82	10.75	7.18

Station ID: S3B-S South Station for All Field Parameters taken at: 08:30

Water Depth (ft)		Parameters			
Depth to Bottom	42.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.37	18.31	7.05	7.20
Depth 2	21.0	7.17	18.76	8.37	7.20
Depth 3	39.0	6.98	19.05	14.74	7.13

Station ID: S3B-M Middle Station for All Field Parameters taken at: 08:45

Water Depth (ft)		Parameters			
Depth to Bottom	42.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.41	18.99	7.10	7.13
Depth 2	21.0	7.19	18.99	6.27	7.21
Depth 3	39.0	7.06	19.04	14.52	7.16

Station ID: S3B-N North Station for All Field Parameters taken at: 09:00

Water Depth (ft)		Parameters			
Depth to Bottom	47.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.00	19.08	5.67	7.13
Depth 2	23.0	7.11	19.11	9.44	7.15
Depth 3	44.0	7.14	18.97	8.53	7.28

Round 2					
Station ID: S3B-E Early Warning Station for All Field Parameters taken at: 09:20					
Water Depth (ft)		Parameters			
Depth to Bottom	40.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	6.92	19.09	5.64	7.14
Depth 2	20.0	7.50	19.10	7.59	7.15
Depth 3	37.0	6.89	19.06	7.28	7.10
Station ID: S3B-S South Station for All Field Parameters taken at: 09:40					
Water Depth (ft)		Parameters			
Depth to Bottom	40.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	6.83	18.97	5.27	7.10
Depth 2	20.0	7.56	18.96	4.43	7.17
Depth 3	37.0	6.95	19.05	13.53	7.32
Station ID: S3B-M Middle Station for All Field Parameters taken at: 09:55					
Water Depth (ft)		Parameters			
Depth to Bottom	41.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	6.95	19.10	4.81	7.16
Depth 2	20.0	6.95	19.02	5.54	7.18
Depth 3	38.0	6.93	19.05	10.28	7.31
Station ID: S3B-N North Station for All Field Parameters taken at: 10:10					
Water Depth (ft)		Parameters			
Depth to Bottom	46.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	6.52	19.15	5.37	7.09
Depth 2	23.0	7.05	19.14	5.81	7.22
Depth 3	43.0	7.51	18.76	6.86	7.30
Round 3					
Station ID: S3B-E Early Warning Station for All Field Parameters taken at: 11:15					
Water Depth (ft)		Parameters			
Depth to Bottom	39.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.91	18.97	5.25	7.21
Depth 2	19.0	7.59	19.03	4.22	7.21
Depth 3	36.0	7.21	18.99	22.04	7.20
Station ID: S3B-S South Station for All Field Parameters taken at: 11:25					
Water Depth (ft)		Parameters			
Depth to Bottom	40.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.15	19.09	4.50	7.21
Depth 2	20.0	7.15	18.80	4.15	7.23
Depth 3	37.0	7.06	19.09	20.51	7.17
Station ID: S3B-M Middle Station for All Field Parameters taken at: 11:35					
Water Depth (ft)		Parameters			
Depth to Bottom	41.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.36	18.80	5.00	7.23
Depth 2	20.0	6.90	19.00	7.42	7.25
Depth 3	38.0	7.02	18.79	26.14	7.36
Station ID: S3B-N North Station for All Field Parameters taken at: 11:50					
Water Depth (ft)		Parameters			
Depth to Bottom	46.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.03	19.19	4.82	7.24
Depth 2	23.0	7.35	19.08	4.33	7.25
Depth 3	43.0	7.06	18.99	18.50	7.35

Station ID: S3M-E Early Warning Compliance Station for All Field Parameters taken at: 12:25					
Water Depth (ft)		Parameters			
Depth to Bottom	48.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.70	19.04	3.67	7.26
Depth 2	24.0	7.45	18.98	5.62	7.30
Depth 3	45.0	7.76	19.01	5.88	7.83
Station ID: S3M-M Middle Compliance Station for All Field Parameters taken at: 12:35					
Water Depth (ft)		Parameters			
Depth to Bottom	58.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.61	19.05	4.63	7.29
Depth 2	29.0	7.10	18.94	4.67	7.24
Depth 3	55.0	7.51	18.82	6.77	7.47
Station ID: S3M-S South Compliance Station for All Field Parameters taken at: 12:40					
Water Depth (ft)		Parameters			
Depth to Bottom	57.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.64	18.82	4.38	7.29
Depth 2	28.0	7.66	18.78	5.05	7.27
Depth 3	55.0	7.70	18.66	7.47	7.37
Station ID: S3M-N North Compliance Station for All Field Parameters taken at: 12:50					
Water Depth (ft)		Parameters			
Depth to Bottom	34.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.56	18.93	4.09	7.34
Depth 2	17.0	7.80	18.71	4.69	7.31
Depth 3	31.0	6.99	18.92	4.16	7.19
Round 4					
Station ID: S3B-E Early Warning Station for All Field Parameters taken at: 14:30					
Water Depth (ft)		Parameters			
Depth to Bottom	37.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.01	19.04	3.49	7.20
Depth 2	18.0	7.40	19.03	6.56	7.20
Depth 3	34.0	7.45	18.97	30.99	7.26
Station ID: S3B-S South Station for All Field Parameters taken at: 14:50					
Water Depth (ft)		Parameters			
Depth to Bottom	38.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	6.88	19.15	3.44	7.14
Depth 2	19.0	7.50	19.06	6.95	7.33
Depth 3	35.0	7.33	18.96	17.86	7.41
Station ID: S3B-M Middle 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	7.40	18.96	4.81	7.32
Depth 2	20.0	7.89	19.15	7.18	7.29
Depth 3	37.0	7.66	19.12	22.53	7.35
Station ID: S3B-N North Station for All Field Parameters taken at: 15:15					
Water Depth (ft)		Parameters			
Depth to Bottom	45.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.55	19.11	4.50	7.31
Depth 2	22.0	7.29	19.03	15.90	7.31
Depth 3	42.0	7.56	19.00	19.59	7.45

Station ID: S3M-E Early Warning Compliance Station for All Field Parameters taken at: 15:30					
Water Depth (ft)		Parameters			
Depth to Bottom	55.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.54	18.97	3.49	7.32
Depth 2	27.0	7.49	18.99	5.06	7.28
Depth 3	52.0	7.29	18.88	8.51	7.27
Station ID: S3M-M Middle Compliance Station for All Field Parameters taken at: 15:40					
Water Depth (ft)		Parameters			
Depth to Bottom	57.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.52	19.02	4.33	7.37
Depth 2	28.0	7.52	18.91	4.35	7.34
Depth 3	54.0	7.43	18.83	7.29	7.50
Station ID: S3M-S South Compliance Station for All Field Parameters taken at: 15:55					
Water Depth (ft)		Parameters			
Depth to Bottom	56.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.76	18.82	3.64	7.40
Depth 2	28.0	7.47	18.82	4.60	7.33
Depth 3	53.0	7.50	18.81	6.12	7.33
Station ID: S3M-N North Compliance Station for All Field Parameters taken at: 16:05					
Water Depth (ft)		Parameters			
Depth to Bottom	33.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.58	18.77	2.88	7.36
Depth 2	17.0	7.42	19.02	3.58	7.31
Depth 3	30.0	7.52	18.96	6.66	7.34

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

Date: 09/19/2008
Construction Activity: S3B Capping
Construction Activity Times: Capping activity occurred from 08:45 to 16:00
Monitoring Times: Background Parameters taken at 11:20; Compliance Parameters taken from 12:00 to 12:30
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 9/19/08 = 10.15 NTU**
*** Background Station 1 = 6.63**
*** 90th Percentile value of 10.15 NTU used to calculate trigger for sampling in Round 1 since it is higher than Background Station value.**
10.15 NTU + 5.0 NTU = 15.15 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	66.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.82	18.83	4.58	6.97
Depth 2	33.0	7.09	18.85	4.49	7.01
Depth 3	63.0	7.21	18.82	6.63	7.05

Station ID: S3B-E Early Warning Station for All Field Parameters taken at: 12:00

Water Depth (ft)		Parameters			
Depth to Bottom	37.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	6.85	19.04	6.74	7.07
Depth 2	18.0	6.95	18.93	6.27	7.09
Depth 3	34.0	7.55	19.06	7.68	7.15

Station ID: S3B-S South Station for All Field Parameters taken at: 12:10

Water Depth (ft)		Parameters			
Depth to Bottom	38.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	6.90	19.04	4.95	7.08
Depth 2	19.0	6.80	19.02	6.38	7.08
Depth 3	35.0	6.92	18.87	6.91	7.16

Station ID: S3B-M Middle Station for All Field Parameters taken at: 12:20

Water Depth (ft)		Parameters			
Depth to Bottom	38.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	6.80	19.02	5.60	7.13
Depth 2	19.0	7.67	18.98	7.07	7.11
Depth 3	35.0	6.76	18.98	9.10	7.24

Station ID: S3B-N North Station for All Field Parameters taken at: 12:30

Water Depth (ft)		Parameters			
Depth to Bottom	44.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	6.88	19.13	6.19	7.17
Depth 2	22.0	6.72	19.05	6.96	7.18
Depth 3	41.0	6.83	18.98	6.25	7.26

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

Date: 09/20/2008
Construction Activity: S3B Capping
Construction Activity Times: Capping activity occurred from 07:30 to 14:45
Monitoring Times: Background Parameters taken at 10:35; Compliance Parameters taken from 10:45 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 9/20/08 = 10.12 NTU**
*** Background Station 1 = 11.07 NTU**
*** Background Station value of 11.07 NTU used to calculate trigger for sampling in Round 1 since it is higher than 90th Percentile value.**
11.07 NTU + 5.0 NTU = 16.07 NTU Turbidity Trigger

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

Station ID: BG-01R Background Station Field Parameters taken at: 10:35

Water Depth (ft)		Parameters			
Depth to Bottom	56.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.82	18.34	3.70	7.03
Depth 2	28.0	7.61	18.37	5.78	7.14
Depth 3	53.0	7.61	18.52	11.07	7.62

Station ID: S3B-E Early Warning Station for All Field Parameters taken at: 10:45

Water Depth (ft)		Parameters			
Depth to Bottom	38.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.23	18.55	5.32	7.04
Depth 2	19.0	6.92	18.69	5.44	7.03
Depth 3	35.0	6.91	18.71	6.40	7.06

Station ID: S3B-S South Station for All Field Parameters taken at: 11:00

Water Depth (ft)		Parameters			
Depth to Bottom	42.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.15	18.61	5.57	7.06
Depth 2	21.0	7.12	18.54	7.11	7.06
Depth 3	39.0	7.10	18.37	7.34	7.07

Station ID: S3B-M Middle Station for All Field Parameters taken at: 11:10

Water Depth (ft)		Parameters			
Depth to Bottom	39.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	7.59	18.69	5.49	7.10
Depth 2	20.0	6.75	18.60	5.45	7.10
Depth 3	36.0	7.23	18.51	7.00	7.08

Station ID: S3B-N North Station for All Field Parameters taken at: 11:20

Water Depth (ft)		Parameters			
Depth to Bottom	46.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	6.98	18.93	6.22	7.04
Depth 2	23.0	7.46	18.77	5.55	7.06
Depth 3	43.0	7.24	18.67	6.69	7.06