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PORT OF PORTLAND
Possibility in every direction

August 19, 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 August 11 through 17, 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 (USEPA) signed on October 2, 2003. The reporting period covered by this letter is August 11 through 17, 2008.

SIGNIFICANT DEVELOPMENTS

- Began Phase I dredging and capping work on August 12, 2008. Dredging activities occurred on August 12, 13, and 14, 2008.
- Continued Phase I construction work in Wheeler Bay over the entire reporting period.

CONSTRUCTION ACTIVITIES PERFORMED

Dredging and Capping

- Mobilized dredging equipment to the Terminal 4 site.
- The fish diversion net was set prior to the beginning of any dredging work.
- Dredging was started and completed in the area north of Berth 414. A turbidity curtain and an oil absorbent boom were installed around the derrick and barge before dredging began. Approximately 280 cubic yards of material were dredged in this area.
- Dredging was started and completed in the center square dredge area within Slip 3. A turbidity curtain and an oil absorbent boom were installed around the derrick and barge before dredging began. Approximately 1,070 cubic yards of material were dredged in this area.
- After dredging was completed in the center square dredging area, Hickey demobilized the dredging equipment from the Terminal 4 site.
- The sediment transport barge (CHETCO) departed for The Dalles.

Wheeler Bay Shoreline Stabilization

- Continued clearing and grubbing activities.
- Built access road.
- Built construction entrance/exit with gravel where dirt roadway meets pavement to minimize amount of soil tracking onto pavement.

121 NW Everett Portland OR 97209
Box 3529 Portland OR 97208
503 944 7000
Printed on 100% recycled stock

- Contractor sampled stockpiles containing strippings and contaminated common excavation material for leaching purposes. Results indicated the material can be taken to Wasco County landfill. Stockpiled material containing strippings and common contaminated excavation material was hauled off-site by dump trucks and was taken to Wasco County landfill for disposal. Trucks were covered with tarps prior to hauling the material offsite.
- Concrete debris was taken off-site to a local recycling facility by dump truck.
- Began regrading the shoreline.

PROBLEMS ENCOUNTERED AND PROPOSED SOLUTIONS

Dredging and Capping

- On August 12th, a slight turbidity exceedance (0.8 NTU) occurred 100 meters from the Berth 414 dredging operation. The exceedance was confirmed by retaking the measurement at the location of the exceedance and by re-checking the turbidity at the background station. The confirmed exceedance was reported at 14:30. At that time Nicole LaFranchise and John Verduin were notified. In addition, the water quality monitoring field crew and Ben Hung conferred with EPA representative Andrew Sommes. The group discussed additional field measurements that could be taken to confirm whether the exceedance was construction related. Dredging in Berth 414 was completed at 14:40 and water quality monitoring was concluded at that time. Per EPA's request, Ben Hung spoke with Hickey to determine what additional best management practices (BMPs) could be employed, or what BMPs could be implemented more effectively moving forward to prevent exceedances such as the one observed today. Based on the discussion with Hickey, the following BMPs will be implemented moving forward:
    - Reduce the amount of material in each bucket load. The design dredge depth at Berth 414 was essentially the depth at which Hickey would reach using the dredging bucket that was used today, provided that a relatively full "bite" was taken each time. In the future, despite the engineering constraints, the dredge operator will be instructed to take smaller "bites" with the dredging bucket (not overfill).

- On August 15th, EPA directed the Port to select chemistry sampling times randomly throughout the day as dredging occurs, not just during the first round of monitoring. EPA also directed that the samples could be selected subjectively to occur when elevated turbidity (e.g., a turbidity exceedance at the point of compliance) is observed during one of the monitoring events. The Port and EPA agreed that the chemistry sampling would occur such that the monitoring round the chemistry sample is taken is moved back one round for each subsequent day of dredging (i.e., on the first day of dredging, the chemistry sample would be taken during the first round of monitoring. On the second day of dredging, the chemistry sample would be taken during the second round of monitoring, etc.). Once the sample has been taken from the last monitoring round (typically the fourth round), the rotation would move back to selecting the chemistry sample during the first round of monitoring.

Wheeler Bay Shoreline Stabilization

- The Port requested to modify the plan for removal of the Fireboat Pier to include removal of all of the structure that is contained in the Phase 1 area to minimize the amount of disturbance to the Phase I cap and stabilized area during removal in Phase 2. Piling shall be removed to the existing subgrade or at least 1 foot below the proposed subgrade, whichever is deeper. Work shall be completed with shore based equipment. EPA and the National Marine Fisheries Service (NMFS) agreed with the proposed modification with the following conditions:
    - If pieces fall into the water inadvertently, then they will be picked up in a manner that disturbs the sediment the least.
    - NMFS prefers creosote pilings be pulled. If the piling breaks, please cut at least a foot below the mudline.

MONITORING ACTIVITIES PERFORMED

Dredging and Capping

- Water quality monitoring activities occurred during the dredging activities as described in the EPA-issued Water Quality Monitoring and Compliance Conditions Plan (WQMCCP) and the WQMP (Appendix B of the Final Design Analysis Report).
- Air monitoring occurred before and during dredging activities.

Wheeler Bay Shoreline Stabilization

- Air monitoring occurred throughout the reporting period.

SUMMARY OF MONITORING DATA COLLECTED AND RECEIVED

Dredging and Capping

- Attachment C contains a summary of the daily field parameters and chemistry analytical results for this reporting period. One turbidity exceedance was identified on August 12, 2008 100 meters from the dredging activity as detailed previously in the Problems Encountered section of this report. No chemical criteria were exceeded during the dredging activities that occurred during this reporting period.
- Air monitoring data indicated no issues with air quality from the dredging activities.

Wheeler Bay Shoreline Stabilization

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

SCHEDULE OF ACTIVITIES TO BE PERFORMED DURING NEXT REPORTING PERIOD

Dredging and Capping

- Mobilization and dredging of the Berth 411 area

Wheeler Bay Shoreline Stabilization

- Continue regrading of the shoreline

Nicole LaFranchise

ATTACHMENT A

DAILY CONSTRUCTION MONITORING REPORTS FOR DREDGING AND CAPPING

ANCHOR ENVIRONMENTAL, L.L.C.

Daily Construction Report Number:

Work Hours: 06:00 to 16:00

Project Number: 050332-01 Day: Tuesday Date: 8/12/08

Weather AM: Partly Cloudy L: 62 °F PM: Partly Cloudy H: 83 °F

Tides:

Time	Height
11:00	+4.15
12:00	+3.74
13:00	+3.47

Contractor: Hickey Sub: Bernert (Tug)

Contractors Rep and Title: Darrell Jamieson (Project Superintendent)

Work Day Charge: _____ Day: _____ Reason: _____

Project Pictures? ☐ **Yes** ☐ No Subject: Dredging in Berth 414 – Construction Folder on P:drive

Visitors: Andrew Somes (EPA)

Item #	Item Description	Quantity Today	√	Remarks
1	Dredging in Berth 414	278 Cubic Yards		B414 Dredging completed today
2	Turbidity Curtain Work	3 hours		2.5 hours to deploy, 0.5 hours to secure

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

Hickey mobilized to the site in the morning (Two Work Boats (Husky and Piggy), Sea Horse Dredge, Sediment Barge (Chetco), Lash Barge (Water Barge?), "Other" Barge (small barge used to box in dredge area).

08:00 – Tim Stone and Julie Fox (Anchor) completed installation of the fish diversion barrier by 10:00

A turbidity curtain was installed before dredging began.

Dredging began at 13:00 and continued until 14:40.

Ben Hung John Verduin

DAILY REPORT OF OPERATIONS – PIPELINE, DIPPER, OR BUCKET OPERATIONS

CONTRACT NO:

TO:	CONTRACTOR	DATE(S)	REPORT NO: 1
P.O.P.	HME	8/12/08	CONTRACT DAY: 1

PROJECT AND BAR				
NAME: T-4 Removal Action	AUTHORIZED DIMENSIONS 50 x 70	WIDTH: 50'	DEPTH 1 Foot Removal	
LOCATION (include station no.): Berth 414 square		OVERDEPTH: 1 Foot		

DREDGE					
NAME AND TYPE: SEA HORSE	SIZE: 135T	PIPELINE: in. dia. disch.		DIPPER OR BUCKET: 20 cy. cap.	
HORSEPOWER OF 900	DREDGE PUMP:	SUCTION PIPE JET:	CUTTER OR BUCKET:	PROPULSION:	
NUMBER OF CREW MEMBERS			WORK SCHEDULE		
Dredge: 6	Shore:	Other:	Total: 6	Shifts per day: 1	Days per week 5

CHANNEL CONDITION	AVERAGE DEPTH	BEFORE DREDGING	AFTER DREDGING	MINIMUM SOUNDING	BEFORE DREDGING:	AFTER DREDGING:
		-20	-18.5		-15	-14

CHARACTER OF MATERIAL AND PERCENTAGE						
GRAVEL		MUD	30	STONE		
SAND	10	CLAY		HARDPAN		
SILT	60	OTHERS:				

WORK PERFORMED		
ITEM	UNIT	QTY
AVERAGE WIDTH OF CUT	FEET	50
TOTAL ADVANCE THIS PERIOD	FEET	70
TOTAL ADVANCE PREVIOUS TO THIS PERIOD	FEET	0
TOTAL ADVANCE TO DATE	FEET	70
FLOATING PIPE:	SHORE PIPE:	
TOTAL LENGTH OF DISCHARGE PIPE	FEET	
AVERAGE LIFT	FEET	
AVERAGE PUMP SPEED	R.P.M.	
AVERAGE DREDGED PER PUMP HOUR, GROSS	CU.YD.	
SCOWS LOADED	NUMBER	—
AVERAGE LOAD PER SCOW	CU. YD.	278

CUBIC YARDS REMOVED	
AMOUNT DREDGED THIS PERIOD:	
(1) GROSS (computed amount)	278
(2) CREDITED (pay place)	
AMOUNT PREVIOUSLY REPORTED:	
(1) GROSS (computed amount)	0
(2) CREDITED (pay place)	
AMOUNT DREDGED TO DATE:	
(1) GROSS (computed amount)	278
(2) CREDITED (pay place)	

ATTENDANT PLANT		
ITEM	NAME OR NUMBER	HOURS
Tug	Husky	10
Scow	Chetco	10
Water Barge	Lash Combo	10
Crew/Survey	Piggy	10

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
PUMPING OR DREDGING	2	15
BOOSTER (in line)		
NONE-EFFECTIVE WORKING TIME		
HANDLING PIPE LINES		
HANDLING ANCHOR LINES		
CLEARING PUMP AND PIPE LINE		
CLEARING CUTTER OR SUCTION HEAD		
WAITING FOR SCOWS		
TO AND FROM WHARF OR ANCHORAGE		
CHANGING LOCATION OF PLANT ON JOB		
LOSS DUE TO OPPOSING NATURAL ELEM.		
LOSS DUE TO PASSING VESSELS		
SHORE LINE AND SHORE WORK Boom	3	
WAITING FOR BOOSTER		
MINOR OPER. REPAIRS (explain below)		
WAITING FOR ATTENDANT PLANT		
PREPARATION AND MAKING UP TOW		30
TRANSFERRING PLAN BETWEEN WORKS	1	30
LAY TIME OFF SHIFT AND SATURDAYS		
SUNDAYS AND HOLIDAYS		
FIRE DRILL Safety meeting		30
MISCELLANEOUS (explain below) Set up	2	15
TOTAL NON-EFFECTIVE WORKING TIME	7	45
TOTAL EFFECTIVE AND NON-EFFECTIVE TIME (chargeable to cost of work)	10	
LOST TIME (chargeable to cost of work)		
MAJOR REPAIRS AND ALTERATIONS		
CESSATION		
COLLISIONS		
MISCELLANEOUS		
TOTAL LOST TIME:		
TOTAL TIME IN PERIOD		

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

TITLE	SIGNATURE
Superintendent	[signature]

HME
CRANEWORK & DREDGING

DAILY QUALITY CONTROL REPORT

Daily Report No. 1 Date: 8/12/08

Contract No.

Project Title: Terminal 4 Action Removal Location: Terminal 4

Weather: Clear Temperature: 85 Min. 85 Max

1. Contractor/Subcontractors and Area of Responsibility:

NUMBER	TRADE	HOURS	EMPLOYER	LOCATION/DESCRIPTION OF WORK
6	Dredge	10	HME	B414 / Dredge

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

Plant/Equipment	Date of Arrival/Departure	Date of Safety Check	Hours Used	Hours Idle	Hours Repair
Sea Horse	8/12	8/12	5	5	
Chetco	8/12	8/12	10		
Lash Barge	8/12	8/12	10		
Husky	8/12	8/12	2	8	
Piggy	8/12	8/12	10		

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

MOBE TO BERTH 414 - Deploy silt Curtain - Set up to DREDGE

DREDGE 414 SQUARE (298 cu yds) SECURE.

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

1. Perform GPS Verifications for Boom tip
2. Take 2 mwo samples for Anchor Environmental (Document and Target position)
3. Deploy Turbidity curtain and oil Absorbant Boom
4. Set up Decon Station
5. CHECK control points from Local Datum to State Plane.

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

1. Daily Test Form (see Attachment
2. Turbidity monitoring performed by Anchor Environmental

4. Material received:

5. Submittals Reviewed:

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

6. Offsite surveillance activities, including action taken:

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

Tool Box SAFETY MEETING (SEE Attachment)

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

1 RECIEVED confirmation from Tom CONDON (P.O.P.) that STATE PLANE CONVERTED control points WERE good

2. FAILED AFTERNOON WQ TEST - will Explore MORE BMPS for Tomorrow.

3. 2.5 Hours USED to Deploy Turbidity Curtain. .5 Hours to SECURE

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

8/13/08
Date

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

CRANEWORK & DREDGING

M	X	W	TH	F	S	S

Job Name TERMINAL 4 Removal Action Date 8/12/08

Job No. _____ Weather _____

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

Equipment Safety Checks Performed? (Yes) / No

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

Work performed today

06:00 - 6:30	MOBE FOR TOW	
6:30 - 8:00	TBL ARRIVES, MOVE to T-4 - Husky Departs with Lash BARGE	
8:00 - 8:30	SAFETY MEETING	
8:30 - 10:30	SET UP to DREDGE	VERIFY Boom Tip - control point :
10:30 -	Build AND Deploy Turbidity	Boom East 7619615.30
13:00	CURTAIN	North 712889.35
13:00 - 13:15	MONITOR AIR	Pt #37 East 7619615.24
13:15 -	BEGIN DREDGING B414 SQUARE	North 712889.66
15:00	LOAD CHETCO #1	
15:00 -	SECURE Turbidity CURTAIN - Spin DERRICK with RIVER	
16:00	SECURE FOR Tomorrow	

Extra work or delays (authorized by)

DIG 2 Test samples AS REQUESTED by P.O.P. AND ANCHOR ENV.
TARGET AND DOCUMENT
Test #1 X 7619640.90 Y 712850.12
Test #2 X 7619625.61 Y 712888.45

Sign _____

Position Verfication

6) Survey Boat ☐
Fuel ☐

Port _____
Starboard _____

Hull Depth _____
Sound Velocity _____
Latency _____

Boat
X _____
Y _____

Control Point
X _____
Y _____

7) Dredge Material Weight ☑ 105 pounds per cubic foot

8) Dredge Boom Tip Verification
X 7619615.30
Y 712889.35

Control Point #37
X 7619615.24
Y 712889.66

9) Containment and Truck Load Area NA
Clean ☐ Dust Suppression ☐
Fabric ☐ Spill Plates ☐

10) Lash Barge:
Keep within 2 ft of trim

Draft
PB 10 5" SB 10 5"
PS 10 7" SS 10 7"

Tank Sounding
#1 0 #3 0
#2 0 #4 0

11) Baker Tank Level NA
#1 _____ #2 _____

12) De con Stations
Clean ☑
Inventory ☑

13) Dust Suppression

Location	Bow	Time	13:15	Reading	0.039
Location	STERN	Time	13:20	Reading	0.038
Location	CHETCO	Time	13:25	Reading	0.051
Location		Time		Reading	
Location		Time		Reading	
Location		Time		Reading	

T-4/ The Dalles Offload Site
Daily Inspection Checklist

Date 8/12/08

1) Safety Meeting: Agenda: SCOPE OF WORK

Attendees:

SEE ATTACHMENT

Derrick SEAHORSE ☑

Derrick Sea Vulture ☐

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

3) Plant Inspection ☑

Deficiencies:	Date	Date Corrected
INSUFFICIENT Pump Hose	8/12	8/12

4) Staff Gage Check ☑

Time	Tideboard	Tide Track
10:00	1.9	1.89
13:15	1.7	1.72

5) Main Fuel Tank Levels ☑

	Port	Starboard
Height	76"	
Gallons	7,600	
Consumption per day	200	

HME
CRANEWORK & DREDGING

DREDGE RECORDING FORM

Date: 8-12-08

Project: T-4

Cut / Station	Time	Tide	Port	Center	Starboard	Int.

Load #	Mt Drafts	Loaded Drafts	Time
#1 CHETCO	3.8 3.9 3.2 3.4	4.7, 5.1, 5.2, 4.8	
	3.575 MT AVE	4.95 LD AVE	
LASH	10.5" 10.5"		
BARGE	10.7" 10.7"		
DAY 1	MT = 11.675 = 1000 TONS		
Totals	LD = 10.3 = 1,391 TONS	391 TONS ÷ 1.41 = 278 cu yds	

HICKEY MARINE ENTERPRISE
TOOL BOX SAFETY MEETING REPORT

PROJECT: T-4 Removal Action PIN:

MEETING DATE: 8/12/08 NO. IN CREW: 6

CRAFT: Dredging NO. ATTENDING: 6

FOREMAN: BADGE:

SUBJECTS DISCUSSED:

1. SCOPE OF WORK
2. DREDGE GRADES
3. Silt Boom
4. DECON
5 EMERGENCY Contacts

SUGGESTIONS OFFERED:

1 PFD's, PPES - Tyvek
2. Establish Elevations
3. Maintain Curtain
4. SET up DECON Station

ACTION TO BE TAKEN:

5. Post Emergency #s

INJURIES/ACCIDENTS REVIEWED:

LIST BADGE # OR NAME OF EACH ATTENDEE

D Jamieson
P. Stacey
C Sause
D Mattix
J Bay
C Cox

FOREMAN'S SIGNATURE:

SUPERVISOR'S REMARKS:

Clara Sause

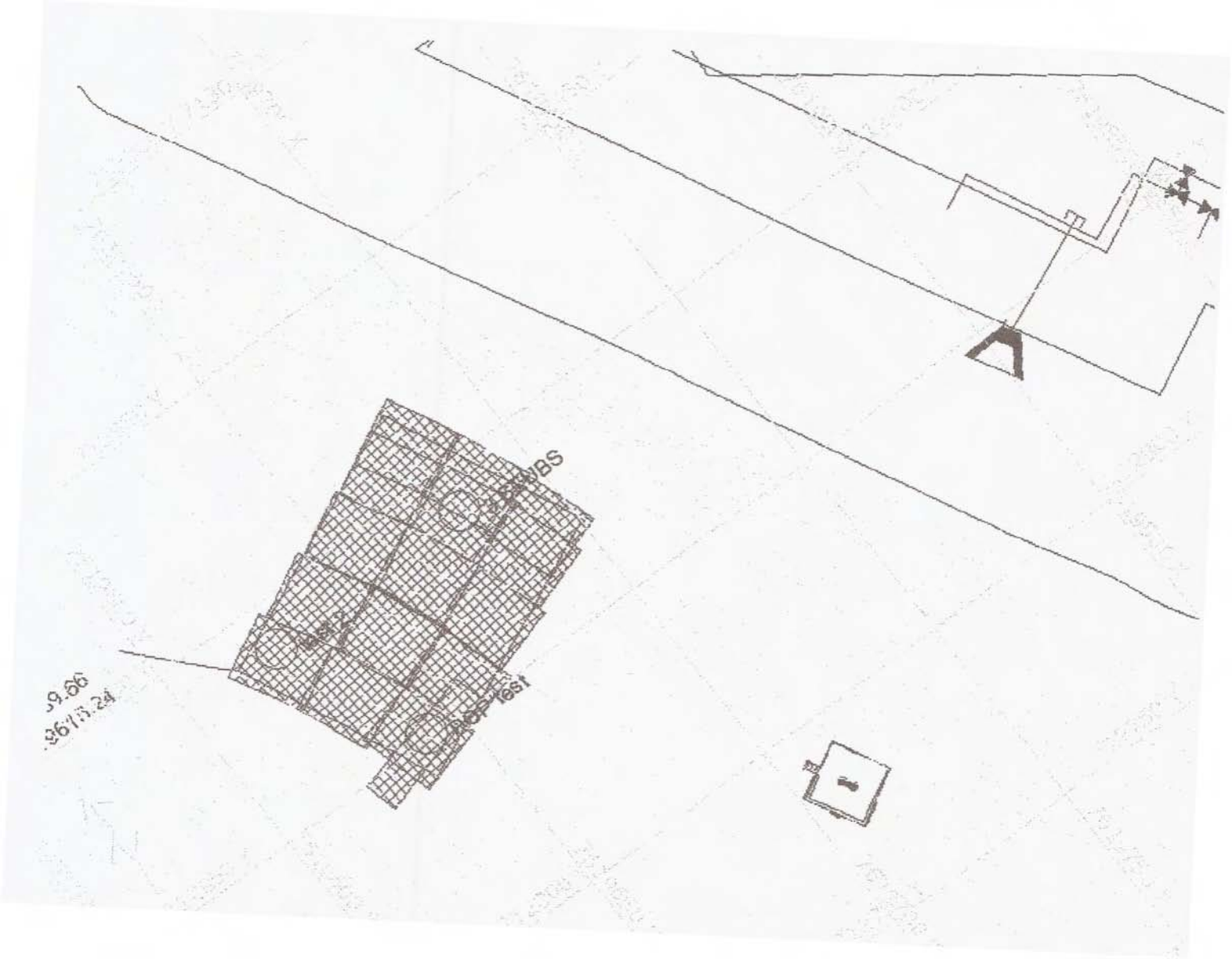
SIGNATURE: DATE: 8/12/08

712950 Y
712900 Y
712850 Y
712800 Y
7619700 X
7619650 X
7619600 X
T4-PI-09
35
34
T4-B414-01
36
37
rock sample 1
rock sample 2
boom tip
4

GPT "Boom tip" 7619615.30 712889.35 0.00 45.59955000 -122.77605697 11:05:12
08-12-2008 0.00 0.00 0 0 0.00 "0.00" "" 0.00

GPT "mud sample 1" 7619640.80 712850.12 0.00 45.59944442 -122.77595306 13:15:34
08-12-2008 0.00 0.00 0 0 0.00 "" "" 0.00

GPT "mud sample 2 " 7619625.61 712888.45 0.00 45.59954833 -122.77601660 13:20:19
08-12-2008 0.00 0.00 0 0 0.00 "" "" 0.00


PUBS
Prop Test
9.66
36(13.24

Dredge T

7619639.23	712849.66	0.00	75.29	8.00	33.00	47231
7619639.06	712851.76	0.00	74.63	19.00	17.00	47475
7619631.91	712868.87	0.00	68.23	19.00	17.00	48003
7619624.51	712885.54	0.00	61.57	19.00	17.00	48286
7619654.14	712857.32	0.00	74.49	19.00	17.00	49001
7619648.22	712875.10	0.00	68.40	19.00	17.00	49347
7619648.39	712874.40	0.00	68.58	19.00	17.00	49352
7619640.37	712891.80	0.00	62.34	19.00	17.00	49662
7619669.44	712864.52	0.00	73.34	19.00	17.00	49978
7619663.63	712881.59	0.00	68.11	19.00	17.00	50274
7619656.04	712898.14	0.00	63.14	19.00	17.00	50533
7619685.01	712871.11	0.00	72.91	19.00	17.00	50851
7619679.07	712888.44	0.00	67.87	19.00	17.00	51166
7619671.16	712904.86	0.00	63.40	19.00	17.00	51491
7619691.61	712875.19	0.00	72.55	19.00	17.00	52087
7619686.02	712892.13	0.00	68.12	19.00	17.00	52342
7619678.77	712908.51	0.00	63.46	19.00	17.00	52607

ANCHOR ENVIRONMENTAL, L.L.C.

Resident Engineer Project Engineer

Diary (continued) Date: Report Number:

Metal cables, strapping, and tires observed in dredged sediment.

Very little water in dredge sediment.

14:15 – No turbidity plume observed since the start of dredging. Spoke with Dave Godel (Hickey Safety) re: air quality testing protocols and other safety issues. (No issues to report)

14:30 – Turbidity exceedance reported. See Daily WQ monitoring report for details.

ANCHOR ENVIRONMENTAL, L.L.C.

Daily Construction Report Number:

Work Hours: 06:00 to 18:30

Project Number: 050332-01 Day: Wednesday Date: 8/13/08

Weather AM: Sunny L: 58 °F PM: Sunny H: 85 °F

Tides:

Time	Height
12:00	+4.17

Contractor: Hickey Sub:

Contractors Rep and Title: Darrell Jamieson (Project Superintendent)

Work Day Charge: Day: Reason:

Project Pictures? ☐ **Yes** ☐ No Subject: Dredging in "Center Square – Construction Folder on P:drive

Visitors: Andrew Somes and Ken Fellows (EPA)

Item #	Item Description	Quantity Today	√	Remarks
1	Dredging in Center Square	811 Cubic Yards		Dredging in Center Square nearly completed today.
2	Time related to turbidity curtain work	3 Hours		3.0 hours to move boom and secure along dredge.

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: Report Number:

06:00 Hickey began work at site.
08:30 Weekly Dredging and Capping Meeting held
09:30 Hickey set up to dredge and turbidity curtain installation complete
09:30 Hickey safety meeting held.
09:45 Dredging began in Slip 3 Center Square. WQ monitoring initiated.
11:00 Weekly Wheeler Bay Meeting Held
13:30 Weekly project meeting with EPA held. Andrew Somes and Ken Fellows joined the meeting in person after performing observations at the site during the morning. Andrew Somes continued oversight monitoring throughout the afternoon until dredging was completed.
16:30 Dredging completed for the day.
18:30 Work completed for the day.

Total estimated amount dredged to date: 1,089 Cubic Yards

Resident Engineer

Project Engineer

PORT OF PORTLAND

DAILY DIARY

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

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

DAY OF WEEK & DATE: Wed., Aug 13, 2008 **REPORT NO.** 02

WEATHER Sunny **TEMPERATURE** L 58 H 85

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

CHRONOLOGICAL ACCOUNT OF DAY'S WORK:

(06:30 – 16:35) Contractor's working hours while dreding at berth 411 "plus" dredging area.

Contractor relocating derrick and barge from berth 414 into slip 3, to begin dredging at berth 411 "plus" dredging area (see dwg 1/C-3)
(07:50) Contractor installing an additional 200 lin ft of silt curtain and placed curtain around both derrick and barge, including oil water boom.
Anchor water quality control crew with boat on site.

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

Crew began loading barges/scow with sediment at berth 411 "plus" dredging area. Crane operator taking measures when dredging to minimize amount of turbidity by allowing bucket to stabilize at mudline before closing it and slowly extracting bucket out of water.

With in-water silt curtain place, contractor is allowing all water to be discharged before dumping sediment into barge. Turbidity tests were taken every hour during dredging operations and all passed.

Contractor has crew of 2 dressed in Tyvek suits pumping out water that has collected inside sediment barge/scow and discharging into separate concealed barge. The concealed barge with contaminated water will eventually be discharged into Portland's sanitary sewer at berth 408.

(12:15) Sediment barge/scow has freeboard at bow: 5.5 with tide of +1.7'.
Crane cables have been repainted and bottom of new yellow paint is now 50' to bottom of clam shell bucket.

Anchor representative (BH) and EPA representative's (KF, AS) on site monitoring dredging operations .

(14:45) Crane spuds lifted and relocated derrick and barge/scow, closer to head of slip 3 but still working in berth 411 "plus" dredge area.

(16:30) Crane stopped dredging at berth 411 "plus" area, and after receiving permission from Kinder/Morgan manager (BC) parked crane derrick and barge/scow in SE corner of slip 3, cleaned work area and left site.

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., Aug 13, 2008 **REPORT NO.** 02

WEATHER Sunny **TEMPERATURE** L 58 H 85

TESTING LABORATORY ON SITE: **HRS:**

TESTS PERFORMED:

PHONE LOG:

SITE PHOTOS/VIDEOS TAKEN:

FORCE ACCOUNT WORK/ CHANGES ENCOUNTERED:

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

DAILY REPORT OF OPERATIONS – PIPELINE, DIPPER, OR BUCKET OPERATIONS

CONTRACT NO:

TO:	CONTRACTOR	DATE(S)	REPORT NO: 2
P.O.P.	HME	8/13/08	CONTRACT DAY: 2

PROJECT AND BAR

NAME: T-4 Removal Action | AUTHORIZED DIMENSIONS: 70 x 70 | WIDTH: 70 | DEPTH: -43.72

LOCATION (include station no.): 410 - 411 & SQUARE | OVERDEPTH: -44.72

DREDGE

NAME AND TYPE: SEA HORSE | SIZE: 135 | PIPELINE: in. dia. disch. | DIPPER OR BUCKET: 20 cy. cap.

HORSEPOWER OF: 900 | DREDGE PUMP: | SUCTION PIPE JET: | CUTTER OR BUCKET: | PROPULSION:

NUMBER OF CREW MEMBERS: Dredge: 6 | Shore: | Other: | Total: 6

WORK SCHEDULE: Shifts per day: 1 | Days per week: 5

CHANNEL CONDITION

AVERAGE DEPTH	BEFORE DREDGING	AFTER DREDGING	MINIMUM SOUNDING	BEFORE DREDGING:	AFTER DREDGING:
	-40.2	-44.2		-38.8	-43.8

CHARACTER OF MATERIAL AND PERCENTAGE

GRAVEL		MUD	65	STONE	
SAND	15	CLAY		HARDPAN	
SILT	20	OTHERS:			

WORK PERFORMED

ITEM	UNIT	QTY
AVERAGE WIDTH OF CUT	FEET	70
TOTAL ADVANCE THIS PERIOD	FEET	50
TOTAL ADVANCE PREVIOUS TO THIS PERIOD	FEET	70
TOTAL ADVANCE TO DATE	FEET	120
FLOATING PIPE:	SHORE PIPE:	
TOTAL LENGTH OF DISCHARGE PIPE	FEET	
AVERAGE LIFT	FEET	
AVERAGE PUMP SPEED	R.P.M.	
AVERAGE DREDGED PER PUMP HOUR, GROSS	CU.YD.	120
SCOWS LOADED	NUMBER	—
AVERAGE LOAD PER SCOW	CU. YD.	811

CUBIC YARDS REMOVED

AMOUNT DREDGED THIS PERIOD:	
(1) GROSS (computed amount)	811
(2) CREDITED (pay place)	
AMOUNT PREVIOUSLY REPORTED:	
(1) GROSS (computed amount)	278
(2) CREDITED (pay place)	
AMOUNT DREDGED TO DATE:	
(1) GROSS (computed amount)	1,089
(2) CREDITED (pay place)	

ATTENDANT PLANT

ITEM	NAME OR NUMBER	HOURS
TUG	Husky	12.5
BARGE	CHETCO	12.5
WATER BARGE	LASH combo	12.5
SURVEY / CREW	PiGGY	12.5

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
PUMPING OR DREDGING	6	45
BOOSTER (in line)		
NONE-EFFECTIVE WORKING TIME		
HANDLING PIPE LINES		
HANDLING ANCHOR LINES		
CLEARING PUMP AND PIPE LINE		
CLEARING CUTTER OR SUCTION HEAD		
WAITING FOR SCOWS		
TO AND FROM WHARF OR ANCHORAGE		
CHANGING LOCATION OF PLANT ON JOB		
LOSS DUE TO OPPOSING NATURAL ELEM.		
LOSS DUE TO PASSING VESSELS		
SHORE LINE AND SHORE WORK Boom	3	
WAITING FOR BOOSTER		
MINOR OPER. REPAIRS (explain below)		15
WAITING FOR ATTENDANT PLANT		
PREPARATION AND MAKING UP TOW		
TRANSFERRING PLAN BETWEEN WORKS	2	15
LAY TIME OFF SHIFT AND SATURDAYS		
SUNDAYS AND HOLIDAYS		
~~FIRE DRILL~~ SAFETY Meeting		15
MISCELLANEOUS (explain below)		
TOTAL NON-EFFECTIVE WORKING TIME	5	45
TOTAL EFFECTIVE AND NON-EFFECTIVE TIME (chargeable to cost of work)	12	30
LOST TIME (chargeable to cost of work)		
MAJOR REPAIRS AND ALTERATIONS		
CESSATION		
COLLISIONS		
MISCELLANEOUS		
TOTAL LOST TIME:		
TOTAL TIME IN PERIOD		

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

TITLE: SUPERINTENDENT

SIGNATURE: [signature]

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

CRANEWORK & DREDGING

M	T	~~W~~	TH	F	S	S

Job Name T-4 Date 8/13/08

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
06:15 - 7:00 MOVE DERRICK, SPOT AT 410 - 411 CENTER SQUARE
7:00 - 9:30 SET UP to DREDGE - INSTALL TURBIDITY CURTAIN
9:30 - 9:45 SAFETY MEETING
9:45 - 16:30 BEGIN DREDGING 410-411 CENTER SQUARE
16:30 - 17:00 MOVE TURBIDITY BOOM
17:00 - 18.30 MOVE DREDGE to HEAD OF SLIP AND SECURE

Extra work or delays (authorized by)

2.5 hours to MOVE BOOM AND SECURE ALONG DREDGE - 200' MORE WAS ADDED
.5 hours SECURING BOOM

Sign

Form #3

HME
CRANEWORK & DREDGING

DAILY QUALITY CONTROL REPORT

Daily Report No. 2 Date: 8/13/08

Contract No. _____

Project Title: Terminal 4 Removal Action Location: T-4 410-411

Weather: clear Temperature: 65 Min. 85 Max

1. Contractor/Subcontractors and Area of Responsibility:

NUMBER	TRADE	HOURS	EMPLOYER	LOCATION/DESCRIPTION OF WORK
6	Dredge	12.5	HME	410/411 & square / Dredge
				/ Pump water

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

Plant/Equipment	Date of Arrival/Departure	Date of Safety Check	Hours Used	Hours Idle	Hours Repair
Sea Horse	8/12	8/13	7	5.5	
Chetco	8/12	8/13	12.5		
Husky	8/12	8/13	2.5	10	
Lash Barge	8/12	8/13	12.5		
Piggy	8/12	8/13	12.5		

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

Move Dredge to begin 410-411 & square. 200' of Turbidity Boom was added for a total of 600 feet. Dredged 75% of the & square

before moving Dredge to S.E. corner of slip for ship departure. Performed Post Dredge survey on 414. Passed all WQ tests at compliance points
Dredged: 811 cu yds Pumped 10,724 gallons of water into Lash Combo Barge

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

1. After Review of 414 post dredge it displayed some area to be at max removal Elevation, The Dredge Operator brought to my Attention that he had Grabbed pile stubbs in those Areas. I Retrieved the target files off The dredge computer and Attached them to this Report. Verified GPS on Survey Boat and Dredge

3. Offsite surveillance activities, including action taken:

Coordinated with Bruce Craven with Kinder Morgan on ship Departure Schedule

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

1. Performed safety meeting in A.M. Tim Stone Represented Anchor Env.
2. Discussed Tyvek to wear when pumping and handling Hoses
3. Performed air monitoring
4. Went over CHASP with crew

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

2.5 hours to Deploy and move Boom before Dredging
.5 hours to Secure Boom for evening and ship Departure

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

Daniel [illegible] 8/14/08

T-4/ The Dalles Offload Site
Daily Inspection Checklist

Date 8/13/08

1) Safety Meeting: Agenda: Scope of Work, CHASP, Tyvek

Attendees:

Craig Sause
Tim Stone
Phillip Stag
Bill [illegible]
[illegible]
[illegible]

Derrick SEAHORSE ☑

Derrick Sea Vulture ☐

2) Crane Inspection: ☑ "Attach Operator Log/Inspection Log"
Will submitt weekly

3) Plant Inspection ☐

Deficiencies:	Date	Date Corrected
1 mud along side of Chetco	8/13	8/13
2 closing line control button	~~8/13~~	
sticking	8/13	
3 more PPE (ear plugs - pfds -		
Gloves - safety glasses)	8/13	

4) Staff Gage Check ☑

Time	Tideboard	Tide Track
9:00	3.1	3.08
11:30	1.6	1.59
14:00	1.5	1.52

5) Main Fuel Tank Levels ☐

	Port	Starboard
Height	73"	NA
Gallons	7,300	
Consumption per day	300	

6) Survey Boat ☑

Fuel ☑

Port Full

Starboard Full

Hull Depth .06

Sound Velocity 4880

Latency .200

Position Verfication

Boat

X 7619615.24

Y 712889.53

Control Point #37

X 7619615.24

Y 712889.66

7) Dredge Material Weight ☑ 105 pounds per cubic foot

8) Dredge Boom Tip Verification

X 7619999.44

Y 713223.03

#30 Control Point X 7619999.36

Y 713223.37

9) Containment and Truck Load Area

Clean ☐ Dust Suppression ☐

Fabric ☐ Spill Plates ☐

10) Lash Barge:
Keep within 2 ft of trim

Draft PB 9'10" SB 10'8"

PS 9'10" SS 10'8"

Tank Sounding

#1 2" #3 0

#2 4" #4 0

10,724.76 gallons

11) Baker Tank Level #1 _____ #2 _____

12) De con Stations

Clean ☑

Inventory ☑

13) Dust Suppression

Location Bow Time 08:00 Reading 0.018

Location CHetco Time 8:05 Reading 0.013

Location STERN Time 8:10 Reading 0.019

Location Bow Time 11:05 Reading 0:025

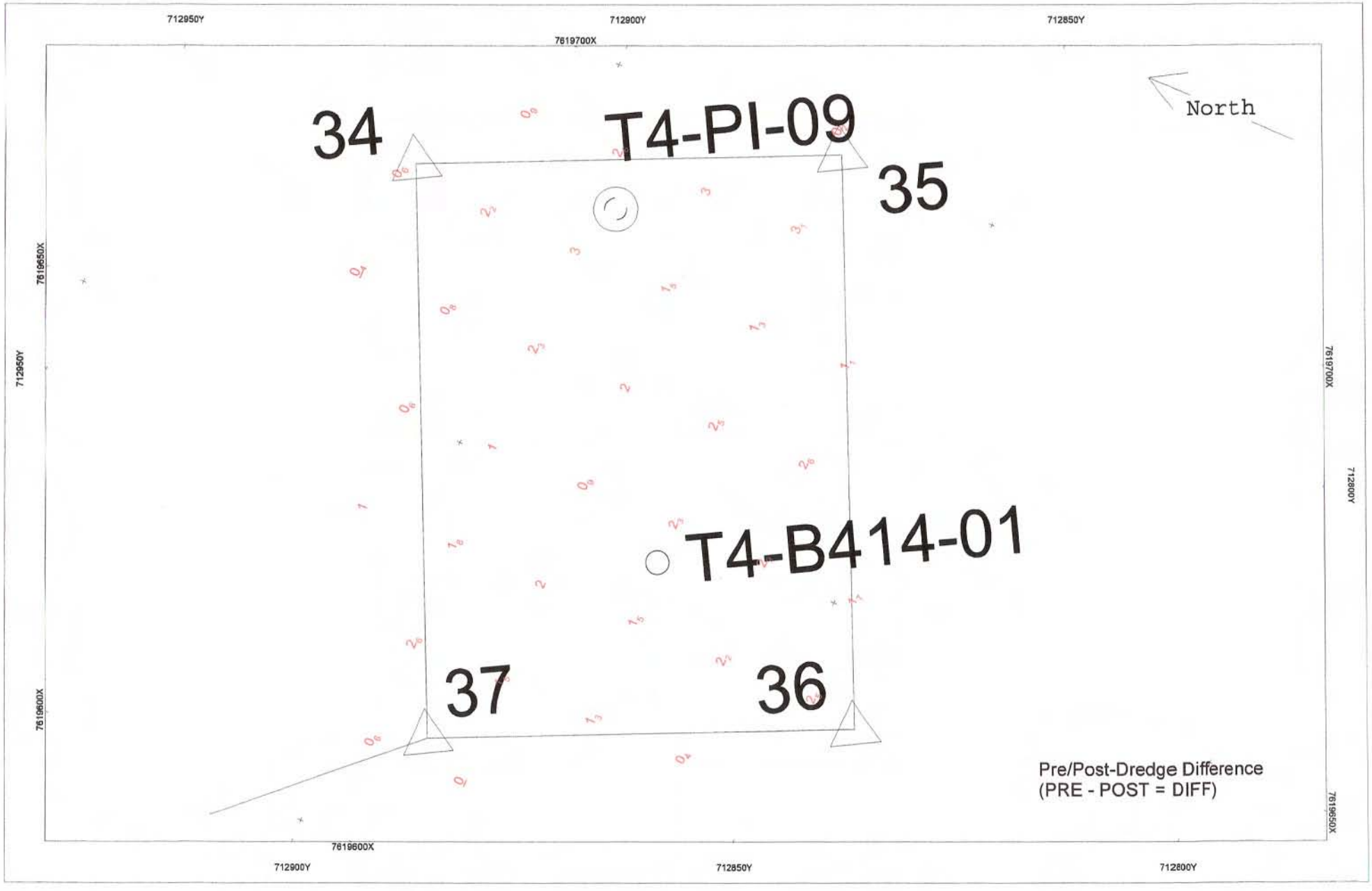
Location CHetco Time 11:10 Reading 0.012

Location STERN Time 11:15 Reading 0.015

Bow 14:40 0.007

CHetco 14:45 0.009

STERN 14:50 0.010


712950Y
712900Y
712850Y
7619700X
North
34
T4-PI-09
35
7619650X
712950Y
7619700X
712800Y
T4-B414-01
37
36
7619600X
Pre/Post-Dredge Difference
(PRE - POST = DIFF)
7619650X
7619600X
712900Y
712850Y
712800Y

713000 Y
712950 Y
712900 Y
712850 Y
712800 Y
712750 Y
7619550 X
7619600 X
7619650 X
7619700 X
N 712889.66
E 7619615.24
34
35
T4-PI-09
T4-B414-01
3 STUBS
stubbs
test 2 pat
POP test

N 713223.37
E 7619999.36
tlp verification
09:53:44

08122008.TGT

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GPT "tip verification" 7619999.44 713223.03 0.00 45.600494463750
-122.774593433511 08:04:09 08/13/2008 0.00 0.00 99 9 0.00 "" "QUA 3
29048.954 7 8.20 1.80 7.00 2.00 0.00 0.00 0.00 " 0.00
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survey check.tgt

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GPT "boat" 7619615.09 712889.53 0.00 45.59955048 -122.77605781 15:54:09 8/13/2008
0.00 0.00 0 0 0.00 "" "" 0.00
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08132008.BKT

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Dredge T
7620018.88 713167.73 0.00 84.94 19.00 17.00 59398
7620020.25 713150.81 0.00 90.87 19.00 17.00 58970
7620005.20 713141.58 0.00 94.13 19.00 17.00 58233
7620005.80 713157.70 0.00 88.32 19.00 17.00 56929
7620004.59 713176.02 0.00 81.14 19.00 17.00 56686
7619991.38 713149.33 0.00 95.13 19.00 17.00 52981
7619989.70 713134.30 0.00 99.63 19.00 17.00 51653
7619984.06 713209.55 0.00 74.07 19.00 17.00 49722
7619988.09 713195.70 0.00 77.99 19.00 17.00 48991
7619990.66 713179.40 0.00 82.42 19.00 17.00 48456
7619991.31 713161.63 0.00 87.64 19.00 17.00 48088
7619978.28 713186.97 0.00 79.97 19.00 17.00 47069
7619975.91 713200.75 0.00 75.65 19.00 17.00 46481
7619967.41 713192.34 0.00 78.04 19.00 17.00 45397
7619953.74 713186.57 0.00 78.82 19.00 17.00 44119
7619951.72 713176.24 0.00 87.07 19.00 17.00 42302
7619948.11 713176.64 0.00 86.57 19.00 17.00 41993
7619960.74 713169.93 0.00 88.65 19.00 17.00 41721
7619961.35 713175.67 0.00 86.70 19.00 17.00 41499
7619966.29 713158.18 0.00 92.47 19.00 17.00 41275
7619976.01 713176.68 0.00 86.44 19.00 17.00 40572
7619977.49 713160.08 0.00 91.50 19.00 17.00 39845
7619976.53 713144.25 0.00 96.28 19.00 17.00 39682
```

HME
CRANEWORK & DREDGING

DREDGE RECORDING FORM

Date: 8-13-08

Project: T-4

Cut / Station	Time	Tide	Port	Center	Starboard	Int.
410/411 ¢ SQUARE						

Load #	Mt Drafts	Loaded Drafts	Time
#1	4^{7} 5^{1} 5^{2} 4^{8}	10^{5} 10^{8} 7 6^{7}	16:45
DAY 2	4.95 MT AVE	8.5 LO AVE	
WASH BARGE	$10^{.5}$ $10^{.5}$ 10^{7} 10^{7}	9^{10} 9^{10} 10^{8} 10^{8}	
DAY 2	366 TONS	406 TONS	
	40 TONS Displacement x 35.84 =	1,433.6 x 7.481 = 10,724.76	gallons
CHETCO	MT = 10.3 FREEBOARD 1,391 tons		
DAY 2 Totals	LO = 6.75 FREEBOARD 2,535 tons	1144 Tons ÷ 1.41 = 811 cu	yds

ANCHOR ENVIRONMENTAL, L.L.C.

Daily Construction Report Number:

Work Hours: 06:00 to 11:30

Project Number: 050332-01 Day: Thursday Date: 8/14/08

Weather AM: Sunny L: 65 °F PM: Sunny H: 96 °F

Tides:

Time	Height
12:00	+4.68

Contractor: Hickey Sub:

Contractors Rep and Title: Darrell Jamieson (Project Superintendent)

Work Day Charge: Day: Reason:

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

Visitors: Andrew Somes (EPA)

Item #	Item Description	Quantity Today	√	Remarks
1	Dredging in Center Square	255 Cubic Yards		Dredging in Center Square completed today.
2	Time related to turbidity curtain work	3 Hours		3.0 hours to move boom and secure along dredge.

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: Report Number:

06:00 Hickey began work at site.
07:30 Dredging began.
07:40 Water quality sampling commenced at background station.
09:45 Dredging complete.
10:08 Water quality sampling complete.
10:30 Survey performed.
11:30 Survey results were good. Hickey de-mobs for day.

Total estimated amount dredged to date: 1,344 Cubic Yards

Note: Turbidity trigger levels not exceeded at 100 meters on first monitoring round. Trigger levels were exceeded on the second monitoring round at 100 meters and sampling was conducted at the turbidity compliance points at the Harbor line. Not exceedances were reported.

Resident Engineer

Project Engineer

Calculations by: Checked by: Construction report No:

Calculations by: Checked by: Construction report No:

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., Aug 14, 2008 **REPORT NO.** 03

WEATHER Sunny **TEMPERATURE** L 65 H 96

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

CHRONOLOGICAL ACCOUNT OF DAY'S WORK:

(07:35 – 10:30) Contractor's working hours while dredging at berth 411 "plus" dredging area.

Contractor parked their derrick and barge overnight at the SE corner of slip 3. After relocating crane to work area at berth 411 "plus" dredge area, installed silt curtain and oil water boom, and began dredging.

Anchor water quality control crew with boat on site.

(10:30) Crane completed loading barge/scow with sediment at berth 411 "plus" dredging area.
Even though crane operator is taking measures when dredging to minimize amount of turbidity by allowing bucket to stabilize at mudline before closing it, bringing it up slowly when full and a silt curtain is in-place around derrick and barge/scow, turbidity crew had an exceedance in the early warning location, went out to compliance area (mouth of slip) and did not receive and exceedance.

Contractor continues to have crew of 2 dressed in Tyvek suits pump out water that is collected inside sediment barge/scow and discharging water into separate concealed barge. The concealed barge with contaminated water will eventually be discharged into Portland's sanitary sewer at berth 408. Currently, as per Hickey's superintendent, this barge has approximately 10,000 gal of waste water in it.

EPA representative (AS) on site monitoring dredging operations .

(10:35) Hickey superintendent informed Port inspector (PGB) that they had completed dredging in berth 411 "plus" work area and berth 414, performed their single beam hydro survey and according to contractor, all finished dredged elevations were all within tolerance.
Dredge crew took their crane/derrick with barges back to their yard in WA, and are scheduled to return to slip 3 starting Mon., 8-18. Silt curtain is tied up and secured in SE corner of slip 3, away from any ship or tug traffic.

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

TESTS PERFORMED: _____

PHONE LOG:

PORT OF PORTLAND

DAILY DIARY

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

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

DAY OF WEEK & DATE: Thurs., Aug 14, 2008 **REPORT NO.** 03

WEATHER Sunny **TEMPERATURE** L 65 H 96

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

INSPECTOR Philipp G. Bales HRS DATE 8-14-8
(signature on hardcopy)

DAILY REPORT OF OPERATIONS – PIPELINE, DIPPER, OR BUCKET OPERATIONS

CONTRACT NO:

TO:	CONTRACTOR	DATE(S)	REPORT NO: 3
P.O.P.	HME	8/14/08	CONTRACT DAY: 3

PROJECT AND BAR	NAME: T-4 Removal Action	AUTHORIZED DIMENSIONS 70 x 70	WIDTH: 70	DEPTH 43.72
	LOCATION (include station no.): 410 - 411 Center Square		OVERDEPTH: 44.72	

DREDGE	NAME AND TYPE: SEA HORSE	SIZE: 135 T	PIPELINE: in. dia. disch.	DIPPER OR BUCKET: 20 cy. cap.
	HORSEPOWER OF 900	DREDGE PUMP:	SUCTION PIPE JET:	CUTTER OR BUCKET:	PROPULSION:

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

CHANNEL CONDITION	AVERAGE DEPTH	BEFORE DREDGING	AFTER DREDGING	MINIMUM SOUNDING	BEFORE DREDGING:	AFTER DREDGING:
		40.2	44.1		38.8	43.7

CHARACTER OF MATERIAL AND PERCENTAGE					
GRAVEL		MUD	70	STONE	
SAND	9	CLAY		HARDPAN	
SILT	20	OTHERS:	1		

WORK PERFORMED		
ITEM	UNIT	QTY
AVERAGE WIDTH OF CUT	FEET	70
TOTAL ADVANCE THIS PERIOD	FEET	20
TOTAL ADVANCE PREVIOUS TO THIS PERIOD	FEET	120
TOTAL ADVANCE TO DATE	FEET	140
FLOATING PIPE:	SHORE PIPE:	
TOTAL LENGTH OF DISCHARGE PIPE	FEET	
AVERAGE LIFT	FEET	
AVERAGE PUMP SPEED	R.P.M.	
AVERAGE DREDGED PER PUMP HOUR, GROSS	CU.YD.	102
SCOWS LOADED	NUMBER	1
AVERAGE LOAD PER SCOW	CU. YD.	255

CUBIC YARDS REMOVED	
AMOUNT DREDGED THIS PERIOD:	
(1) GROSS (computed amount)	255
(2) CREDITED (pay place)	
AMOUNT PREVIOUSLY REPORTED:	
(1) GROSS (computed amount)	1,089
(2) CREDITED (pay place)	
AMOUNT DREDGED TO DATE:	
(1) GROSS (computed amount)	1,344 Chetco
(2) CREDITED (pay place)	Loaded

ATTENDANT PLANT		
ITEM	NAME OR NUMBER	HOURS
Tug	Husky	9
Barge	Chetco	9
Water Barge	Lash Combo	9
Crew / Survey	Piggy	9

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
PUMPING OR DREDGING	2	30
BOOSTER (in line)		
NONE-EFFECTIVE WORKING TIME		
HANDLING PIPE LINES Pump Water	1	
HANDLING ANCHOR LINES		
CLEARING PUMP AND PIPE LINE		
CLEARING CUTTER OR SUCTION HEAD		
WAITING FOR SCOWS		
TO AND FROM WHARF 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		
WAITING FOR BOOSTER		
MINOR OPER. REPAIRS (explain below)		30
WAITING FOR ATTENDANT PLANT		
PREPARATION AND MAKING UP TOW		45
TRANSFERRING PLAN BETWEEN WORKS	1	45
LAY TIME OFF SHIFT AND SATURDAYS		
SUNDAYS AND HOLIDAYS Survey	1	
FIRE DRILL Safety Meeting		15
MISCELLANEOUS (explain below)		
TOTAL NON-EFFECTIVE WORKING TIME	6	30
TOTAL EFFECTIVE AND NON-EFFECTIVE TIME (chargeable to cost of work)	9	00
LOST TIME (chargeable to cost of work)		
MAJOR REPAIRS AND ALTERATIONS		
CESSATION		
COLLISIONS		
MISCELLANEOUS		
TOTAL LOST TIME:		
TOTAL TIME IN PERIOD		

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

TITLE Superintendent

SIGNATURE [signature]

HME
CRANEWORK & DREDGING

DAILY QUALITY CONTROL REPORT

Daily Report No. 3 Date: 8/14/08

Contract No.

Project Title: Terminal 4 Removal Action Location: 410 - 411 squ.

Weather: Clear Temperature: 70 Min. 101 Max

1. Contractor/Subcontractors and Area of Responsibility:

NUMBER	TRADE	HOURS	EMPLOYER	LOCATION/DESCRIPTION OF WORK
6	Dredge	9	HME	410/411 / Dredge - survey

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

Plant/Equipment	Date of Arrival/Departure	Date of Safety Check	Hours Used	Hours Idle	Hours Repair
Sea Horse	8/12 8/14	8/14	2.5	4.5	1
Chetco	8/12 8/14	8/14	9		
Lash Combo	8/12 8/14	8/14	9		
Husky	8/12 8/14	8/14	8		
Piggy	8/12 8/14	8/14	8		

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

Move Dredge back on position to complete center square. Perform Post Dredge survey, Results look good. Prepare

to Tow all equipement to HME yard. HME crew pumps water and prepares loaded chetco for transit to the Dalles. (Post Dredge survey attached)

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

1. Performed all Daily Tests (see Attachment)
2. Daily Bucket Totals Per Hour | 8/12 9 per hr | 8/13 10 per hr | 8/14 13 per hr
3. Barge #1 Totals 1,344 cu yds
   26,808 gallons pumped into Lash Barge

3. Offsite surveillance activities, including action taken:

Final Neat Line Elevation of -43.72 CRD is labled inside of the cell. This was converted by the Port from -42 NGVD

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

1. Performed Daily Safety meeting
2. Discussed staying hydrated when wearing Tyvek
3. Keep area clean - clean (shovel) slow sides

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

To work to improve ME water quality testing we will perform the following B.M.P.s when dredging resumes monday.
1. Close bucket as slow as possible on bottom and do not over fill.
2. Pause before hoisting bucket off of bottom to allow any overage to settle out near bottom

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

8/15/08

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 Removal Action Date 8/14/08

Job No. 2428 Weather

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

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

☐ Manlift ☑ Other SEA HORSE, LASH BARGE, HUSKY

Equipment Safety Checks Performed? Yes / No

Personal Protective Equipment Safety Checks Performed ? Yes / No

Work performed today

06:00 - 6:45	WARM UP - FUEL CRANE - SAFETY MEETING
6:45 - 7:30	MOVE DREDGE to 410-411 CENTER SQUARE
7:30 - 10:00	BEGIN DREDGING
10:00 - 10:30	MOVE DREDGE out OF WAY for SURVEY
10:30 - 11:00	SURVEY
11:00 - 11:30	STANDBY for RESULTS (maint)
11:30 - 12:15	SURVEY All GOOD (MOBE for YARD) (SECURE turbidity Boom)
12:15 - 14:00	FOSS Arrives - Tow to YARD
14:00 - 15:00	Pump WATER

Extra work or delays (authorized by)

Sign

Form #3

T-4/ The Dalles Offload Site
Daily Inspection Checklist

Date 8/14/08

1) Safety Meeting: Agenda: MUD ON SIDES OF CHETCO - Coordination

Attendees:

Derrick SEAHORSE ☑

Derrick Sea Vulture ☐

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

3) Plant Inspection ☑

Deficiencies:	Date	Date Corrected
1. Safety supplies	8/13	8/14
2. Spare wire for Deck winch is too short	8/14	
3. Housekeeping (Keep Bucket pad clean).	8/14	8/14

4) Staff Gage Check ☑

Time	Tideboard	Tide Track
07:00	3.7	3.70
09:35	2.35	2.32

5) Main Fuel Tank Levels ☑

	Port	Starboard
Height	72	NA
Gallons	7200	
Consumption per day	100	

Position Verfication #30

6) Survey Boat ☑

Fuel ☑

Port 3/4

Starboard 3/4

Hull Depth .6

Sound Velocity 4880

Latency .200

Boat

X 7619999.29

Y 713223.08

Control Point

X 7619999.36

Y 713223.37

7) Dredge Material Weight ☑ 105 pounds per cubic foot

8) Dredge Boom Tip Verification

X 7619999.36

Y 713223.38

#30 Control Point X 7619999.36

Y 713223.37

9) Containment and Truck Load Area

Clean ☐ Dust Suppression ☐

Fabric ☐ Spill Plates ☐

10) Lash Barge:

Keep within 2 ft of trim

Draft PB 9' SB 10'10

PS 9' SS 10'4

16,084 gallons

Tank Sounding

#1 12" #3 6"

#2 0 #4 0

11) Baker Tank Level #1 _____ #2 _____

12) De con Stations

Clean ☑

Inventory ☑

13) Dust Suppression

Location Bow Time 8:00 Reading 0.018

Location STERN Time 8:05 Reading 0.033

Location CHEFCO Time 8:10 Reading 0.025

Location Bow Time 10:30 Reading 0.023

Location STERN Time 10:35 Reading 0.027

Location CHEFCO Time 10:40 Reading 0.020

07:00 Background 0.02

HME
CRANEWORK & DREDGING

DREDGE RECORDING FORM

Date: 8/14/08

Project: T-4

Cut / Station	Time	Tide	Port	Center	Starboard	Int.
410/411 & SQUARE						

Load #	Mt Drafts	Loaded Drafts	Time
#1	10^{5} 10 7 6^{7}	10 9^{8} 9^{2} 9^{3}	15:00
DAY 3	8.5 MT AVE	9.575 LD AVE	
LOAD Completed			
LASH BARGE	9^{10} 9^{10} 10^{8} 10^{8}	9^{3} 9^{1} 10^{10} 10^{11}	
DAY 3	406 TONS	466 TONS	
Totals	60 TONS x 35.84 = 2,150 x	7.481 16,084 gallons	
CHETCO	MT 6.75 FREEBOARD 2,535 TON		
DAY 3 Totals	LD 5.675 FREEBOARD 2.895 TONS	360 TONS ÷ 1.41 = 255 cu yds	

1,344 TOTAL YARDS ON CHETCO

N 713223.37
E 7619999.36
verification
09:53:44

Dredge T

7620000.13	713220.64	0.00	56.38	19.00	17.00	35014
7620020.08	713194.95	0.00	67.27	19.00	17.00	34753
7620011.40	713207.99	0.00	62.03	19.00	17.00	34362
7620014.04	713193.25	0.00	67.12	19.00	17.00	34103
7619990.83	713214.91	0.00	55.88	19.00	17.00	33667
7619997.87	713200.86	0.00	61.89	19.00	17.00	33389
7620002.25	713188.36	0.00	67.01	19.00	17.00	32309
7620031.27	713181.03	0.00	71.78	19.00	17.00	29380
7620018.10	713177.36	0.00	72.92	19.00	17.00	28588
7620031.62	713165.47	0.00	78.08	19.00	17.00	28212
7620043.65	713170.03	0.00	77.83	19.00	17.00	27788

T4-PI-08

33

38_9
39
39_2
39_4
39_6
40
43_5
44_2
44_3
44_3
42_5
40_9
40_5
40_2
40_1
40_2
39_9
39_8
40

38_6 38_5
38_8 38_1
39
38_5 38_3
39_8 43_8
42_2 44_6
44_2 44_5
44_4 44_7
44_6
44_4
44_6
44_3 44_3
44_3 44_3
44_5 44_5
44_7 44_2
44_5
44_6
44_5 44_5
44_7 44_6
44_2
44_4
42_9
41_1 44_6
44_4
40_3

32

38_9
43_2
44_3
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44_3
44_4
43_1

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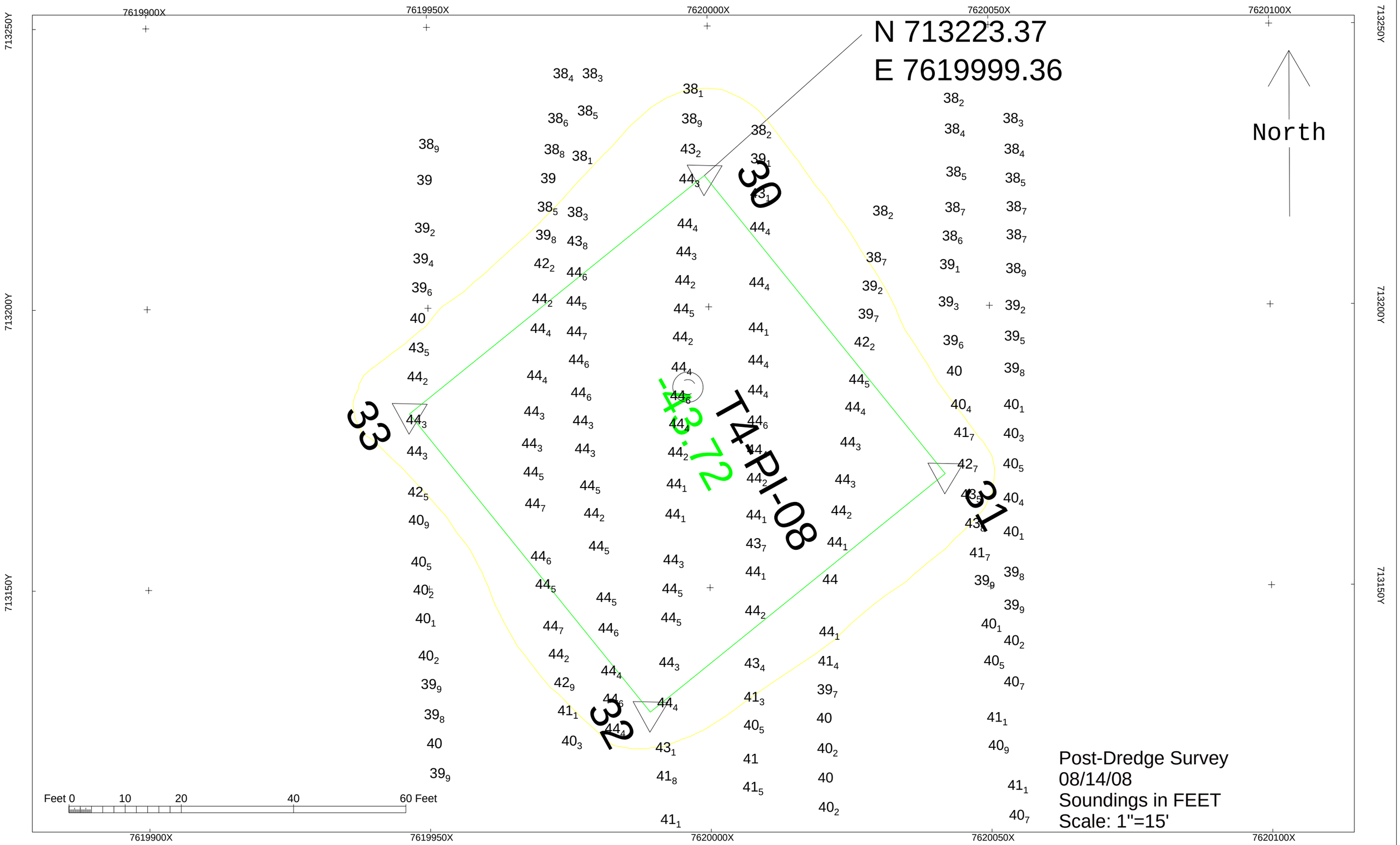
38_2
39_1
43_1
44_4
44_4
44_1
44_4
44_4
44_6
44_2
44_1
43_7
44_1
44_2
43_4
41_3
40_5
41

38_2
38_7
39_2
39_7
42_2
44_5
44_4
44_3
44_3
44_2
44_1
44
44_1
41_4
39_7
40
40_2

38_4 38_3
38_4
38_5 38_5
38_7 38_7
38_6 38_7
39_1 38_9
39_3 39_2
39_6 39_5
40 39_8
40_4 40_1
41_7 40_3
42_7 40_5
43_5 40_4
43_8 40_1
41_7
39_9 39_8
39_9
40_1
40_2
40_5
40_7
41_1
40_9

37

Post-Dredge


7619900X
7619950X
7620000X
7620050X
7620100X
713250Y
713200Y
713150Y
N 713223.37
E 7619999.36
North
30
31
32
33
T4-PI-08
43.72
Feet 0
10
20
40
60 Feet
Post-Dredge Survey
08/14/08
Soundings in FEET
Scale: 1"=15'

ATTACHMENT B

DAILY CONSTRUCTION MONITORING REPORTS FOR WHEELER BAY

PORT OF PORTLAND

DAILY DIARY

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

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

DAY OF WEEK & DATE: Mon., Aug 11, 2008 **REPORT NO.** 05

WEATHER Sunny **TEMPERATURE** 59L 84H

NUMBER/CLASS OF CONTRACTOR'S PERSONNEL:

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

MGS:
Surveyor's: Crew 2

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

Kamatsu HM 30 (Off Road Dump Truck)
Kamatsu PC 300 (Trac-hoe)
International Water Truck (4000gal)
Case 580L (Backhoe-Rental)
Bomag BW177 DH-3 (Single Steel Roller- Rental)
John Deere 450J (Small Dozer-Rental)

CHRONOLOGICAL ACCOUNT OF DAY'S WORK:

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

Envirocon crew on site and continue to clear and grub down to elevation 12, from sta. 0+00 to sta 7+30.

PC300 and JD 450J continues to strip, clear and grub top of slope/bank from sta 0+00 to approx. 7+00, loading HM30 and stockpiling debris at sta. 0+50 to 2+00.

PC 300 built access roadway for HM30, at approx. sta. 3+00, down to elevation 12, and loading HM30 with LWD, a/c and concrete debris and hauling to top of bank. Several LWD are rotten and HM30 when loaded with this debris is stockpiling at sta. 0+50 to sta. 1+50. If LWD is still in good shape, HM30 taking this debris and stockpiling next to contractor's connex trailer.

Contractor's surveyor's (MGS) on site establishing control using Port TBM's located on pier 2 (TBM#60) and on Kinder/Morgan berth 410 (TBM#63). Crew laying out slope stakes, stations, etc...
Contractor's crews stopped at 15:30 today to allow surveyor's with layout of control.

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

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

TESTS PERFORMED: _____

PHONE LOG:

SITE PHOTOS/VIDEOS TAKEN:

FORCE ACCOUNT WORK/ CHANGES ENCOUNTERED:

PORT OF PORTLAND

DAILY DIARY

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

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

DAY OF WEEK & DATE: Mon., Aug 11, 2008 **REPORT NO.** 05

WEATHER Sunny **TEMPERATURE** 59L 84H

INSPECTOR Philipp G. Bales HRS DATE 8-11-8

(signature on hardcopy)

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

PROJECT NUMBER	1066-04		
FIELD REPORT NUMBER	5		
PAGE	1	OF	2
DATE	8/11/2008		

PROJECT	Wheeler Bay Stabilization	ARRIVAL TIME	700
LOCATION	Terminal 4	DEPARTURE TIME	1615
CLIENT	Port of Portland	WEATHER	clear, 85 W 5 knots
PURPOSE OF OBSERVATIONS	Field Oversight		
ASH CREEK REPRESENTATIVE	D. Urquhart	ASH CREEK PROJECT MANAGER	H. Clough
SUBCONTRACTOR	Envirocon	SUBCONTRACTOR REP.	George Lotze

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

DAILY INSPECTION LOG:

Construction Element	MEETS INSPECTION CRITERIA			SEE ENVIROCON REPORT	SEE BELOW
	YES	NO	NA		
Site Preparation					
Erosion Control Installation			X		
Clearing and Grubbing	X			X	
Load Out Excess Cut			X		
Debris Clear of Excess Soil			X		
Shoreline Stabilization					
Sub-grade Cut and Fill			X		
Demarcation Layer			X		
Select Fill			X		
Armor Type 3			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:					

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PROJECT NUMBER	1066-04		
FIELD REPORT NUMBER	5		
PAGE	2	OF	2
DATE	8/11/2008		

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		

COMMENTS:

BY

D. 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: 86 | Site Conditions: dry
Min Temp: 60 | Winds: light
Precipitation: none

Report Information.:

Date: 8/11/2008
Week Day: Monday
Shift: 7AM- 3:30

Report Prepared By:

Personnel	WBS Task	Hours	Start	Finish	Equip	No.	Run	Stdby	WBS Task Code	Comments
KEVIN GEORGE		8	7:00	3:30	PC300 EXC.	Modern	8			Clear and grub
WES JENSEN		8	7:00	3:30	HM300 ARTIC	Modern	8			Clear and grub
GEORGE LOTZE		12	7:00	7:30	BOMAG ROLLER	United	0			
RICK MARTIN		10	7:00	5:30	JD450 DOZER	United	6			Shoreline straightening
MIKE MCCOY		9	7:00	4:30	PC200 EXC.	3366	0			Onsite at noon
MATTHEW PATCHING		8	7:00	3:30	WATER TRUCK	United	8			Dust control
SKIP SIMPSON					JD310 BACKHOE	1196	2			Unload materials
SUZANNE STARKEY										

DESCRIPTION OF WORK (detail below):

Continued clear and grub. Dust control. Work with dozer on shoreline. Survey for pre-constrution. Layout stations for subgrade excavation.

Surveyors onsite at 7:45am. Offsite at Noon. PC200 #3366 delivered to site at Noon. Demarcation layer delivered to site at 10:00am.

<<<< 10 loads debris, 1 load concrete, 1 load LWD to stockpiles. >>>>

<< water meter read = 107.7c/m >>

DOWNTIME OR DELAYS:

MATERIAL PLACED:

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

COMMENTS (Material Delivered-Removed/Qty.):

Demarcation layer delivered.

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:

Air Monitor Results CRZ (8-11-08)

"Model Number", "DataRAM 4 ", 106
"Serial no. ", "D199   "
"Device no. ", 1
"Tag Number ", 1
"Start Time ", 12:12:39
"Start Date ", 11-Aug-2008
"Log Period ", 00:01:00
"Number   ", 288
"CalFactor   ", 1.000000
"Unit   ", 0
"Unit Name   ", "(MASS)ug/m3"
"SIZE_CORRECT", "DISABLED"
"TEMPUNITS   ", C
"Max MASS   ", 55.219040
"Max MASS @ ", 25 ,12:37:39 ,11-Aug-2008
"Avg MASS   ", 6.887201
"Max Diam   ", 2.255776
"Max Diam @ ", 245 ,16:17:39 ,11-Aug-2008
"Avg Diam   ", 0.542352
"ALARM   ", "DISABLED"
"ALARM_LEVEL ", 0.0
"AUTO_ZERO   ", "DISABLED"
"AZ INTERVAL ", 10
"Errors   ", 0000

record	"(MASS)ug/m3"	Temp	RHumidity	Diameter		
1	17.6	31.7	47	0.4435	,12:13:39	,11-Aug-2008
2	5.5	31.9	45	0.3673	,12:14:39	,11-Aug-2008
3	5.0	32.1	44	0.3511	,12:15:39	,11-Aug-2008
4	4.4	32.3	43	0.3494	,12:16:39	,11-Aug-2008
5	5.5	32.6	43	0.4175	,12:17:39	,11-Aug-2008
6	5.3	32.8	42	0.3916	,12:18:39	,11-Aug-2008
7	6.4	33.0	42	0.4567	,12:19:39	,11-Aug-2008
8	5.7	33.2	42	0.4829	,12:20:39	,11-Aug-2008
9	19.2	33.5	41	1.0681	,12:21:39	,11-Aug-2008
10	5.9	33.7	41	0.6799	,12:22:39	,11-Aug-2008
11	10.2	33.9	40	0.6834	,12:23:39	,11-Aug-2008
12	6.3	34.1	40	0.5848	,12:24:39	,11-Aug-2008
13	5.3	34.4	39	0.4694	,12:25:39	,11-Aug-2008
14	5.9	34.6	39	0.6080	,12:26:39	,11-Aug-2008
15	7.1	34.8	39	0.6868	,12:27:39	,11-Aug-2008
16	7.6	35.1	38	0.6986	,12:28:39	,11-Aug-2008
17	5.7	35.2	38	0.5726	,12:29:39	,11-Aug-2008
18	7.1	35.5	38	0.5817	,12:30:39	,11-Aug-2008
19	6.2	35.6	37	0.5470	,12:31:39	,11-Aug-2008
20	6.7	35.8	37	0.6179	,12:32:39	,11-Aug-2008
21	6.7	36.0	37	0.5386	,12:33:39	,11-Aug-2008
22	5.7	36.2	36	0.4370	,12:34:39	,11-Aug-2008
23	7.5	36.4	36	0.8161	,12:35:39	,11-Aug-2008
24	22.6	36.6	36	1.2470	,12:36:39	,11-Aug-2008
25	55.2	36.8	36	1.1480	,12:37:39	,11-Aug-2008
26	9.0	37.0	35	1.2475	,12:38:39	,11-Aug-2008
27	5.5	37.2	35	0.5007	,12:39:39	,11-Aug-2008
28	5.2	37.4	35	0.4641	,12:40:39	,11-Aug-2008
29	6.0	37.5	35	0.6964	,12:41:39	,11-Aug-2008
30	5.2	37.7	34	0.4564	,12:42:39	,11-Aug-2008
31	4.3	37.9	34	0.3910	,12:43:39	,11-Aug-2008
32	5.6	38.0	34	0.4128	,12:44:39	,11-Aug-2008
33	5.8	38.2	34	0.6656	,12:45:39	,11-Aug-2008
34	12.1	38.3	33	0.7218	,12:46:39	,11-Aug-2008
35	6.9	38.5	33	0.5744	,12:47:39	,11-Aug-2008
36	7.9	38.6	33	0.7986	,12:48:39	,11-Aug-2008
37	4.1	38.7	33	0.4414	,12:49:39	,11-Aug-2008
38	5.1	38.9	32	0.4032	,12:50:39	,11-Aug-2008

39,	3.9,	39.0,	32,	0.3878	,12:51:39	,11-Aug-2008
40,	3.3,	39.2,	32,	0.3604	,12:52:39	,11-Aug-2008
41,	3.5,	39.3,	32,	0.4020	,12:53:39	,11-Aug-2008
42,	4.7,	39.4,	32,	0.3927	,12:54:39	,11-Aug-2008
43,	4.0,	39.6,	31,	0.3930	,12:55:39	,11-Aug-2008
44,	3.6,	39.7,	31,	0.3714	,12:56:39	,11-Aug-2008
45,	12.8,	39.8,	31,	0.8253	,12:57:39	,11-Aug-2008
46,	19.7,	39.9,	30,	0.9020	,12:58:39	,11-Aug-2008
47,	5.9,	40.0,	30,	0.4850	,12:59:39	,11-Aug-2008
48,	4.1,	40.1,	30,	0.4806	,13:00:39	,11-Aug-2008
49,	5.6,	40.2,	30,	0.8491	,13:01:39	,11-Aug-2008
50,	4.0,	40.3,	30,	0.6255	,13:02:39	,11-Aug-2008
51,	2.9,	40.4,	30,	0.4174	,13:03:39	,11-Aug-2008
52,	2.5,	40.4,	29,	0.3877	,13:04:39	,11-Aug-2008
53,	3.1,	40.5,	30,	0.4134	,13:05:39	,11-Aug-2008
54,	3.1,	40.6,	29,	0.4055	,13:06:39	,11-Aug-2008
55,	3.2,	40.7,	29,	0.4218	,13:07:39	,11-Aug-2008
56,	1.8,	40.8,	29,	0.4075	,13:08:39	,11-Aug-2008
57,	2.5,	40.8,	29,	0.4636	,13:09:39	,11-Aug-2008
58,	2.3,	40.9,	29,	0.4532	,13:10:39	,11-Aug-2008
59,	2.5,	41.0,	29,	0.4649	,13:11:39	,11-Aug-2008
60,	2.1,	41.0,	29,	0.4444	,13:12:39	,11-Aug-2008
61,	3.1,	41.1,	29,	0.4845	,13:13:39	,11-Aug-2008
62,	4.2,	41.2,	28,	0.5824	,13:14:39	,11-Aug-2008
63,	2.5,	41.3,	28,	0.4649	,13:15:39	,11-Aug-2008
64,	4.4,	41.3,	28,	0.5976	,13:16:39	,11-Aug-2008
65,	5.0,	41.4,	28,	0.6061	,13:17:39	,11-Aug-2008
66,	2.5,	41.4,	28,	0.4268	,13:18:39	,11-Aug-2008
67,	2.7,	41.5,	28,	0.4180	,13:19:39	,11-Aug-2008
68,	2.7,	41.5,	28,	0.3770	,13:20:39	,11-Aug-2008
69,	7.6,	41.5,	28,	0.4226	,13:21:39	,11-Aug-2008
70,	7.6,	41.5,	28,	0.4865	,13:22:39	,11-Aug-2008
71,	5.5,	41.5,	27,	0.5110	,13:23:39	,11-Aug-2008
72,	3.8,	41.6,	27,	0.5487	,13:24:39	,11-Aug-2008
73,	5.5,	41.6,	27,	0.5344	,13:25:39	,11-Aug-2008
74,	6.6,	41.6,	27,	0.4684	,13:26:39	,11-Aug-2008
75,	9.7,	41.6,	27,	0.6054	,13:27:39	,11-Aug-2008
76,	9.5,	41.6,	27,	0.6202	,13:28:39	,11-Aug-2008
77,	4.4,	41.6,	26,	0.7060	,13:29:39	,11-Aug-2008
78,	4.6,	41.6,	26,	0.6377	,13:30:39	,11-Aug-2008
79,	4.8,	41.6,	26,	0.6025	,13:31:39	,11-Aug-2008
80,	5.0,	41.6,	26,	0.5397	,13:32:39	,11-Aug-2008
81,	4.7,	41.5,	26,	0.6783	,13:33:39	,11-Aug-2008
82,	3.5,	41.6,	27,	0.6247	,13:34:39	,11-Aug-2008
83,	4.3,	41.5,	26,	0.7925	,13:35:39	,11-Aug-2008
84,	5.4,	41.5,	26,	0.5961	,13:36:39	,11-Aug-2008
85,	7.8,	41.5,	26,	0.7189	,13:37:39	,11-Aug-2008
86,	21.1,	41.6,	26,	0.8602	,13:38:39	,11-Aug-2008
87,	8.1,	41.6,	27,	0.6901	,13:39:39	,11-Aug-2008
88,	14.2,	41.6,	27,	0.5881	,13:40:39	,11-Aug-2008
89,	4.1,	41.6,	27,	0.4520	,13:41:39	,11-Aug-2008
90,	10.9,	41.6,	27,	0.8035	,13:42:39	,11-Aug-2008
91,	3.1,	41.7,	27,	0.3769	,13:43:39	,11-Aug-2008
92,	5.4,	41.7,	27,	0.5194	,13:44:39	,11-Aug-2008
93,	4.0,	41.8,	27,	0.5395	,13:45:39	,11-Aug-2008
94,	3.6,	41.8,	27,	0.3852	,13:46:39	,11-Aug-2008
95,	3.2,	41.9,	27,	0.3622	,13:47:39	,11-Aug-2008
96,	2.7,	41.9,	27,	0.3546	,13:48:39	,11-Aug-2008
97,	3.2,	42.0,	27,	0.3456	,13:49:39	,11-Aug-2008
98,	10.8,	42.0,	27,	0.9800	,13:50:39	,11-Aug-2008
99,	6.5,	42.0,	26,	0.6427	,13:51:39	,11-Aug-2008
100,	7.9,	42.0,	26,	0.5526	,13:52:39	,11-Aug-2008
101,	9.0,	41.9,	26,	0.4428	,13:53:39	,11-Aug-2008

102,	6.1,	41.9,	26,	0.3666	,13:54:39	,11-Aug-2008
103,	8.3,	41.9,	26,	0.3330	,13:55:39	,11-Aug-2008
104,	5.0,	41.9,	26,	0.4305	,13:56:39	,11-Aug-2008
105,	2.9,	41.8,	26,	0.3901	,13:57:39	,11-Aug-2008
106,	2.6,	41.8,	26,	0.3352	,13:58:39	,11-Aug-2008
107,	2.9,	41.8,	26,	0.3549	,13:59:39	,11-Aug-2008
108,	5.9,	41.9,	26,	0.4472	,14:00:39	,11-Aug-2008
109,	4.6,	41.9,	26,	0.4569	,14:01:39	,11-Aug-2008
110,	5.6,	41.9,	26,	0.4254	,14:02:39	,11-Aug-2008
111,	6.3,	42.0,	27,	0.4171	,14:03:39	,11-Aug-2008
112,	8.0,	42.0,	27,	0.4438	,14:04:39	,11-Aug-2008
113,	9.1,	42.0,	26,	0.4929	,14:05:39	,11-Aug-2008
114,	8.4,	42.0,	26,	0.7151	,14:06:39	,11-Aug-2008
115,	13.2,	42.0,	26,	0.9614	,14:07:39	,11-Aug-2008
116,	9.6,	42.0,	26,	0.6564	,14:08:39	,11-Aug-2008
117,	7.1,	42.0,	26,	0.6491	,14:09:39	,11-Aug-2008
118,	6.2,	42.0,	25,	0.6839	,14:10:39	,11-Aug-2008
119,	18.1,	42.0,	25,	1.6357	,14:11:39	,11-Aug-2008
120,	10.9,	42.0,	25,	1.2888	,14:12:39	,11-Aug-2008
121,	7.1,	41.9,	25,	0.9097	,14:13:39	,11-Aug-2008
122,	9.6,	41.9,	25,	0.6824	,14:14:39	,11-Aug-2008
123,	6.9,	41.9,	25,	0.5034	,14:15:39	,11-Aug-2008
124,	4.3,	41.8,	25,	0.4502	,14:16:39	,11-Aug-2008
125,	4.4,	41.8,	26,	0.3860	,14:17:39	,11-Aug-2008
126,	4.4,	41.9,	26,	0.3903	,14:18:39	,11-Aug-2008
127,	4.6,	41.8,	26,	0.4328	,14:19:39	,11-Aug-2008
128,	7.6,	41.8,	26,	0.4249	,14:20:39	,11-Aug-2008
129,	7.4,	41.8,	26,	0.4197	,14:21:39	,11-Aug-2008
130,	4.4,	41.8,	26,	0.3755	,14:22:39	,11-Aug-2008
131,	3.5,	41.9,	26,	0.3172	,14:23:39	,11-Aug-2008
132,	3.2,	41.9,	26,	0.3219	,14:24:39	,11-Aug-2008
133,	6.5,	42.0,	26,	0.3757	,14:25:39	,11-Aug-2008
134,	25.4,	42.0,	26,	0.4628	,14:26:39	,11-Aug-2008
135,	9.9,	42.0,	26,	0.4193	,14:27:39	,11-Aug-2008
136,	10.3,	42.1,	26,	0.6450	,14:28:39	,11-Aug-2008
137,	5.5,	42.1,	26,	0.4112	,14:29:39	,11-Aug-2008
138,	8.2,	42.1,	26,	0.4052	,14:30:39	,11-Aug-2008
139,	14.8,	42.1,	26,	1.1464	,14:31:39	,11-Aug-2008
140,	5.5,	42.1,	26,	0.5512	,14:32:39	,11-Aug-2008
141,	7.2,	42.1,	26,	0.7588	,14:33:39	,11-Aug-2008
142,	10.7,	42.1,	26,	0.8866	,14:34:39	,11-Aug-2008
143,	5.3,	42.2,	26,	0.5002	,14:35:39	,11-Aug-2008
144,	5.1,	42.2,	26,	0.5340	,14:36:39	,11-Aug-2008
145,	4.6,	42.2,	26,	0.5199	,14:37:39	,11-Aug-2008
146,	4.8,	42.2,	26,	0.4244	,14:38:39	,11-Aug-2008
147,	4.9,	42.2,	26,	0.5470	,14:39:39	,11-Aug-2008
148,	3.7,	42.3,	26,	0.4206	,14:40:39	,11-Aug-2008
149,	4.1,	42.3,	26,	0.4988	,14:41:39	,11-Aug-2008
150,	5.6,	42.3,	25,	0.4938	,14:42:39	,11-Aug-2008
151,	3.1,	42.3,	26,	0.4353	,14:43:39	,11-Aug-2008
152,	4.2,	42.3,	26,	0.6005	,14:44:39	,11-Aug-2008
153,	6.4,	42.3,	26,	0.7154	,14:45:39	,11-Aug-2008
154,	15.2,	42.4,	26,	1.6606	,14:46:39	,11-Aug-2008
155,	13.2,	42.4,	25,	1.3828	,14:47:39	,11-Aug-2008
156,	11.3,	42.4,	25,	0.7833	,14:48:39	,11-Aug-2008
157,	11.3,	42.4,	26,	0.7152	,14:49:39	,11-Aug-2008
158,	4.8,	42.4,	25,	0.4943	,14:50:39	,11-Aug-2008
159,	2.7,	42.4,	26,	0.3793	,14:51:39	,11-Aug-2008
160,	2.9,	42.4,	26,	0.3571	,14:52:39	,11-Aug-2008
161,	13.6,	42.4,	26,	0.3593	,14:53:39	,11-Aug-2008
162,	4.9,	42.5,	26,	0.3319	,14:54:39	,11-Aug-2008
163,	3.0,	42.5,	26,	0.3682	,14:55:39	,11-Aug-2008
164,	2.7,	42.5,	26,	0.3626	,14:56:39	,11-Aug-2008

165,	2.4,	42.5,	26,	0.3597	,14:57:39	,11-Aug-2008
166,	4.2,	42.6,	26,	0.4443	,14:58:39	,11-Aug-2008
167,	6.3,	42.6,	26,	0.5668	,14:59:39	,11-Aug-2008
168,	5.6,	42.6,	25,	0.4218	,15:00:39	,11-Aug-2008
169,	7.2,	42.6,	25,	0.4068	,15:01:39	,11-Aug-2008
170,	4.9,	42.7,	25,	0.3098	,15:02:39	,11-Aug-2008
171,	8.7,	42.7,	25,	0.4068	,15:03:39	,11-Aug-2008
172,	6.7,	42.7,	25,	0.4855	,15:04:39	,11-Aug-2008
173,	3.3,	42.7,	25,	0.4035	,15:05:39	,11-Aug-2008
174,	3.4,	42.7,	25,	0.4422	,15:06:39	,11-Aug-2008
175,	3.6,	42.7,	25,	0.5347	,15:07:39	,11-Aug-2008
176,	4.5,	42.7,	25,	0.5599	,15:08:39	,11-Aug-2008
177,	4.2,	42.7,	25,	0.4617	,15:09:39	,11-Aug-2008
178,	6.9,	42.7,	25,	0.6569	,15:10:39	,11-Aug-2008
179,	3.9,	42.8,	25,	0.3933	,15:11:39	,11-Aug-2008
180,	3.2,	42.8,	25,	0.3859	,15:12:39	,11-Aug-2008
181,	2.9,	42.8,	25,	0.3741	,15:13:39	,11-Aug-2008
182,	3.3,	42.8,	25,	0.3892	,15:14:39	,11-Aug-2008
183,	3.6,	42.9,	25,	0.3978	,15:15:39	,11-Aug-2008
184,	7.9,	42.8,	25,	0.6151	,15:16:39	,11-Aug-2008
185,	10.2,	42.9,	25,	1.0401	,15:17:39	,11-Aug-2008
186,	4.8,	42.9,	25,	0.4573	,15:18:39	,11-Aug-2008
187,	6.8,	42.9,	25,	0.5753	,15:19:39	,11-Aug-2008
188,	3.5,	43.0,	25,	0.4719	,15:20:39	,11-Aug-2008
189,	3.4,	43.0,	25,	0.4027	,15:21:39	,11-Aug-2008
190,	3.7,	43.0,	26,	0.4138	,15:22:39	,11-Aug-2008
191,	3.0,	43.0,	25,	0.3971	,15:23:39	,11-Aug-2008
192,	2.9,	43.0,	25,	0.3946	,15:24:39	,11-Aug-2008
193,	3.8,	43.0,	25,	0.3881	,15:25:39	,11-Aug-2008
194,	3.8,	43.0,	25,	0.3836	,15:26:39	,11-Aug-2008
195,	3.7,	43.0,	24,	0.3776	,15:27:39	,11-Aug-2008
196,	3.1,	43.0,	25,	0.3754	,15:28:39	,11-Aug-2008
197,	4.3,	43.0,	25,	0.4595	,15:29:39	,11-Aug-2008
198,	4.4,	43.1,	25,	0.4785	,15:30:39	,11-Aug-2008
199,	3.9,	43.1,	25,	0.4959	,15:31:39	,11-Aug-2008
200,	5.2,	43.1,	25,	0.5227	,15:32:39	,11-Aug-2008
201,	4.5,	43.1,	25,	0.3925	,15:33:39	,11-Aug-2008
202,	4.2,	43.2,	24,	0.4439	,15:34:39	,11-Aug-2008
203,	5.5,	43.2,	24,	0.5704	,15:35:39	,11-Aug-2008
204,	4.1,	43.2,	24,	0.4322	,15:36:39	,11-Aug-2008
205,	3.5,	43.2,	24,	0.3507	,15:37:39	,11-Aug-2008
206,	3.6,	43.2,	25,	0.3233	,15:38:39	,11-Aug-2008
207,	4.3,	43.2,	25,	0.2879	,15:39:39	,11-Aug-2008
208,	4.3,	43.2,	25,	0.3324	,15:40:39	,11-Aug-2008
209,	4.8,	43.2,	25,	0.4635	,15:41:39	,11-Aug-2008
210,	6.0,	43.2,	24,	0.4072	,15:42:39	,11-Aug-2008
211,	5.1,	43.3,	24,	0.3716	,15:43:39	,11-Aug-2008
212,	6.1,	43.3,	24,	0.4788	,15:44:39	,11-Aug-2008
213,	4.7,	43.3,	24,	0.4465	,15:45:39	,11-Aug-2008
214,	4.4,	43.3,	24,	0.5038	,15:46:39	,11-Aug-2008
215,	8.1,	43.3,	24,	0.7963	,15:47:39	,11-Aug-2008
216,	5.1,	43.3,	24,	0.4336	,15:48:39	,11-Aug-2008
217,	10.5,	43.3,	24,	0.5035	,15:49:39	,11-Aug-2008
218,	9.8,	43.3,	24,	0.6245	,15:50:39	,11-Aug-2008
219,	5.7,	43.3,	24,	0.4825	,15:51:39	,11-Aug-2008
220,	7.7,	43.2,	24,	0.5537	,15:52:39	,11-Aug-2008
221,	6.3,	43.2,	23,	0.4708	,15:53:39	,11-Aug-2008
222,	6.8,	43.1,	23,	0.4020	,15:54:39	,11-Aug-2008
223,	10.7,	43.1,	23,	0.8780	,15:55:39	,11-Aug-2008
224,	7.2,	43.1,	24,	0.5769	,15:56:39	,11-Aug-2008
225,	3.8,	43.0,	24,	0.3648	,15:57:39	,11-Aug-2008
226,	3.8,	43.0,	24,	0.3840	,15:58:39	,11-Aug-2008
227,	3.2,	43.1,	24,	0.3811	,15:59:39	,11-Aug-2008

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228,	3.4,	43.1,	24,	0.3583	,16:00:39	,11-Aug-2008
229,	5.4,	43.0,	24,	0.4638	,16:01:39	,11-Aug-2008
230,	5.4,	43.0,	24,	0.4684	,16:02:39	,11-Aug-2008
231,	7.2,	43.0,	24,	0.4208	,16:03:39	,11-Aug-2008
232,	5.9,	43.0,	24,	0.3816	,16:04:39	,11-Aug-2008
233,	7.4,	43.0,	24,	0.5303	,16:05:39	,11-Aug-2008
234,	4.2,	43.0,	24,	0.4019	,16:06:39	,11-Aug-2008
235,	4.2,	43.0,	24,	0.4141	,16:07:39	,11-Aug-2008
236,	4.1,	43.0,	24,	0.3704	,16:08:39	,11-Aug-2008
237,	5.4,	42.9,	24,	0.4985	,16:09:39	,11-Aug-2008
238,	5.0,	42.9,	24,	0.4678	,16:10:39	,11-Aug-2008
239,	4.4,	42.9,	24,	0.4656	,16:11:39	,11-Aug-2008
240,	8.6,	42.9,	24,	0.6763	,16:12:39	,11-Aug-2008
241,	10.5,	42.9,	24,	0.7317	,16:13:39	,11-Aug-2008
242,	8.3,	42.9,	24,	0.5653	,16:14:39	,11-Aug-2008
243,	6.7,	42.8,	23,	0.6061	,16:15:39	,11-Aug-2008
244,	10.0,	42.8,	23,	0.8336	,16:16:39	,11-Aug-2008
245,	14.3,	42.7,	23,	2.2558	,16:17:39	,11-Aug-2008
246,	10.7,	42.7,	23,	0.6673	,16:18:39	,11-Aug-2008
247,	11.2,	42.6,	23,	0.8342	,16:19:39	,11-Aug-2008
248,	9.8,	42.6,	23,	0.7162	,16:20:39	,11-Aug-2008
249,	6.7,	42.5,	23,	0.6318	,16:21:39	,11-Aug-2008
250,	7.8,	42.5,	24,	0.5213	,16:22:39	,11-Aug-2008
251,	19.2,	42.4,	24,	1.2070	,16:23:39	,11-Aug-2008
252,	7.2,	42.4,	24,	0.9542	,16:24:39	,11-Aug-2008
253,	4.6,	42.3,	24,	0.3722	,16:25:39	,11-Aug-2008
254,	3.9,	42.3,	24,	0.3451	,16:26:39	,11-Aug-2008
255,	18.5,	42.3,	24,	1.1114	,16:27:39	,11-Aug-2008
256,	7.9,	42.3,	24,	0.4650	,16:28:39	,11-Aug-2008
257,	3.7,	42.2,	24,	0.3851	,16:29:39	,11-Aug-2008
258,	35.2,	42.2,	24,	0.5223	,16:30:39	,11-Aug-2008
259,	4.6,	42.2,	24,	0.5114	,16:31:39	,11-Aug-2008
260,	8.6,	42.2,	24,	0.7456	,16:32:39	,11-Aug-2008
261,	12.7,	42.2,	24,	0.6671	,16:33:39	,11-Aug-2008
262,	38.5,	42.2,	24,	0.5897	,16:34:39	,11-Aug-2008
263,	9.1,	42.1,	24,	0.4980	,16:35:39	,11-Aug-2008
264,	19.0,	42.1,	24,	0.4216	,16:36:39	,11-Aug-2008
265,	9.3,	42.1,	24,	0.4254	,16:37:39	,11-Aug-2008
266,	19.1,	42.1,	24,	0.7077	,16:38:39	,11-Aug-2008
267,	15.2,	42.0,	24,	0.4162	,16:39:39	,11-Aug-2008
268,	13.8,	42.0,	24,	0.3381	,16:40:39	,11-Aug-2008
269,	8.7,	42.0,	24,	0.3386	,16:41:39	,11-Aug-2008
270,	3.6,	42.0,	24,	0.3661	,16:42:39	,11-Aug-2008
271,	6.1,	41.9,	24,	0.5318	,16:43:39	,11-Aug-2008
272,	6.2,	41.9,	24,	0.4840	,16:44:39	,11-Aug-2008
273,	5.1,	41.9,	24,	0.4969	,16:45:39	,11-Aug-2008
274,	5.8,	41.8,	24,	0.4831	,16:46:39	,11-Aug-2008
275,	4.1,	41.8,	24,	0.4130	,16:47:39	,11-Aug-2008
276,	7.9,	41.7,	24,	0.4650	,16:48:39	,11-Aug-2008
277,	10.1,	41.7,	24,	0.4218	,16:49:39	,11-Aug-2008
278,	3.8,	41.6,	24,	0.4175	,16:50:39	,11-Aug-2008
279,	7.9,	41.6,	24,	0.6842	,16:51:39	,11-Aug-2008
280,	8.1,	41.6,	24,	0.3798	,16:52:39	,11-Aug-2008
281,	4.9,	41.6,	25,	0.3905	,16:53:39	,11-Aug-2008
282,	3.8,	41.6,	25,	0.3807	,16:54:39	,11-Aug-2008
283,	4.3,	41.6,	25,	0.3952	,16:55:39	,11-Aug-2008
284,	4.6,	41.6,	25,	0.4144	,16:56:39	,11-Aug-2008
285,	5.5,	41.6,	24,	0.3631	,16:57:39	,11-Aug-2008
286,	5.8,	41.5,	25,	0.4676	,16:58:39	,11-Aug-2008
287,	7.8,	41.5,	25,	0.6352	,16:59:39	,11-Aug-2008
288,	6.7,	41.5,	24,	0.6346	,17:00:39	,11-Aug-2008

Air Monitor Results East (8-11-08)

"Model Number", "DataRAM 4 ", 106
"Serial no. ", "D630   "
"Device no. ", 1
"Tag Number ", 11
"Start Time ", 11:39:07
"Start Date ", 11-Aug-2008
"Log Period ", 00:01:00
"Number   ", 327
"CalFactor   ", 1.000000
"Unit   ", 0
"Unit Name   ", "(MASS)ug/m3"
"SIZE_CORRECT", "DISABLED"
"TEMPUNITS   ", C
"Max MASS   ", 65.078620
"Max MASS @ ", 181 ,14:40:07 ,11-Aug-2008
"Avg MASS   ", 5.506029
"Max Diam   ", 3.641443
"Max Diam @ ", 291 ,16:30:07 ,11-Aug-2008
"Avg Diam   ", 0.947846
"ALARM   ", "DISABLED"
"ALARM_LEVEL ", 0.0
"AUTO_ZERO   ", "DISABLED"
"AZ INTERVAL ", 10
"Errors   ", 0000

record	"(MASS)ug/m3"	Temp	RHumidity	Diameter		
1,	3.8,	30.9,	36,	0.4506	,11:40:07	,11-Aug-2008
2,	2.9,	30.9,	36,	0.3778	,11:41:07	,11-Aug-2008
3,	4.4,	30.9,	37,	0.4865	,11:42:07	,11-Aug-2008
4,	15.4,	30.9,	37,	1.9188	,11:43:07	,11-Aug-2008
5,	8.7,	30.9,	37,	0.9280	,11:44:07	,11-Aug-2008
6,	10.9,	30.9,	37,	1.0283	,11:45:07	,11-Aug-2008
7,	8.5,	31.0,	38,	1.5066	,11:46:07	,11-Aug-2008
8,	8.8,	31.0,	37,	1.2720	,11:47:07	,11-Aug-2008
9,	5.1,	31.0,	37,	0.5860	,11:48:07	,11-Aug-2008
10,	3.5,	31.0,	37,	0.4114	,11:49:07	,11-Aug-2008
11,	4.2,	31.1,	37,	0.5398	,11:50:07	,11-Aug-2008
12,	4.9,	31.1,	36,	1.2661	,11:51:07	,11-Aug-2008
13,	4.4,	31.1,	36,	0.5606	,11:52:07	,11-Aug-2008
14,	2.1,	31.2,	37,	0.3067	,11:53:07	,11-Aug-2008
15,	3.9,	31.2,	37,	0.3606	,11:54:07	,11-Aug-2008
16,	5.3,	31.3,	37,	0.3162	,11:55:07	,11-Aug-2008
17,	34.0,	31.3,	37,	1.8303	,11:56:07	,11-Aug-2008
18,	4.8,	31.3,	37,	0.7807	,11:57:07	,11-Aug-2008
19,	3.9,	31.3,	37,	0.4859	,11:58:07	,11-Aug-2008
20,	2.8,	31.3,	37,	0.5295	,11:59:07	,11-Aug-2008
21,	3.4,	31.3,	37,	0.8466	,12:00:07	,11-Aug-2008
22,	3.5,	31.3,	37,	0.4841	,12:01:07	,11-Aug-2008
23,	1.7,	31.3,	37,	0.3999	,12:02:07	,11-Aug-2008
24,	19.4,	31.3,	37,	0.9371	,12:03:07	,11-Aug-2008
25,	3.4,	31.3,	37,	0.4372	,12:04:07	,11-Aug-2008
26,	3.6,	31.3,	37,	0.3476	,12:05:07	,11-Aug-2008
27,	4.5,	31.3,	37,	0.6587	,12:06:07	,11-Aug-2008
28,	4.4,	31.4,	37,	0.9251	,12:07:07	,11-Aug-2008
29,	16.0,	31.4,	37,	1.9933	,12:08:07	,11-Aug-2008
30,	3.2,	31.4,	37,	0.8584	,12:09:07	,11-Aug-2008
31,	34.2,	31.4,	37,	2.9233	,12:10:07	,11-Aug-2008
32,	2.9,	31.4,	37,	1.0986	,12:11:07	,11-Aug-2008
33,	18.7,	31.4,	37,	0.7451	,12:12:07	,11-Aug-2008
34,	3.0,	31.4,	37,	0.9301	,12:13:07	,11-Aug-2008
35,	2.5,	31.4,	37,	0.3642	,12:14:07	,11-Aug-2008
36,	1.7,	31.4,	37,	0.3599	,12:15:07	,11-Aug-2008
37,	3.8,	31.4,	37,	0.4783	,12:16:07	,11-Aug-2008
38,	2.6,	31.4,	37,	0.4402	,12:17:07	,11-Aug-2008

39,	2.8,	31.4,	36,	0.3984	,12:18:07	,11-Aug-2008
40,	3.7,	31.5,	36,	0.5667	,12:19:07	,11-Aug-2008
41,	2.5,	31.5,	37,	0.3351	,12:20:07	,11-Aug-2008
42,	2.3,	31.5,	36,	0.2972	,12:21:07	,11-Aug-2008
43,	3.6,	31.5,	36,	0.4014	,12:22:07	,11-Aug-2008
44,	13.8,	31.5,	37,	2.8012	,12:23:07	,11-Aug-2008
45,	3.6,	31.5,	36,	0.7338	,12:24:07	,11-Aug-2008
46,	2.4,	31.5,	37,	0.3615	,12:25:07	,11-Aug-2008
47,	2.0,	31.5,	37,	0.3556	,12:26:07	,11-Aug-2008
48,	5.6,	31.6,	36,	0.5481	,12:27:07	,11-Aug-2008
49,	8.5,	31.6,	36,	1.7339	,12:28:07	,11-Aug-2008
50,	4.4,	31.6,	36,	1.1247	,12:29:07	,11-Aug-2008
51,	2.9,	31.7,	36,	0.5382	,12:30:07	,11-Aug-2008
52,	1.3,	31.7,	36,	0.4064	,12:31:07	,11-Aug-2008
53,	3.3,	31.7,	36,	0.3581	,12:32:07	,11-Aug-2008
54,	13.0,	31.8,	36,	2.8805	,12:33:07	,11-Aug-2008
55,	3.2,	31.8,	35,	1.4568	,12:34:07	,11-Aug-2008
56,	3.2,	31.8,	35,	1.4634	,12:35:07	,11-Aug-2008
57,	12.1,	31.8,	35,	3.0503	,12:36:07	,11-Aug-2008
58,	15.7,	31.9,	35,	2.7038	,12:37:07	,11-Aug-2008
59,	3.2,	31.9,	35,	0.7225	,12:38:07	,11-Aug-2008
60,	6.3,	32.0,	35,	1.2743	,12:39:07	,11-Aug-2008
61,	1.4,	32.0,	35,	0.5583	,12:40:07	,11-Aug-2008
62,	1.4,	32.0,	35,	0.4208	,12:41:07	,11-Aug-2008
63,	1.4,	32.1,	35,	0.3635	,12:42:07	,11-Aug-2008
64,	0.8,	32.1,	35,	0.3359	,12:43:07	,11-Aug-2008
65,	1.2,	32.1,	35,	0.3394	,12:44:07	,11-Aug-2008
66,	0.9,	32.1,	35,	0.3320	,12:45:07	,11-Aug-2008
67,	1.3,	32.1,	35,	0.3090	,12:46:07	,11-Aug-2008
68,	2.6,	32.1,	35,	0.2771	,12:47:07	,11-Aug-2008
69,	4.0,	32.2,	35,	0.3379	,12:48:07	,11-Aug-2008
70,	1.5,	32.2,	35,	0.3138	,12:49:07	,11-Aug-2008
71,	2.1,	32.2,	35,	0.3161	,12:50:07	,11-Aug-2008
72,	2.5,	32.1,	35,	0.3371	,12:51:07	,11-Aug-2008
73,	0.7,	32.2,	35,	0.3132	,12:52:07	,11-Aug-2008
74,	1.2,	32.2,	35,	0.2837	,12:53:07	,11-Aug-2008
75,	0.9,	32.2,	35,	0.2944	,12:54:07	,11-Aug-2008
76,	6.0,	32.2,	35,	0.2523	,12:55:07	,11-Aug-2008
77,	2.0,	32.2,	35,	0.3065	,12:56:07	,11-Aug-2008
78,	3.8,	32.2,	35,	1.1075	,12:57:07	,11-Aug-2008
79,	4.3,	32.3,	35,	0.8316	,12:58:07	,11-Aug-2008
80,	3.4,	32.3,	35,	0.2978	,12:59:07	,11-Aug-2008
81,	10.7,	32.3,	34,	1.9311	,13:00:07	,11-Aug-2008
82,	12.6,	32.4,	34,	2.6592	,13:01:07	,11-Aug-2008
83,	0.6,	32.4,	34,	0.4428	,13:02:07	,11-Aug-2008
84,	1.1,	32.4,	34,	0.3401	,13:03:07	,11-Aug-2008
85,	17.9,	32.4,	34,	0.7929	,13:04:07	,11-Aug-2008
86,	3.9,	32.5,	34,	0.8110	,13:05:07	,11-Aug-2008
87,	15.1,	32.5,	34,	1.4961	,13:06:07	,11-Aug-2008
88,	8.7,	32.5,	34,	1.7558	,13:07:07	,11-Aug-2008
89,	1.0,	32.5,	33,	0.3869	,13:08:07	,11-Aug-2008
90,	3.7,	32.5,	33,	0.5882	,13:09:07	,11-Aug-2008
91,	2.5,	32.5,	33,	0.8208	,13:10:07	,11-Aug-2008
92,	3.9,	32.5,	33,	0.7060	,13:11:07	,11-Aug-2008
93,	2.4,	32.5,	33,	0.5435	,13:12:07	,11-Aug-2008
94,	1.4,	32.6,	33,	0.4400	,13:13:07	,11-Aug-2008
95,	3.7,	32.6,	33,	0.6876	,13:14:07	,11-Aug-2008
96,	3.6,	32.6,	33,	0.5248	,13:15:07	,11-Aug-2008
97,	1.9,	32.6,	33,	0.6456	,13:16:07	,11-Aug-2008
98,	6.5,	32.6,	33,	1.2773	,13:17:07	,11-Aug-2008
99,	1.5,	32.6,	33,	0.4949	,13:18:07	,11-Aug-2008
100,	2.2,	32.6,	32,	0.3983	,13:19:07	,11-Aug-2008
101,	13.9,	32.6,	32,	2.4797	,13:20:07	,11-Aug-2008

102,	9.8,	32.6,	32,	2.7294	,13:21:07	,11-Aug-2008
103,	12.9,	32.6,	32,	2.6315	,13:22:07	,11-Aug-2008
104,	2.9,	32.7,	32,	1.4936	,13:23:07	,11-Aug-2008
105,	40.3,	32.7,	32,	3.5059	,13:24:07	,11-Aug-2008
106,	17.0,	32.7,	32,	2.9003	,13:25:07	,11-Aug-2008
107,	3.0,	32.8,	32,	1.1558	,13:26:07	,11-Aug-2008
108,	6.1,	32.8,	32,	0.5621	,13:27:07	,11-Aug-2008
109,	6.7,	32.9,	32,	0.9787	,13:28:07	,11-Aug-2008
110,	6.4,	32.9,	32,	1.0638	,13:29:07	,11-Aug-2008
111,	11.7,	33.0,	32,	2.0909	,13:30:07	,11-Aug-2008
112,	2.6,	33.0,	32,	1.2458	,13:31:07	,11-Aug-2008
113,	4.8,	33.0,	31,	1.0366	,13:32:07	,11-Aug-2008
114,	0.7,	33.0,	31,	0.3598	,13:33:07	,11-Aug-2008
115,	3.8,	33.0,	31,	0.3738	,13:34:07	,11-Aug-2008
116,	7.2,	33.0,	31,	2.2036	,13:35:07	,11-Aug-2008
117,	6.0,	33.0,	32,	1.9010	,13:36:07	,11-Aug-2008
118,	4.3,	33.1,	32,	1.2410	,13:37:07	,11-Aug-2008
119,	2.8,	33.1,	32,	0.4120	,13:38:07	,11-Aug-2008
120,	1.3,	33.1,	32,	0.3444	,13:39:07	,11-Aug-2008
121,	2.1,	33.1,	32,	0.3571	,13:40:07	,11-Aug-2008
122,	1.2,	33.2,	32,	0.3618	,13:41:07	,11-Aug-2008
123,	0.6,	33.2,	32,	0.3309	,13:42:07	,11-Aug-2008
124,	0.3,	33.2,	32,	0.3335	,13:43:07	,11-Aug-2008
125,	4.1,	33.3,	32,	0.3178	,13:44:07	,11-Aug-2008
126,	3.6,	33.3,	32,	0.9031	,13:45:07	,11-Aug-2008
127,	4.6,	33.3,	32,	0.7107	,13:46:07	,11-Aug-2008
128,	14.6,	33.4,	32,	2.0581	,13:47:07	,11-Aug-2008
129,	17.7,	33.4,	32,	2.9931	,13:48:07	,11-Aug-2008
130,	15.3,	33.4,	32,	3.5942	,13:49:07	,11-Aug-2008
131,	21.1,	33.4,	32,	2.8158	,13:50:07	,11-Aug-2008
132,	17.4,	33.5,	32,	3.5753	,13:51:07	,11-Aug-2008
133,	13.8,	33.5,	32,	2.7620	,13:52:07	,11-Aug-2008
134,	3.3,	33.6,	31,	0.9368	,13:53:07	,11-Aug-2008
135,	2.3,	33.6,	31,	0.5836	,13:54:07	,11-Aug-2008
136,	14.5,	33.6,	31,	2.5719	,13:55:07	,11-Aug-2008
137,	24.8,	33.6,	31,	3.6275	,13:56:07	,11-Aug-2008
138,	3.6,	33.6,	31,	0.8216	,13:57:07	,11-Aug-2008
139,	3.6,	33.7,	31,	0.5248	,13:58:07	,11-Aug-2008
140,	6.7,	33.7,	31,	0.5059	,13:59:07	,11-Aug-2008
141,	9.3,	33.7,	31,	1.8608	,14:00:07	,11-Aug-2008
142,	1.6,	33.7,	31,	0.3669	,14:01:07	,11-Aug-2008
143,	5.3,	33.7,	31,	0.6392	,14:02:07	,11-Aug-2008
144,	12.3,	33.7,	31,	1.4188	,14:03:07	,11-Aug-2008
145,	31.1,	33.7,	31,	2.7449	,14:04:07	,11-Aug-2008
146,	5.1,	33.7,	31,	0.6406	,14:05:07	,11-Aug-2008
147,	25.5,	33.7,	31,	2.8569	,14:06:07	,11-Aug-2008
148,	13.8,	33.7,	31,	3.3402	,14:07:07	,11-Aug-2008
149,	11.5,	33.7,	31,	2.3979	,14:08:07	,11-Aug-2008
150,	7.1,	33.7,	31,	1.9367	,14:09:07	,11-Aug-2008
151,	14.1,	33.7,	31,	2.9934	,14:10:07	,11-Aug-2008
152,	3.4,	33.8,	30,	1.0065	,14:11:07	,11-Aug-2008
153,	3.9,	33.7,	30,	1.3113	,14:12:07	,11-Aug-2008
154,	3.9,	33.7,	30,	0.7044	,14:13:07	,11-Aug-2008
155,	7.1,	33.7,	30,	1.6910	,14:14:07	,11-Aug-2008
156,	5.8,	33.7,	30,	0.6779	,14:15:07	,11-Aug-2008
157,	7.5,	33.7,	30,	1.8409	,14:16:07	,11-Aug-2008
158,	8.5,	33.7,	29,	1.0772	,14:17:07	,11-Aug-2008
159,	18.5,	33.7,	30,	3.1037	,14:18:07	,11-Aug-2008
160,	1.2,	33.7,	30,	0.3900	,14:19:07	,11-Aug-2008
161,	3.0,	33.7,	30,	0.5105	,14:20:07	,11-Aug-2008
162,	0.9,	33.7,	30,	0.3762	,14:21:07	,11-Aug-2008
163,	2.2,	33.8,	30,	0.4062	,14:22:07	,11-Aug-2008
164,	2.7,	33.8,	30,	0.4278	,14:23:07	,11-Aug-2008

165,	4.8,	33.9,	30,	1.4414	,14:24:07	,11-Aug-2008
166,	0.8,	33.9,	31,	0.4036	,14:25:07	,11-Aug-2008
167,	4.6,	33.9,	31,	1.3847	,14:26:07	,11-Aug-2008
168,	7.1,	34.0,	31,	1.2870	,14:27:07	,11-Aug-2008
169,	12.6,	34.0,	31,	2.3807	,14:28:07	,11-Aug-2008
170,	5.0,	34.0,	31,	1.9435	,14:29:07	,11-Aug-2008
171,	2.6,	34.1,	31,	0.7091	,14:30:07	,11-Aug-2008
172,	7.0,	34.1,	31,	0.8581	,14:31:07	,11-Aug-2008
173,	5.7,	34.1,	31,	1.5372	,14:32:07	,11-Aug-2008
174,	5.2,	34.2,	31,	1.0611	,14:33:07	,11-Aug-2008
175,	5.7,	34.2,	31,	1.0220	,14:34:07	,11-Aug-2008
176,	6.4,	34.3,	31,	0.6976	,14:35:07	,11-Aug-2008
177,	3.6,	34.4,	31,	0.3717	,14:36:07	,11-Aug-2008
178,	6.0,	34.5,	31,	1.0179	,14:37:07	,11-Aug-2008
179,	3.0,	34.6,	30,	1.0301	,14:38:07	,11-Aug-2008
180,	12.5,	34.6,	31,	3.5548	,14:39:07	,11-Aug-2008
181,	65.1,	34.7,	30,	3.4255	,14:40:07	,11-Aug-2008
182,	3.0,	34.8,	30,	1.1620	,14:41:07	,11-Aug-2008
183,	3.0,	34.8,	30,	0.4032	,14:42:07	,11-Aug-2008
184,	3.5,	34.9,	30,	0.3527	,14:43:07	,11-Aug-2008
185,	3.5,	34.9,	30,	0.6547	,14:44:07	,11-Aug-2008
186,	3.0,	35.0,	30,	0.4512	,14:45:07	,11-Aug-2008
187,	1.3,	35.0,	30,	0.3772	,14:46:07	,11-Aug-2008
188,	13.7,	35.0,	30,	0.6676	,14:47:07	,11-Aug-2008
189,	5.0,	35.0,	30,	0.4473	,14:48:07	,11-Aug-2008
190,	7.0,	35.1,	30,	1.4863	,14:49:07	,11-Aug-2008
191,	3.8,	35.0,	30,	0.8305	,14:50:07	,11-Aug-2008
192,	9.4,	35.0,	30,	2.7373	,14:51:07	,11-Aug-2008
193,	3.4,	35.0,	29,	0.9016	,14:52:07	,11-Aug-2008
194,	2.0,	35.0,	30,	0.3576	,14:53:07	,11-Aug-2008
195,	9.2,	35.0,	30,	1.3170	,14:54:07	,11-Aug-2008
196,	2.9,	35.0,	30,	0.9043	,14:55:07	,11-Aug-2008
197,	0.7,	35.0,	30,	0.3531	,14:56:07	,11-Aug-2008
198,	1.3,	35.0,	30,	0.3190	,14:57:07	,11-Aug-2008
199,	0.8,	35.0,	30,	0.3287	,14:58:07	,11-Aug-2008
200,	1.1,	35.0,	30,	0.3260	,14:59:07	,11-Aug-2008
201,	0.8,	35.0,	30,	0.3270	,15:00:07	,11-Aug-2008
202,	2.0,	35.0,	30,	0.3482	,15:01:07	,11-Aug-2008
203,	2.9,	35.0,	30,	0.4471	,15:02:07	,11-Aug-2008
204,	1.4,	35.0,	29,	0.3201	,15:03:07	,11-Aug-2008
205,	2.3,	35.0,	29,	0.3395	,15:04:07	,11-Aug-2008
206,	1.8,	35.1,	29,	0.3602	,15:05:07	,11-Aug-2008
207,	20.3,	35.1,	30,	2.0530	,15:06:07	,11-Aug-2008
208,	7.9,	35.1,	29,	2.0833	,15:07:07	,11-Aug-2008
209,	0.5,	35.1,	29,	0.3503	,15:08:07	,11-Aug-2008
210,	2.1,	35.2,	29,	0.3579	,15:09:07	,11-Aug-2008
211,	1.5,	35.2,	29,	0.3442	,15:10:07	,11-Aug-2008
212,	3.1,	35.2,	29,	0.6921	,15:11:07	,11-Aug-2008
213,	1.2,	35.2,	29,	0.5520	,15:12:07	,11-Aug-2008
214,	1.7,	35.2,	29,	0.3649	,15:13:07	,11-Aug-2008
215,	0.9,	35.2,	29,	0.3484	,15:14:07	,11-Aug-2008
216,	18.5,	35.2,	29,	0.3269	,15:15:07	,11-Aug-2008
217,	13.5,	35.3,	29,	0.6696	,15:16:07	,11-Aug-2008
218,	1.7,	35.3,	29,	0.4178	,15:17:07	,11-Aug-2008
219,	3.7,	35.3,	29,	0.6339	,15:18:07	,11-Aug-2008
220,	3.4,	35.3,	29,	0.5394	,15:19:07	,11-Aug-2008
221,	5.8,	35.3,	29,	0.6399	,15:20:07	,11-Aug-2008
222,	0.8,	35.3,	29,	0.4122	,15:21:07	,11-Aug-2008
223,	1.5,	35.4,	29,	0.3846	,15:22:07	,11-Aug-2008
224,	0.9,	35.4,	29,	0.3468	,15:23:07	,11-Aug-2008
225,	6.4,	35.4,	29,	0.2810	,15:24:07	,11-Aug-2008
226,	13.8,	35.4,	29,	0.7050	,15:25:07	,11-Aug-2008
227,	1.6,	35.4,	29,	0.3849	,15:26:07	,11-Aug-2008

228,	1.2,	35.4,	29,	0.3461	,15:27:07	,11-Aug-2008
229,	2.0,	35.4,	28,	0.3630	,15:28:07	,11-Aug-2008
230,	0.7,	35.4,	29,	0.3257	,15:29:07	,11-Aug-2008
231,	1.1,	35.4,	28,	0.3183	,15:30:07	,11-Aug-2008
232,	1.6,	35.4,	29,	0.3156	,15:31:07	,11-Aug-2008
233,	3.6,	35.4,	29,	0.3769	,15:32:07	,11-Aug-2008
234,	0.8,	35.4,	29,	0.3584	,15:33:07	,11-Aug-2008
235,	1.0,	35.4,	29,	0.3490	,15:34:07	,11-Aug-2008
236,	3.3,	35.4,	29,	0.4148	,15:35:07	,11-Aug-2008
237,	2.0,	35.4,	29,	0.4880	,15:36:07	,11-Aug-2008
238,	0.6,	35.4,	29,	0.3676	,15:37:07	,11-Aug-2008
239,	2.4,	35.4,	29,	0.4398	,15:38:07	,11-Aug-2008
240,	2.1,	35.4,	29,	0.3795	,15:39:07	,11-Aug-2008
241,	0.7,	35.5,	29,	0.3407	,15:40:07	,11-Aug-2008
242,	2.0,	35.5,	29,	0.3256	,15:41:07	,11-Aug-2008
243,	1.4,	35.5,	29,	0.3315	,15:42:07	,11-Aug-2008
244,	2.7,	35.6,	29,	0.3322	,15:43:07	,11-Aug-2008
245,	0.6,	35.6,	29,	0.3575	,15:44:07	,11-Aug-2008
246,	1.3,	35.6,	28,	0.3398	,15:45:07	,11-Aug-2008
247,	3.2,	35.6,	28,	0.3458	,15:46:07	,11-Aug-2008
248,	1.5,	35.6,	28,	0.3241	,15:47:07	,11-Aug-2008
249,	2.1,	35.7,	28,	0.2926	,15:48:07	,11-Aug-2008
250,	2.0,	35.7,	28,	0.3009	,15:49:07	,11-Aug-2008
251,	1.0,	35.7,	28,	0.3149	,15:50:07	,11-Aug-2008
252,	10.0,	35.7,	28,	0.9719	,15:51:07	,11-Aug-2008
253,	7.2,	35.8,	28,	1.9575	,15:52:07	,11-Aug-2008
254,	1.3,	35.8,	28,	0.3959	,15:53:07	,11-Aug-2008
255,	0.4,	35.9,	27,	0.3612	,15:54:07	,11-Aug-2008
256,	4.2,	35.9,	27,	0.4430	,15:55:07	,11-Aug-2008
257,	4.1,	35.9,	27,	0.4656	,15:56:07	,11-Aug-2008
258,	3.3,	36.0,	27,	0.3799	,15:57:07	,11-Aug-2008
259,	2.1,	36.0,	27,	0.4519	,15:58:07	,11-Aug-2008
260,	3.5,	36.0,	27,	0.8758	,15:59:07	,11-Aug-2008
261,	0.6,	36.0,	27,	0.3571	,16:00:07	,11-Aug-2008
262,	2.5,	36.1,	27,	0.3805	,16:01:07	,11-Aug-2008
263,	2.1,	36.1,	27,	0.4212	,16:02:07	,11-Aug-2008
264,	2.4,	36.2,	27,	0.4263	,16:03:07	,11-Aug-2008
265,	4.3,	36.2,	27,	0.4596	,16:04:07	,11-Aug-2008
266,	5.8,	36.3,	27,	0.7231	,16:05:07	,11-Aug-2008
267,	11.2,	36.3,	27,	1.4829	,16:06:07	,11-Aug-2008
268,	18.9,	36.3,	27,	3.2552	,16:07:07	,11-Aug-2008
269,	8.6,	36.3,	27,	1.4900	,16:08:07	,11-Aug-2008
270,	2.1,	36.3,	27,	0.3875	,16:09:07	,11-Aug-2008
271,	1.3,	36.3,	27,	0.3542	,16:10:07	,11-Aug-2008
272,	2.4,	36.3,	27,	0.6166	,16:11:07	,11-Aug-2008
273,	5.7,	36.3,	27,	1.4728	,16:12:07	,11-Aug-2008
274,	5.5,	36.3,	26,	0.4447	,16:13:07	,11-Aug-2008
275,	2.9,	36.3,	26,	0.4397	,16:14:07	,11-Aug-2008
276,	2.9,	36.2,	26,	0.3673	,16:15:07	,11-Aug-2008
277,	3.7,	36.2,	26,	0.5098	,16:16:07	,11-Aug-2008
278,	3.4,	36.2,	26,	1.0148	,16:17:07	,11-Aug-2008
279,	3.7,	36.1,	26,	0.8231	,16:18:07	,11-Aug-2008
280,	2.4,	36.1,	26,	0.3981	,16:19:07	,11-Aug-2008
281,	8.3,	36.1,	26,	1.7879	,16:20:07	,11-Aug-2008
282,	6.9,	36.1,	26,	1.7611	,16:21:07	,11-Aug-2008
283,	8.7,	36.1,	25,	1.9244	,16:22:07	,11-Aug-2008
284,	5.7,	36.1,	25,	2.6835	,16:23:07	,11-Aug-2008
285,	11.1,	36.0,	26,	1.6910	,16:24:07	,11-Aug-2008
286,	11.1,	36.1,	26,	2.8603	,16:25:07	,11-Aug-2008
287,	3.4,	36.1,	26,	1.3282	,16:26:07	,11-Aug-2008
288,	0.7,	36.1,	26,	0.3677	,16:27:07	,11-Aug-2008
289,	0.9,	36.0,	26,	0.3502	,16:28:07	,11-Aug-2008
290,	4.8,	36.0,	26,	1.0595	,16:29:07	,11-Aug-2008

Air Monitor Results East (8-11-08)

291,	12.1,	36.1,	26,	3.6414	,16:30:07	,11-Aug-2008
292,	3.5,	36.1,	26,	0.9075	,16:31:07	,11-Aug-2008
293,	1.0,	36.1,	26,	0.3699	,16:32:07	,11-Aug-2008
294,	1.4,	36.1,	27,	0.3766	,16:33:07	,11-Aug-2008
295,	2.9,	36.1,	26,	0.3997	,16:34:07	,11-Aug-2008
296,	8.5,	36.1,	26,	1.9759	,16:35:07	,11-Aug-2008
297,	6.5,	36.1,	26,	2.2879	,16:36:07	,11-Aug-2008
298,	7.1,	36.1,	26,	2.3301	,16:37:07	,11-Aug-2008
299,	4.2,	36.1,	26,	1.3334	,16:38:07	,11-Aug-2008
300,	3.1,	36.1,	26,	0.4362	,16:39:07	,11-Aug-2008
301,	4.3,	36.1,	26,	1.3675	,16:40:07	,11-Aug-2008
302,	4.9,	36.1,	26,	1.6256	,16:41:07	,11-Aug-2008
303,	3.2,	36.0,	26,	0.5073	,16:42:07	,11-Aug-2008
304,	1.5,	36.1,	26,	0.3980	,16:43:07	,11-Aug-2008
305,	0.9,	36.0,	26,	0.3561	,16:44:07	,11-Aug-2008
306,	2.2,	36.1,	26,	0.4698	,16:45:07	,11-Aug-2008
307,	1.2,	36.1,	26,	0.3766	,16:46:07	,11-Aug-2008
308,	1.6,	36.1,	26,	0.4370	,16:47:07	,11-Aug-2008
309,	1.2,	36.1,	26,	0.3932	,16:48:07	,11-Aug-2008
310,	2.5,	36.1,	26,	0.4015	,16:49:07	,11-Aug-2008
311,	1.7,	36.1,	26,	0.3585	,16:50:07	,11-Aug-2008
312,	3.9,	36.1,	26,	0.3105	,16:51:07	,11-Aug-2008
313,	1.2,	36.1,	26,	0.3251	,16:52:07	,11-Aug-2008
314,	1.4,	36.1,	26,	0.3304	,16:53:07	,11-Aug-2008
315,	1.4,	36.1,	26,	0.3494	,16:54:07	,11-Aug-2008
316,	1.1,	36.1,	26,	0.3528	,16:55:07	,11-Aug-2008
317,	1.2,	36.1,	26,	0.3510	,16:56:07	,11-Aug-2008
318,	1.8,	36.1,	26,	0.3445	,16:57:07	,11-Aug-2008
319,	1.0,	36.1,	26,	0.3247	,16:58:07	,11-Aug-2008
320,	1.3,	36.1,	26,	0.3202	,16:59:07	,11-Aug-2008
321,	2.3,	36.2,	26,	0.3341	,17:00:07	,11-Aug-2008
322,	2.1,	36.2,	26,	0.4367	,17:01:07	,11-Aug-2008
323,	6.0,	36.2,	26,	1.6771	,17:02:07	,11-Aug-2008
324,	14.3,	36.2,	26,	3.1988	,17:03:07	,11-Aug-2008
325,	6.9,	36.2,	25,	2.3014	,17:04:07	,11-Aug-2008
326,	2.5,	36.2,	25,	0.4430	,17:05:07	,11-Aug-2008
327,	2.0,	36.2,	25,	0.4053	,17:06:07	,11-Aug-2008

PORT OF PORTLAND

DAILY DIARY

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

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

DAY OF WEEK & DATE: Tues., Aug 12, 2008 **REPORT NO.** 06

WEATHER Sunny **TEMPERATURE** 59L 84H

NUMBER/CLASS OF CONTRACTOR'S PERSONNEL:

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

MGS:
Surveyor's: Crew 2

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

Kamatsu HM 30 (Off Road Dump Truck)
Kamatsu PC 300 (Trac-hoe with thumb)
International Water Truck (4000gal)
John Deere 410D (Back-hoe)
Bomag BW177 DH-3 (Single Steel Roller- Rental)
John Deere 450J (Small Dozer-Rental)

CHRONOLOGICAL ACCOUNT OF DAY'S WORK:

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

Envirocon crew on site and continue to concentrate work clearing existing slopes down to elevation 12, from sta. 0+00 to sta 7+30.

The existing fire boat pier at approx sta. 1+00, has 2 bents in work area and contractor has requested removing these two bents and portions of the pier that are inside the working limits at elevation 12. An RFI has been generated to Port.

Contractor using 410D and two pipe layers had to cut and cap an existing 2" pvc water line at approx sta. 0+25, which originally was cut and capped by Port but was not taken far enough away from top of slope. Crew had to expose and cut 16' of piping. Crew working hours for this work 15:00 to 16:00.

PC300 and JD 450J almost completed to strip, clear and grub top of slope/bank from sta 0+00 to approx. 7+30, loading HM30 and stockpiling debris at sta. 0+50 to 2+00.

PC 300 built access roadway for HM30, at approx. sta. 3+00, down to elevation 12, and loading HM30 with LWD, a/c and concrete debris and hauling to top of bank. Several LWD are rotten and HM30 when loaded with this debris is stockpiling at sta. 0+50 to sta. 1+50. If LWD is still in good shape, HM30 taking this debris and stockpiling next to contractor's connex trailer.

Port requesting survey control information by MSG when submitted to Ashcreek/Envioncon. This information is expected to be compelted and submitted to Port by Thurs., 8-14.

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

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

TESTS PERFORMED: _____

PORT OF PORTLAND

DAILY DIARY

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

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

DAY OF WEEK & DATE: Tues., Aug 12, 2008 **REPORT NO.** 06

WEATHER Sunny **TEMPERATURE** 59L 84H

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

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

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	6		
PAGE	1	OF	2
DATE	8/12/2008		

PROJECT	Wheeler Bay Stabilization	ARRIVAL TIME	700
LOCATION	Terminal 4	DEPARTURE TIME	1700
CLIENT	Port of Portland	WEATHER	partly cloudy 85F, winds: NW, 7-9 mph
PURPOSE OF OBSERVATIONS	Field Oversight		
ASH CREEK REPRESENTATIVE	D. Urquhart	ASH CREEK PROJECT MANAGER	H. Clough
SUBCONTRACTOR	Envirocon	SUBCONTRACTOR REP.	George Lotze

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

DAILY INSPECTION LOG:

Construction Element	MEETS INSPECTION CRITERIA			SEE ENVIROCON REPORT	SEE BELOW
	YES	NO	NA		
Site Preparation					
Erosion Control Installation	X				
Clearing and Grubbing			X		
Load Out Excess Cut			X		
Debris Clear of Excess Soil			X		
Shoreline Stabilization					
Sub-grade Cut and Fill			X		
Demarcation Layer			X		
Select Fill			X		
Armor Type 3			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:					

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PROJECT NUMBER	1066-04		
FIELD REPORT NUMBER	6		
PAGE	2	OF	2
DATE	8/12/2008		

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		

COMMENTS:

BY

D. 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: _60____ Winds: light

Precipitation none

Report Information.:

Date: 8/12/2008

Week Day: Tues

Shift: 7am-5:30

Report Prepared By:

Personnel	WBS Task	Hours	Start	Finish	Equip	No.	Run	Stdby	WBS Task Code	Comments
KEVIN GEORGE		9	7:00	4:30	PC300 EXC.	Modern	8			Break concrete,
WES JENSEN		8.5	7:00	4:00	HM300 ARTIC	Modern	0			
GEORGE LOTZE		11	7:00	6:30	BOMAG ROLLER	United	0			
RICK MARTIN		10	7:00	5:30	JD450 DOZER	United	5			Cut sand at shoreline
MIKE MCCOY		8.5	7:00	4:00	PC200 EXC.	3366	0			
MATTHEW PATCHING		8.5	7:00	4:00	WATER TRUCK	United	8			Dust control
SKIP SIMPSON					JD310 BACKHOE	1196	2			
SUZANNE STARKEY										

DESCRIPTION OF WORK (detail below):

Break concrete, Survey, Dust control, Expose and cap irrigation line at fire bureau dock area,

Down time & delays:

MATERIAL PLACED:

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

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:

Air Monitor Results CRZ (8-12-08)

"Model Number", "DataRAM 4 ", 106
"Serial no. ", "D630 "
"Device no. ", 1
"Tag Number ", 11
"Start Time ", 09:08:32
"Start Date ", 12-Aug-2008
"Log Period ", 00:01:00
"Number ", 457
"CalFactor ", 1.000000
"Unit ", 0
"Unit Name ", "(MASS)ug/m3"
"SIZE_CORRECT", "DISABLED"
"TEMPUNITS ", C
"Max MASS ", 478.602100
"Max MASS @ ", 193 ,12:21:32 ,12-Aug-2008
"Avg MASS ", 11.630750
"Max Diam ", 3.618314
"Max Diam @ ", 330 ,14:38:32 ,12-Aug-2008
"Avg Diam ", 0.861688
"ALARM ", "DISABLED"
"ALARM_LEVEL ", 0.0
"AUTO_ZERO ", "DISABLED"
"AZ INTERVAL ", 10
"Errors ", 0000

record,	"(MASS)ug/m3",	Temp,	RHumidity,	Diameter		
1,	48.6,	24.2,	30,	0.6633	,09:09:32	,12-Aug-2008
2,	10.9,	24.2,	33,	0.3899	,09:10:32	,12-Aug-2008
3,	9.0,	24.2,	36,	0.3927	,09:11:32	,12-Aug-2008
4,	9.8,	24.3,	37,	0.5309	,09:12:32	,12-Aug-2008
5,	9.1,	24.3,	39,	0.3939	,09:13:32	,12-Aug-2008
6,	7.9,	24.3,	40,	0.4253	,09:14:32	,12-Aug-2008
7,	8.2,	24.4,	40,	0.4595	,09:15:32	,12-Aug-2008
8,	8.8,	24.4,	41,	0.4615	,09:16:32	,12-Aug-2008
9,	9.1,	24.4,	42,	0.4246	,09:17:32	,12-Aug-2008
10,	9.2,	24.5,	42,	0.4794	,09:18:32	,12-Aug-2008
11,	9.4,	24.5,	43,	0.5296	,09:19:32	,12-Aug-2008
12,	14.4,	24.5,	43,	0.6314	,09:20:32	,12-Aug-2008
13,	17.5,	24.5,	43,	0.6406	,09:21:32	,12-Aug-2008
14,	11.7,	24.6,	43,	0.6152	,09:22:32	,12-Aug-2008
15,	8.2,	24.6,	44,	0.5096	,09:23:32	,12-Aug-2008
16,	8.2,	24.6,	44,	0.3399	,09:24:32	,12-Aug-2008
17,	9.2,	24.6,	44,	0.6755	,09:25:32	,12-Aug-2008
18,	10.7,	24.6,	44,	0.7369	,09:26:32	,12-Aug-2008
19,	29.3,	24.7,	44,	0.8948	,09:27:32	,12-Aug-2008
20,	81.2,	24.7,	45,	0.6766	,09:28:32	,12-Aug-2008
21,	10.8,	24.7,	45,	0.4751	,09:29:32	,12-Aug-2008
22,	9.0,	24.7,	45,	0.3452	,09:30:32	,12-Aug-2008
23,	8.7,	24.7,	45,	0.3866	,09:31:32	,12-Aug-2008
24,	10.6,	24.8,	45,	0.9450	,09:32:32	,12-Aug-2008
25,	12.6,	24.8,	45,	0.5265	,09:33:32	,12-Aug-2008
26,	13.6,	24.8,	45,	0.5883	,09:34:32	,12-Aug-2008
27,	13.3,	24.8,	45,	0.3709	,09:35:32	,12-Aug-2008
28,	11.9,	24.8,	45,	0.4013	,09:36:32	,12-Aug-2008
29,	16.0,	24.8,	45,	0.6163	,09:37:32	,12-Aug-2008
30,	19.0,	24.9,	46,	0.7867	,09:38:32	,12-Aug-2008
31,	10.7,	24.9,	46,	0.6506	,09:39:32	,12-Aug-2008
32,	8.4,	24.9,	46,	0.3356	,09:40:32	,12-Aug-2008
33,	8.8,	24.9,	46,	0.4346	,09:41:32	,12-Aug-2008
34,	9.5,	24.9,	46,	0.3627	,09:42:32	,12-Aug-2008
35,	9.7,	25.0,	46,	0.4906	,09:43:32	,12-Aug-2008
36,	9.7,	25.0,	46,	0.4728	,09:44:32	,12-Aug-2008
37,	8.1,	25.0,	46,	0.4510	,09:45:32	,12-Aug-2008
38,	11.0,	25.0,	46,	0.4535	,09:46:32	,12-Aug-2008

39,	6.4,	25.0,	46,	0.2922	,09:47:32	,12-Aug-2008
40,	9.2,	25.1,	46,	0.5060	,09:48:32	,12-Aug-2008
41,	8.0,	25.1,	46,	0.4114	,09:49:32	,12-Aug-2008
42,	7.8,	25.1,	46,	0.4076	,09:50:32	,12-Aug-2008
43,	9.3,	25.1,	46,	0.3629	,09:51:32	,12-Aug-2008
44,	9.3,	25.1,	46,	0.3943	,09:52:32	,12-Aug-2008
45,	7.1,	25.1,	46,	0.3626	,09:53:32	,12-Aug-2008
46,	8.4,	25.1,	46,	0.4810	,09:54:32	,12-Aug-2008
47,	6.8,	25.2,	46,	0.3507	,09:55:32	,12-Aug-2008
48,	8.0,	25.2,	46,	0.4962	,09:56:32	,12-Aug-2008
49,	8.3,	25.2,	47,	0.3874	,09:57:32	,12-Aug-2008
50,	8.3,	25.2,	47,	0.4233	,09:58:32	,12-Aug-2008
51,	6.8,	25.3,	46,	0.4109	,09:59:32	,12-Aug-2008
52,	6.9,	25.4,	46,	0.3173	,10:00:32	,12-Aug-2008
53,	6.1,	25.4,	47,	0.3976	,10:01:32	,12-Aug-2008
54,	7.4,	25.4,	46,	0.5555	,10:02:32	,12-Aug-2008
55,	8.1,	25.5,	46,	0.4681	,10:03:32	,12-Aug-2008
56,	6.7,	25.5,	46,	0.3620	,10:04:32	,12-Aug-2008
57,	7.3,	25.6,	46,	0.3786	,10:05:32	,12-Aug-2008
58,	7.9,	25.6,	46,	0.5734	,10:06:32	,12-Aug-2008
59,	8.6,	25.6,	46,	0.4612	,10:07:32	,12-Aug-2008
60,	9.3,	25.7,	46,	0.3360	,10:08:32	,12-Aug-2008
61,	8.3,	25.7,	46,	0.3046	,10:09:32	,12-Aug-2008
62,	23.7,	25.8,	46,	0.4875	,10:10:32	,12-Aug-2008
63,	9.6,	25.9,	46,	0.4067	,10:11:32	,12-Aug-2008
64,	10.0,	25.9,	46,	2.3605	,10:12:32	,12-Aug-2008
65,	9.4,	26.0,	46,	0.9722	,10:13:32	,12-Aug-2008
66,	7.0,	26.1,	46,	0.4598	,10:14:32	,12-Aug-2008
67,	7.6,	26.1,	46,	0.3844	,10:15:32	,12-Aug-2008
68,	9.1,	26.2,	46,	0.3443	,10:16:32	,12-Aug-2008
69,	8.9,	26.3,	46,	0.4313	,10:17:32	,12-Aug-2008
70,	9.0,	26.4,	46,	0.4801	,10:18:32	,12-Aug-2008
71,	9.1,	26.5,	46,	0.6867	,10:19:32	,12-Aug-2008
72,	7.6,	26.6,	46,	0.5140	,10:20:32	,12-Aug-2008
73,	13.7,	26.7,	45,	0.7241	,10:21:32	,12-Aug-2008
74,	11.5,	26.8,	45,	0.6420	,10:22:32	,12-Aug-2008
75,	12.6,	27.0,	46,	0.9006	,10:23:32	,12-Aug-2008
76,	8.6,	27.1,	45,	0.5497	,10:24:32	,12-Aug-2008
77,	10.8,	27.2,	45,	0.6618	,10:25:32	,12-Aug-2008
78,	25.9,	27.4,	45,	0.5637	,10:26:32	,12-Aug-2008
79,	7.9,	27.5,	45,	0.4804	,10:27:32	,12-Aug-2008
80,	13.3,	27.6,	45,	0.6830	,10:28:32	,12-Aug-2008
81,	10.9,	27.8,	45,	1.0672	,10:29:32	,12-Aug-2008
82,	8.1,	27.9,	44,	0.5832	,10:30:32	,12-Aug-2008
83,	8.5,	28.1,	44,	0.4377	,10:31:32	,12-Aug-2008
84,	7.9,	28.2,	44,	0.5103	,10:32:32	,12-Aug-2008
85,	17.1,	28.4,	44,	2.3216	,10:33:32	,12-Aug-2008
86,	16.6,	28.5,	44,	0.8183	,10:34:32	,12-Aug-2008
87,	12.1,	28.7,	44,	0.9997	,10:35:32	,12-Aug-2008
88,	11.2,	28.8,	43,	0.5665	,10:36:32	,12-Aug-2008
89,	15.2,	29.0,	43,	0.8654	,10:37:32	,12-Aug-2008
90,	13.1,	29.2,	43,	0.5307	,10:38:32	,12-Aug-2008
91,	13.2,	29.3,	42,	1.0316	,10:39:32	,12-Aug-2008
92,	14.6,	29.5,	42,	0.5032	,10:40:32	,12-Aug-2008
93,	19.7,	29.6,	42,	1.3167	,10:41:32	,12-Aug-2008
94,	11.7,	29.8,	42,	0.8180	,10:42:32	,12-Aug-2008
95,	12.0,	29.9,	41,	0.6181	,10:43:32	,12-Aug-2008
96,	14.6,	30.0,	41,	0.9140	,10:44:32	,12-Aug-2008
97,	13.4,	30.2,	41,	0.6094	,10:45:32	,12-Aug-2008
98,	14.0,	30.3,	41,	0.6042	,10:46:32	,12-Aug-2008
99,	13.2,	30.4,	40,	0.5228	,10:47:32	,12-Aug-2008
100,	12.7,	30.5,	40,	0.6832	,10:48:32	,12-Aug-2008
101,	12.1,	30.6,	40,	0.6132	,10:49:32	,12-Aug-2008

102,	11.1,	30.7,	40,	0.8411	,10:50:32	,12-Aug-2008
103,	10.8,	30.8,	40,	1.6615	,10:51:32	,12-Aug-2008
104,	8.9,	30.9,	40,	0.7224	,10:52:32	,12-Aug-2008
105,	5.9,	31.0,	40,	0.4827	,10:53:32	,12-Aug-2008
106,	7.3,	31.1,	40,	0.8557	,10:54:32	,12-Aug-2008
107,	11.1,	31.2,	39,	1.1518	,10:55:32	,12-Aug-2008
108,	13.0,	31.4,	39,	1.3010	,10:56:32	,12-Aug-2008
109,	11.9,	31.5,	39,	0.7061	,10:57:32	,12-Aug-2008
110,	12.1,	31.6,	39,	0.5023	,10:58:32	,12-Aug-2008
111,	14.1,	31.7,	39,	0.6684	,10:59:32	,12-Aug-2008
112,	10.8,	31.9,	39,	0.5246	,11:00:32	,12-Aug-2008
113,	12.0,	32.0,	39,	0.7505	,11:01:32	,12-Aug-2008
114,	10.5,	32.1,	38,	1.0910	,11:02:32	,12-Aug-2008
115,	9.0,	32.2,	38,	0.5276	,11:03:32	,12-Aug-2008
116,	10.5,	32.4,	38,	0.7774	,11:04:32	,12-Aug-2008
117,	13.0,	32.5,	38,	0.7089	,11:05:32	,12-Aug-2008
118,	10.5,	32.6,	37,	0.6061	,11:06:32	,12-Aug-2008
119,	10.9,	32.7,	37,	0.4484	,11:07:32	,12-Aug-2008
120,	13.4,	32.8,	37,	1.0443	,11:08:32	,12-Aug-2008
121,	15.1,	32.9,	37,	1.9467	,11:09:32	,12-Aug-2008
122,	11.3,	33.0,	36,	1.1096	,11:10:32	,12-Aug-2008
123,	12.4,	33.1,	36,	1.5804	,11:11:32	,12-Aug-2008
124,	7.0,	33.2,	36,	0.5747	,11:12:32	,12-Aug-2008
125,	7.9,	33.3,	36,	0.8811	,11:13:32	,12-Aug-2008
126,	5.3,	33.4,	36,	0.4207	,11:14:32	,12-Aug-2008
127,	8.4,	33.5,	36,	0.6826	,11:15:32	,12-Aug-2008
128,	9.3,	33.5,	36,	0.9138	,11:16:32	,12-Aug-2008
129,	7.6,	33.6,	36,	0.5606	,11:17:32	,12-Aug-2008
130,	9.4,	33.7,	36,	0.6494	,11:18:32	,12-Aug-2008
131,	9.7,	33.8,	35,	0.7453	,11:19:32	,12-Aug-2008
132,	10.7,	33.9,	35,	0.6292	,11:20:32	,12-Aug-2008
133,	6.0,	34.0,	35,	0.6106	,11:21:32	,12-Aug-2008
134,	6.3,	34.1,	35,	0.8099	,11:22:32	,12-Aug-2008
135,	5.7,	34.1,	35,	0.4077	,11:23:32	,12-Aug-2008
136,	7.9,	34.2,	35,	0.4661	,11:24:32	,12-Aug-2008
137,	9.8,	34.3,	35,	0.6105	,11:25:32	,12-Aug-2008
138,	11.9,	34.4,	35,	1.2389	,11:26:32	,12-Aug-2008
139,	7.7,	34.5,	35,	1.2542	,11:27:32	,12-Aug-2008
140,	6.8,	34.6,	35,	0.7026	,11:28:32	,12-Aug-2008
141,	7.7,	34.7,	35,	0.4261	,11:29:32	,12-Aug-2008
142,	8.9,	34.8,	35,	1.4503	,11:30:32	,12-Aug-2008
143,	12.8,	34.9,	34,	0.5147	,11:31:32	,12-Aug-2008
144,	60.2,	35.0,	34,	0.3975	,11:32:32	,12-Aug-2008
145,	10.8,	35.1,	34,	1.2116	,11:33:32	,12-Aug-2008
146,	7.4,	35.2,	34,	0.7009	,11:34:32	,12-Aug-2008
147,	6.8,	35.2,	34,	0.9854	,11:35:32	,12-Aug-2008
148,	6.8,	35.4,	34,	0.7156	,11:36:32	,12-Aug-2008
149,	6.1,	35.4,	33,	0.4593	,11:37:32	,12-Aug-2008
150,	7.2,	35.5,	33,	0.7803	,11:38:32	,12-Aug-2008
151,	5.3,	35.5,	33,	0.5124	,11:39:32	,12-Aug-2008
152,	6.9,	35.5,	33,	0.4739	,11:40:32	,12-Aug-2008
153,	6.9,	35.6,	33,	0.5323	,11:41:32	,12-Aug-2008
154,	7.9,	35.6,	33,	0.5291	,11:42:32	,12-Aug-2008
155,	6.6,	35.7,	33,	0.7086	,11:43:32	,12-Aug-2008
156,	7.5,	35.7,	33,	0.4294	,11:44:32	,12-Aug-2008
157,	6.6,	35.8,	32,	0.3741	,11:45:32	,12-Aug-2008
158,	6.4,	35.8,	32,	0.5169	,11:46:32	,12-Aug-2008
159,	6.8,	35.9,	33,	0.8338	,11:47:32	,12-Aug-2008
160,	5.4,	36.0,	32,	0.4130	,11:48:32	,12-Aug-2008
161,	6.7,	36.0,	32,	0.3501	,11:49:32	,12-Aug-2008
162,	6.7,	36.1,	32,	0.4260	,11:50:32	,12-Aug-2008
163,	7.2,	36.2,	32,	0.6808	,11:51:32	,12-Aug-2008
164,	5.9,	36.2,	32,	0.2988	,11:52:32	,12-Aug-2008

165,	3.9,	36.3,	32,	0.3106	,11:53:32	,12-Aug-2008
166,	4.2,	36.3,	32,	0.3171	,11:54:32	,12-Aug-2008
167,	6.2,	36.4,	32,	0.4515	,11:55:32	,12-Aug-2008
168,	8.0,	36.5,	32,	0.4273	,11:56:32	,12-Aug-2008
169,	6.1,	36.5,	32,	0.3344	,11:57:32	,12-Aug-2008
170,	8.2,	36.6,	32,	0.4075	,11:58:32	,12-Aug-2008
171,	7.7,	36.7,	31,	0.5431	,11:59:32	,12-Aug-2008
172,	6.9,	36.7,	31,	0.6188	,12:00:32	,12-Aug-2008
173,	6.5,	36.7,	31,	0.3243	,12:01:32	,12-Aug-2008
174,	6.5,	36.7,	31,	0.5115	,12:02:32	,12-Aug-2008
175,	5.8,	36.7,	31,	0.3202	,12:03:32	,12-Aug-2008
176,	10.9,	36.8,	31,	1.0996	,12:04:32	,12-Aug-2008
177,	16.0,	36.8,	31,	1.3909	,12:05:32	,12-Aug-2008
178,	16.5,	36.8,	31,	1.7807	,12:06:32	,12-Aug-2008
179,	10.1,	36.8,	31,	1.1231	,12:07:32	,12-Aug-2008
180,	6.9,	36.9,	31,	0.3553	,12:08:32	,12-Aug-2008
181,	9.0,	36.9,	31,	0.4802	,12:09:32	,12-Aug-2008
182,	9.4,	37.0,	31,	0.6337	,12:10:32	,12-Aug-2008
183,	12.1,	37.1,	31,	2.3771	,12:11:32	,12-Aug-2008
184,	11.0,	37.1,	31,	1.8027	,12:12:32	,12-Aug-2008
185,	10.5,	37.2,	31,	1.1913	,12:13:32	,12-Aug-2008
186,	8.8,	37.2,	31,	0.7968	,12:14:32	,12-Aug-2008
187,	10.4,	37.3,	31,	0.5064	,12:15:32	,12-Aug-2008
188,	10.3,	37.4,	31,	0.4909	,12:16:32	,12-Aug-2008
189,	11.9,	37.5,	31,	0.5546	,12:17:32	,12-Aug-2008
190,	9.0,	37.6,	31,	0.5152	,12:18:32	,12-Aug-2008
191,	10.0,	37.6,	31,	0.6649	,12:19:32	,12-Aug-2008
192,	18.6,	37.7,	30,	1.0176	,12:20:32	,12-Aug-2008
193,	478.6,	37.8,	30,	1.6035	,12:21:32	,12-Aug-2008
194,	15.4,	37.9,	30,	2.2237	,12:22:32	,12-Aug-2008
195,	12.0,	38.0,	30,	1.0016	,12:23:32	,12-Aug-2008
196,	12.2,	38.0,	30,	0.5705	,12:24:32	,12-Aug-2008
197,	12.6,	38.1,	30,	0.3692	,12:25:32	,12-Aug-2008
198,	13.2,	38.2,	30,	0.9368	,12:26:32	,12-Aug-2008
199,	18.4,	38.2,	30,	1.1835	,12:27:32	,12-Aug-2008
200,	13.5,	38.3,	30,	1.8618	,12:28:32	,12-Aug-2008
201,	14.8,	38.4,	30,	1.9153	,12:29:32	,12-Aug-2008
202,	12.8,	38.5,	30,	2.0453	,12:30:32	,12-Aug-2008
203,	11.9,	38.5,	29,	1.1768	,12:31:32	,12-Aug-2008
204,	14.4,	38.5,	29,	1.0057	,12:32:32	,12-Aug-2008
205,	11.0,	38.6,	29,	0.6541	,12:33:32	,12-Aug-2008
206,	12.3,	38.6,	29,	0.7595	,12:34:32	,12-Aug-2008
207,	9.1,	38.6,	29,	0.4917	,12:35:32	,12-Aug-2008
208,	29.2,	38.7,	29,	0.6978	,12:36:32	,12-Aug-2008
209,	23.8,	38.7,	29,	1.8171	,12:37:32	,12-Aug-2008
210,	10.3,	38.7,	29,	1.6793	,12:38:32	,12-Aug-2008
211,	59.7,	38.8,	29,	2.4978	,12:39:32	,12-Aug-2008
212,	19.8,	38.8,	29,	1.3414	,12:40:32	,12-Aug-2008
213,	8.3,	38.8,	29,	0.6378	,12:41:32	,12-Aug-2008
214,	8.2,	38.9,	29,	0.3428	,12:42:32	,12-Aug-2008
215,	10.9,	38.9,	29,	0.6804	,12:43:32	,12-Aug-2008
216,	7.1,	39.0,	29,	0.8720	,12:44:32	,12-Aug-2008
217,	7.4,	39.0,	29,	0.3625	,12:45:32	,12-Aug-2008
218,	9.7,	39.1,	29,	0.2837	,12:46:32	,12-Aug-2008
219,	7.9,	39.1,	29,	0.4163	,12:47:32	,12-Aug-2008
220,	7.9,	39.1,	29,	0.6016	,12:48:32	,12-Aug-2008
221,	15.8,	39.2,	29,	3.1489	,12:49:32	,12-Aug-2008
222,	16.3,	39.3,	29,	1.4689	,12:50:32	,12-Aug-2008
223,	15.8,	39.4,	29,	1.3615	,12:51:32	,12-Aug-2008
224,	14.1,	39.4,	28,	1.7131	,12:52:32	,12-Aug-2008
225,	12.5,	39.5,	28,	1.9673	,12:53:32	,12-Aug-2008
226,	11.1,	39.5,	29,	1.6938	,12:54:32	,12-Aug-2008
227,	9.5,	39.5,	28,	1.5943	,12:55:32	,12-Aug-2008

228,	13.2,	39.6,	28,	0.8502	,12:56:32	,12-Aug-2008
229,	10.7,	39.6,	28,	0.7664	,12:57:32	,12-Aug-2008
230,	9.0,	39.6,	28,	0.7153	,12:58:32	,12-Aug-2008
231,	14.8,	39.7,	28,	0.5806	,12:59:32	,12-Aug-2008
232,	13.7,	39.8,	28,	2.3958	,13:00:32	,12-Aug-2008
233,	12.4,	39.8,	28,	0.9385	,13:01:32	,12-Aug-2008
234,	13.5,	39.9,	28,	3.0467	,13:02:32	,12-Aug-2008
235,	16.0,	40.0,	28,	0.8384	,13:03:32	,12-Aug-2008
236,	11.3,	40.1,	28,	1.1287	,13:04:32	,12-Aug-2008
237,	13.9,	40.1,	28,	1.6382	,13:05:32	,12-Aug-2008
238,	11.8,	40.2,	27,	1.0366	,13:06:32	,12-Aug-2008
239,	12.3,	40.3,	27,	1.6383	,13:07:32	,12-Aug-2008
240,	10.3,	40.4,	27,	0.7379	,13:08:32	,12-Aug-2008
241,	11.4,	40.5,	27,	0.7159	,13:09:32	,12-Aug-2008
242,	9.8,	40.6,	27,	0.8827	,13:10:32	,12-Aug-2008
243,	11.0,	40.7,	27,	0.8827	,13:11:32	,12-Aug-2008
244,	7.1,	40.9,	27,	0.5235	,13:12:32	,12-Aug-2008
245,	8.7,	41.0,	27,	0.6387	,13:13:32	,12-Aug-2008
246,	10.8,	41.1,	27,	1.4192	,13:14:32	,12-Aug-2008
247,	12.0,	41.2,	27,	0.7119	,13:15:32	,12-Aug-2008
248,	8.0,	41.3,	27,	1.5595	,13:16:32	,12-Aug-2008
249,	8.8,	41.4,	27,	0.3955	,13:17:32	,12-Aug-2008
250,	8.0,	41.5,	26,	0.5418	,13:18:32	,12-Aug-2008
251,	7.7,	41.6,	26,	0.8362	,13:19:32	,12-Aug-2008
252,	8.3,	41.7,	26,	0.8636	,13:20:32	,12-Aug-2008
253,	12.7,	41.8,	26,	1.8212	,13:21:32	,12-Aug-2008
254,	9.9,	41.9,	26,	0.6753	,13:22:32	,12-Aug-2008
255,	16.2,	41.9,	26,	1.3360	,13:23:32	,12-Aug-2008
256,	12.0,	42.0,	26,	1.8002	,13:24:32	,12-Aug-2008
257,	11.8,	42.1,	26,	1.5185	,13:25:32	,12-Aug-2008
258,	10.5,	42.1,	26,	0.8144	,13:26:32	,12-Aug-2008
259,	9.7,	42.1,	26,	0.7768	,13:27:32	,12-Aug-2008
260,	9.3,	42.2,	26,	0.5385	,13:28:32	,12-Aug-2008
261,	9.4,	42.3,	26,	1.1762	,13:29:32	,12-Aug-2008
262,	10.6,	42.3,	25,	3.0856	,13:30:32	,12-Aug-2008
263,	9.9,	42.4,	25,	0.6587	,13:31:32	,12-Aug-2008
264,	19.8,	42.4,	25,	0.5732	,13:32:32	,12-Aug-2008
265,	9.5,	42.5,	25,	0.5358	,13:33:32	,12-Aug-2008
266,	8.7,	42.5,	25,	0.3513	,13:34:32	,12-Aug-2008
267,	6.8,	42.6,	25,	0.4240	,13:35:32	,12-Aug-2008
268,	6.2,	42.6,	25,	0.3736	,13:36:32	,12-Aug-2008
269,	7.0,	42.7,	25,	0.3026	,13:37:32	,12-Aug-2008
270,	9.1,	42.7,	25,	0.3525	,13:38:32	,12-Aug-2008
271,	10.3,	42.7,	25,	0.5553	,13:39:32	,12-Aug-2008
272,	7.5,	42.8,	25,	0.6965	,13:40:32	,12-Aug-2008
273,	7.9,	42.8,	25,	0.3624	,13:41:32	,12-Aug-2008
274,	8.3,	42.9,	25,	0.3878	,13:42:32	,12-Aug-2008
275,	9.1,	42.9,	25,	0.3970	,13:43:32	,12-Aug-2008
276,	9.4,	43.0,	24,	0.5580	,13:44:32	,12-Aug-2008
277,	8.9,	43.0,	24,	1.4209	,13:45:32	,12-Aug-2008
278,	10.7,	43.0,	24,	0.6237	,13:46:32	,12-Aug-2008
279,	9.1,	43.0,	24,	1.2872	,13:47:32	,12-Aug-2008
280,	11.3,	43.0,	24,	0.4469	,13:48:32	,12-Aug-2008
281,	8.6,	43.1,	24,	0.4017	,13:49:32	,12-Aug-2008
282,	9.0,	43.1,	24,	0.6036	,13:50:32	,12-Aug-2008
283,	8.7,	43.1,	24,	1.0642	,13:51:32	,12-Aug-2008
284,	12.6,	43.1,	24,	0.7563	,13:52:32	,12-Aug-2008
285,	15.4,	43.1,	24,	1.5967	,13:53:32	,12-Aug-2008
286,	15.4,	43.1,	24,	1.3106	,13:54:32	,12-Aug-2008
287,	11.4,	43.1,	24,	1.1715	,13:55:32	,12-Aug-2008
288,	8.9,	43.0,	23,	0.3103	,13:56:32	,12-Aug-2008
289,	12.5,	43.0,	24,	0.5642	,13:57:32	,12-Aug-2008
290,	9.7,	43.0,	24,	0.5926	,13:58:32	,12-Aug-2008

291,	11.2,	43.0,	24,	1.3713	,13:59:32	,12-Aug-2008
292,	11.3,	43.0,	24,	1.3416	,14:00:32	,12-Aug-2008
293,	9.7,	43.0,	24,	1.1388	,14:01:32	,12-Aug-2008
294,	6.9,	43.0,	24,	0.3125	,14:02:32	,12-Aug-2008
295,	8.7,	43.0,	23,	0.4246	,14:03:32	,12-Aug-2008
296,	9.7,	43.0,	24,	0.6553	,14:04:32	,12-Aug-2008
297,	9.6,	43.0,	23,	0.6268	,14:05:32	,12-Aug-2008
298,	7.5,	43.1,	24,	0.4863	,14:06:32	,12-Aug-2008
299,	11.6,	43.1,	23,	0.8354	,14:07:32	,12-Aug-2008
300,	14.3,	43.1,	24,	0.6421	,14:08:32	,12-Aug-2008
301,	12.9,	43.1,	24,	0.6112	,14:09:32	,12-Aug-2008
302,	11.3,	43.2,	24,	0.8985	,14:10:32	,12-Aug-2008
303,	12.9,	43.2,	24,	1.9536	,14:11:32	,12-Aug-2008
304,	8.4,	43.2,	23,	0.5161	,14:12:32	,12-Aug-2008
305,	9.2,	43.3,	23,	0.5205	,14:13:32	,12-Aug-2008
306,	8.2,	43.3,	23,	0.5781	,14:14:32	,12-Aug-2008
307,	9.7,	43.4,	23,	0.8808	,14:15:32	,12-Aug-2008
308,	11.9,	43.4,	23,	0.7107	,14:16:32	,12-Aug-2008
309,	6.8,	43.4,	23,	0.3090	,14:17:32	,12-Aug-2008
310,	9.5,	43.5,	23,	0.4014	,14:18:32	,12-Aug-2008
311,	8.2,	43.5,	23,	0.5209	,14:19:32	,12-Aug-2008
312,	8.6,	43.5,	23,	0.4876	,14:20:32	,12-Aug-2008
313,	6.5,	43.5,	23,	0.6773	,14:21:32	,12-Aug-2008
314,	17.4,	43.5,	23,	1.5420	,14:22:32	,12-Aug-2008
315,	14.0,	43.6,	23,	1.7547	,14:23:32	,12-Aug-2008
316,	5.7,	43.6,	23,	0.4539	,14:24:32	,12-Aug-2008
317,	9.2,	43.6,	23,	0.6552	,14:25:32	,12-Aug-2008
318,	7.6,	43.7,	23,	0.3135	,14:26:32	,12-Aug-2008
319,	6.7,	43.7,	23,	0.2671	,14:27:32	,12-Aug-2008
320,	11.2,	43.8,	23,	0.5577	,14:28:32	,12-Aug-2008
321,	7.1,	43.8,	23,	0.3461	,14:29:32	,12-Aug-2008
322,	10.9,	43.9,	23,	0.5324	,14:30:32	,12-Aug-2008
323,	11.7,	43.9,	23,	0.7112	,14:31:32	,12-Aug-2008
324,	11.6,	43.9,	22,	0.9803	,14:32:32	,12-Aug-2008
325,	15.5,	43.9,	22,	3.4669	,14:33:32	,12-Aug-2008
326,	14.2,	43.9,	22,	2.3627	,14:34:32	,12-Aug-2008
327,	19.4,	43.9,	22,	2.0277	,14:35:32	,12-Aug-2008
328,	9.1,	43.9,	22,	0.6075	,14:36:32	,12-Aug-2008
329,	20.6,	43.8,	22,	3.3981	,14:37:32	,12-Aug-2008
330,	18.8,	43.8,	22,	3.6183	,14:38:32	,12-Aug-2008
331,	17.4,	43.8,	22,	3.1912	,14:39:32	,12-Aug-2008
332,	12.1,	43.8,	22,	1.1730	,14:40:32	,12-Aug-2008
333,	11.9,	43.7,	22,	0.5318	,14:41:32	,12-Aug-2008
334,	23.8,	43.7,	22,	2.1796	,14:42:32	,12-Aug-2008
335,	23.9,	43.7,	22,	1.9080	,14:43:32	,12-Aug-2008
336,	23.4,	43.7,	22,	1.4293	,14:44:32	,12-Aug-2008
337,	13.1,	43.6,	22,	1.0274	,14:45:32	,12-Aug-2008
338,	6.8,	43.6,	22,	0.3888	,14:46:32	,12-Aug-2008
339,	21.0,	43.5,	22,	1.4554	,14:47:32	,12-Aug-2008
340,	9.4,	43.5,	22,	0.4030	,14:48:32	,12-Aug-2008
341,	7.0,	43.4,	22,	0.5079	,14:49:32	,12-Aug-2008
342,	8.8,	43.3,	22,	0.2934	,14:50:32	,12-Aug-2008
343,	13.6,	43.3,	22,	0.7146	,14:51:32	,12-Aug-2008
344,	14.7,	43.2,	22,	0.8771	,14:52:32	,12-Aug-2008
345,	11.7,	43.1,	22,	2.0621	,14:53:32	,12-Aug-2008
346,	6.8,	43.1,	22,	0.4143	,14:54:32	,12-Aug-2008
347,	9.8,	43.0,	22,	0.3902	,14:55:32	,12-Aug-2008
348,	9.0,	43.0,	22,	0.4910	,14:56:32	,12-Aug-2008
349,	11.0,	42.9,	22,	1.0065	,14:57:32	,12-Aug-2008
350,	24.6,	42.8,	22,	1.4564	,14:58:32	,12-Aug-2008
351,	16.5,	42.7,	22,	2.6595	,14:59:32	,12-Aug-2008
352,	8.7,	42.7,	22,	1.4690	,15:00:32	,12-Aug-2008
353,	12.0,	42.6,	22,	1.6637	,15:01:32	,12-Aug-2008

354,	8.9,	42.5,	22,	0.7585	,15:02:32	,12-Aug-2008
355,	10.3,	42.4,	22,	0.8382	,15:03:32	,12-Aug-2008
356,	12.0,	42.3,	22,	2.4529	,15:04:32	,12-Aug-2008
357,	9.9,	42.2,	22,	0.5536	,15:05:32	,12-Aug-2008
358,	9.5,	42.1,	22,	0.7572	,15:06:32	,12-Aug-2008
359,	8.1,	42.0,	22,	0.5214	,15:07:32	,12-Aug-2008
360,	5.8,	41.9,	22,	0.3043	,15:08:32	,12-Aug-2008
361,	9.8,	41.8,	22,	0.4057	,15:09:32	,12-Aug-2008
362,	8.8,	41.7,	22,	1.9122	,15:10:32	,12-Aug-2008
363,	12.5,	41.6,	22,	0.6291	,15:11:32	,12-Aug-2008
364,	13.0,	41.6,	22,	2.1094	,15:12:32	,12-Aug-2008
365,	15.7,	41.5,	23,	1.2277	,15:13:32	,12-Aug-2008
366,	7.7,	41.4,	22,	0.2962	,15:14:32	,12-Aug-2008
367,	14.0,	41.3,	22,	0.5258	,15:15:32	,12-Aug-2008
368,	18.4,	41.2,	23,	2.6144	,15:16:32	,12-Aug-2008
369,	10.9,	41.1,	23,	1.0970	,15:17:32	,12-Aug-2008
370,	5.4,	41.0,	23,	0.3388	,15:18:32	,12-Aug-2008
371,	8.7,	41.0,	23,	0.5213	,15:19:32	,12-Aug-2008
372,	10.7,	40.8,	23,	1.8664	,15:20:32	,12-Aug-2008
373,	10.7,	40.7,	23,	1.2430	,15:21:32	,12-Aug-2008
374,	11.5,	40.7,	23,	0.8522	,15:22:32	,12-Aug-2008
375,	14.3,	40.6,	23,	2.2761	,15:23:32	,12-Aug-2008
376,	11.6,	40.6,	23,	2.5703	,15:24:32	,12-Aug-2008
377,	11.8,	40.5,	23,	1.1676	,15:25:32	,12-Aug-2008
378,	13.3,	40.5,	23,	1.1732	,15:26:32	,12-Aug-2008
379,	14.2,	40.4,	23,	2.2314	,15:27:32	,12-Aug-2008
380,	15.1,	40.3,	23,	2.6029	,15:28:32	,12-Aug-2008
381,	10.5,	40.3,	23,	0.7027	,15:29:32	,12-Aug-2008
382,	14.0,	40.3,	24,	0.6267	,15:30:32	,12-Aug-2008
383,	10.5,	40.2,	24,	0.8815	,15:31:32	,12-Aug-2008
384,	8.6,	40.2,	24,	0.9920	,15:32:32	,12-Aug-2008
385,	9.9,	40.2,	24,	1.0092	,15:33:32	,12-Aug-2008
386,	8.4,	40.1,	24,	0.3777	,15:34:32	,12-Aug-2008
387,	8.4,	40.1,	24,	0.6200	,15:35:32	,12-Aug-2008
388,	10.3,	40.1,	24,	1.8019	,15:36:32	,12-Aug-2008
389,	8.3,	40.1,	24,	1.3239	,15:37:32	,12-Aug-2008
390,	5.8,	40.1,	24,	0.3821	,15:38:32	,12-Aug-2008
391,	2.5,	40.1,	24,	0.3335	,15:39:32	,12-Aug-2008
392,	3.1,	40.1,	24,	0.2960	,15:40:32	,12-Aug-2008
393,	5.5,	40.1,	24,	0.3420	,15:41:32	,12-Aug-2008
394,	6.6,	40.1,	24,	0.4938	,15:42:32	,12-Aug-2008
395,	6.9,	40.1,	24,	0.4461	,15:43:32	,12-Aug-2008
396,	6.0,	40.1,	24,	0.3493	,15:44:32	,12-Aug-2008
397,	9.5,	40.1,	24,	1.5369	,15:45:32	,12-Aug-2008
398,	6.2,	40.0,	24,	1.0021	,15:46:32	,12-Aug-2008
399,	5.2,	40.0,	24,	0.3136	,15:47:32	,12-Aug-2008
400,	7.8,	40.0,	24,	0.3484	,15:48:32	,12-Aug-2008
401,	7.1,	40.0,	24,	0.6312	,15:49:32	,12-Aug-2008
402,	6.4,	40.0,	24,	1.0386	,15:50:32	,12-Aug-2008
403,	3.4,	40.0,	24,	0.3652	,15:51:32	,12-Aug-2008
404,	3.3,	40.0,	24,	0.4932	,15:52:32	,12-Aug-2008
405,	3.2,	40.0,	24,	0.3903	,15:53:32	,12-Aug-2008
406,	4.0,	40.0,	24,	0.3347	,15:54:32	,12-Aug-2008
407,	5.9,	40.1,	24,	0.6778	,15:55:32	,12-Aug-2008
408,	6.9,	40.1,	24,	1.1335	,15:56:32	,12-Aug-2008
409,	4.9,	40.1,	24,	0.4370	,15:57:32	,12-Aug-2008
410,	9.4,	40.1,	24,	0.8750	,15:58:32	,12-Aug-2008
411,	13.7,	40.1,	24,	2.7131	,15:59:32	,12-Aug-2008
412,	11.1,	40.1,	24,	2.7373	,16:00:32	,12-Aug-2008
413,	8.3,	40.1,	24,	0.5045	,16:01:32	,12-Aug-2008
414,	5.1,	40.1,	24,	0.2922	,16:02:32	,12-Aug-2008
415,	7.4,	40.1,	24,	0.3140	,16:03:32	,12-Aug-2008
416,	5.7,	40.1,	24,	0.3094	,16:04:32	,12-Aug-2008

Air Monitor Results CRZ (8-12-08)

417,	8.0,	40.1,	24,	0.9184	,16:05:32	,12-Aug-2008
418,	5.9,	40.1,	24,	0.3654	,16:06:32	,12-Aug-2008
419,	8.7,	40.1,	24,	0.5330	,16:07:32	,12-Aug-2008
420,	4.6,	40.2,	24,	0.3907	,16:08:32	,12-Aug-2008
421,	4.9,	40.2,	24,	0.6429	,16:09:32	,12-Aug-2008
422,	6.3,	40.2,	24,	0.6987	,16:10:32	,12-Aug-2008
423,	5.2,	40.2,	24,	0.3389	,16:11:32	,12-Aug-2008
424,	3.0,	40.2,	24,	0.2604	,16:12:32	,12-Aug-2008
425,	3.2,	40.2,	24,	0.2398	,16:13:32	,12-Aug-2008
426,	5.5,	40.2,	24,	0.3376	,16:14:32	,12-Aug-2008
427,	7.1,	40.2,	24,	0.4589	,16:15:32	,12-Aug-2008
428,	4.5,	40.2,	24,	0.5285	,16:16:32	,12-Aug-2008
429,	5.5,	40.2,	24,	0.7298	,16:17:32	,12-Aug-2008
430,	14.7,	40.3,	24,	3.3411	,16:18:32	,12-Aug-2008
431,	8.4,	40.3,	24,	1.6624	,16:19:32	,12-Aug-2008
432,	5.3,	40.3,	24,	1.8880	,16:20:32	,12-Aug-2008
433,	9.6,	40.2,	24,	0.7646	,16:21:32	,12-Aug-2008
434,	9.4,	40.3,	24,	0.8953	,16:22:32	,12-Aug-2008
435,	7.9,	40.2,	24,	1.3981	,16:23:32	,12-Aug-2008
436,	4.3,	40.2,	24,	0.3878	,16:24:32	,12-Aug-2008
437,	4.6,	40.2,	24,	0.3749	,16:25:32	,12-Aug-2008
438,	5.9,	40.2,	23,	0.9161	,16:26:32	,12-Aug-2008
439,	5.7,	40.2,	24,	1.3534	,16:27:32	,12-Aug-2008
440,	4.1,	40.2,	23,	0.5154	,16:28:32	,12-Aug-2008
441,	3.1,	40.2,	23,	0.3828	,16:29:32	,12-Aug-2008
442,	4.2,	40.1,	23,	0.4159	,16:30:32	,12-Aug-2008
443,	7.1,	40.1,	23,	0.6344	,16:31:32	,12-Aug-2008
444,	2.6,	40.0,	23,	0.4129	,16:32:32	,12-Aug-2008
445,	7.8,	40.0,	23,	1.2443	,16:33:32	,12-Aug-2008
446,	10.2,	40.0,	23,	1.5215	,16:34:32	,12-Aug-2008
447,	7.0,	39.9,	23,	0.5607	,16:35:32	,12-Aug-2008
448,	5.6,	39.9,	23,	0.6805	,16:36:32	,12-Aug-2008
449,	8.8,	39.9,	23,	1.5349	,16:37:32	,12-Aug-2008
450,	18.0,	39.8,	23,	1.5404	,16:38:32	,12-Aug-2008
451,	15.0,	39.7,	23,	0.4962	,16:39:32	,12-Aug-2008
452,	7.0,	39.7,	23,	0.3431	,16:40:32	,12-Aug-2008
453,	10.8,	39.6,	23,	0.8808	,16:41:32	,12-Aug-2008
454,	16.5,	39.6,	23,	1.0553	,16:42:32	,12-Aug-2008
455,	7.9,	39.5,	23,	1.5722	,16:43:32	,12-Aug-2008
456,	3.0,	39.4,	23,	0.4116	,16:44:32	,12-Aug-2008
457,	6.5,	39.4,	23,	1.9112	,16:45:32	,12-Aug-2008

Air Monitor Results East (8-12-08)

"Model Number", "DataRAM 4 ", 106
"Serial no. ", "D199 "
"Device no. ", 1
"Tag Number ", 1
"Start Time ", 08:42:01
"Start Date ", 12-Aug-2008
"Log Period ", 00:01:00
"Number ", 480
"CalFactor ", 1.000000
"Unit ", 0
"Unit Name ", "(MASS)ug/m3"
"SIZE_CORRECT", "DISABLED"
"TEMPUNITS ", C
"Max MASS ", 93.790680
"Max MASS @ ", 173 ,11:35:01 ,12-Aug-2008
"Avg MASS ", 14.689370
"Max Diam ", 1.223070
"Max Diam @ ", 477 ,16:39:01 ,12-Aug-2008
"Avg Diam ", 0.376216
"ALARM ", "DISABLED"
"ALARM_LEVEL ", 0.0
"AUTO_ZERO ", "DISABLED"
"AZ INTERVAL ", 10
"Errors ", 0000

record,	"(MASS)ug/m3",	Temp,	RHumidity,	Diameter		
1,	28.2,	24.6,	30,	0.5943	,08:43:01	,12-Aug-2008
2,	20.5,	24.6,	35,	0.6074	,08:44:01	,12-Aug-2008
3,	36.2,	24.6,	39,	0.9114	,08:45:01	,12-Aug-2008
4,	16.9,	24.5,	41,	0.6114	,08:46:01	,12-Aug-2008
5,	15.6,	24.4,	43,	0.4802	,08:47:01	,12-Aug-2008
6,	17.2,	24.3,	44,	0.4741	,08:48:01	,12-Aug-2008
7,	50.7,	24.2,	45,	0.8109	,08:49:01	,12-Aug-2008
8,	18.8,	24.2,	46,	0.8036	,08:50:01	,12-Aug-2008
9,	11.6,	24.1,	47,	0.3938	,08:51:01	,12-Aug-2008
10,	24.5,	24.0,	47,	0.4016	,08:52:01	,12-Aug-2008
11,	29.8,	23.9,	48,	0.6640	,08:53:01	,12-Aug-2008
12,	44.7,	23.9,	49,	0.4025	,08:54:01	,12-Aug-2008
13,	18.8,	23.7,	49,	0.4544	,08:55:01	,12-Aug-2008
14,	17.9,	23.7,	50,	0.4119	,08:56:01	,12-Aug-2008
15,	13.2,	23.6,	50,	0.3531	,08:57:01	,12-Aug-2008
16,	11.6,	23.6,	51,	0.3394	,08:58:01	,12-Aug-2008
17,	12.2,	23.5,	51,	0.3639	,08:59:01	,12-Aug-2008
18,	15.5,	23.4,	52,	0.4334	,09:00:01	,12-Aug-2008
19,	15.0,	23.4,	52,	0.3759	,09:01:01	,12-Aug-2008
20,	12.6,	23.3,	53,	0.3904	,09:02:01	,12-Aug-2008
21,	10.4,	23.3,	53,	0.3082	,09:03:01	,12-Aug-2008
22,	11.7,	23.2,	53,	0.2956	,09:04:01	,12-Aug-2008
23,	12.7,	23.2,	53,	0.3488	,09:05:01	,12-Aug-2008
24,	34.8,	23.2,	54,	0.4546	,09:06:01	,12-Aug-2008
25,	18.5,	23.1,	54,	0.3834	,09:07:01	,12-Aug-2008
26,	43.8,	23.1,	55,	0.4915	,09:08:01	,12-Aug-2008
27,	15.2,	23.1,	55,	0.4626	,09:09:01	,12-Aug-2008
28,	14.9,	23.0,	55,	0.3521	,09:10:01	,12-Aug-2008
29,	11.4,	23.0,	55,	0.3006	,09:11:01	,12-Aug-2008
30,	17.7,	23.0,	56,	0.3556	,09:12:01	,12-Aug-2008
31,	14.4,	23.0,	56,	0.3136	,09:13:01	,12-Aug-2008
32,	13.5,	23.0,	56,	0.2764	,09:14:01	,12-Aug-2008
33,	21.5,	23.0,	56,	0.3904	,09:15:01	,12-Aug-2008
34,	12.3,	23.0,	57,	0.3411	,09:16:01	,12-Aug-2008
35,	10.8,	23.0,	57,	0.2808	,09:17:01	,12-Aug-2008
36,	12.0,	23.0,	57,	0.3058	,09:18:01	,12-Aug-2008
37,	11.2,	23.0,	57,	0.2832	,09:19:01	,12-Aug-2008
38,	12.0,	22.9,	57,	0.2695	,09:20:01	,12-Aug-2008

39,	12.8,	22.9,	57,	0.3083	,09:21:01	,12-Aug-2008
40,	12.3,	22.9,	58,	0.3120	,09:22:01	,12-Aug-2008
41,	13.9,	22.9,	58,	0.2856	,09:23:01	,12-Aug-2008
42,	12.0,	22.9,	58,	0.2870	,09:24:01	,12-Aug-2008
43,	11.5,	22.9,	58,	0.2769	,09:25:01	,12-Aug-2008
44,	12.3,	22.9,	58,	0.3030	,09:26:01	,12-Aug-2008
45,	13.5,	22.9,	58,	0.3214	,09:27:01	,12-Aug-2008
46,	12.9,	22.9,	59,	0.2800	,09:28:01	,12-Aug-2008
47,	14.1,	22.9,	59,	0.3260	,09:29:01	,12-Aug-2008
48,	14.3,	22.9,	59,	0.3507	,09:30:01	,12-Aug-2008
49,	12.4,	22.9,	59,	0.3110	,09:31:01	,12-Aug-2008
50,	12.6,	22.9,	59,	0.2672	,09:32:01	,12-Aug-2008
51,	14.2,	22.9,	59,	0.3424	,09:33:01	,12-Aug-2008
52,	15.2,	22.9,	59,	0.3260	,09:34:01	,12-Aug-2008
53,	31.4,	22.9,	59,	0.4960	,09:35:01	,12-Aug-2008
54,	23.0,	22.9,	59,	0.4338	,09:36:01	,12-Aug-2008
55,	18.3,	22.9,	59,	0.3503	,09:37:01	,12-Aug-2008
56,	46.7,	22.9,	59,	0.4673	,09:38:01	,12-Aug-2008
57,	74.6,	22.9,	59,	0.5809	,09:39:01	,12-Aug-2008
58,	21.0,	23.0,	59,	0.3587	,09:40:01	,12-Aug-2008
59,	17.9,	23.0,	59,	0.3861	,09:41:01	,12-Aug-2008
60,	17.6,	23.0,	59,	0.2861	,09:42:01	,12-Aug-2008
61,	14.1,	23.0,	59,	0.2757	,09:43:01	,12-Aug-2008
62,	12.4,	23.0,	59,	0.2893	,09:44:01	,12-Aug-2008
63,	11.2,	23.1,	59,	0.2740	,09:45:01	,12-Aug-2008
64,	12.8,	23.1,	59,	0.3136	,09:46:01	,12-Aug-2008
65,	11.0,	23.1,	59,	0.2608	,09:47:01	,12-Aug-2008
66,	15.7,	23.1,	60,	0.2616	,09:48:01	,12-Aug-2008
67,	17.4,	23.1,	59,	0.2993	,09:49:01	,12-Aug-2008
68,	14.6,	23.1,	59,	0.2820	,09:50:01	,12-Aug-2008
69,	16.2,	23.1,	60,	0.3281	,09:51:01	,12-Aug-2008
70,	17.0,	23.1,	60,	0.3643	,09:52:01	,12-Aug-2008
71,	14.0,	23.1,	60,	0.2847	,09:53:01	,12-Aug-2008
72,	13.3,	23.1,	60,	0.2697	,09:54:01	,12-Aug-2008
73,	13.3,	23.2,	60,	0.2997	,09:55:01	,12-Aug-2008
74,	14.6,	23.2,	60,	0.3411	,09:56:01	,12-Aug-2008
75,	13.5,	23.2,	60,	0.2884	,09:57:01	,12-Aug-2008
76,	11.4,	23.2,	60,	0.2876	,09:58:01	,12-Aug-2008
77,	11.6,	23.2,	60,	0.2868	,09:59:01	,12-Aug-2008
78,	11.9,	23.3,	60,	0.2663	,10:00:01	,12-Aug-2008
79,	14.3,	23.3,	60,	0.3454	,10:01:01	,12-Aug-2008
80,	12.3,	23.3,	60,	0.3281	,10:02:01	,12-Aug-2008
81,	12.3,	23.4,	59,	0.2820	,10:03:01	,12-Aug-2008
82,	11.6,	23.4,	59,	0.2868	,10:04:01	,12-Aug-2008
83,	10.5,	23.4,	60,	0.2605	,10:05:01	,12-Aug-2008
84,	11.2,	23.5,	59,	0.2536	,10:06:01	,12-Aug-2008
85,	11.3,	23.5,	59,	0.2736	,10:07:01	,12-Aug-2008
86,	13.4,	23.6,	59,	0.3298	,10:08:01	,12-Aug-2008
87,	12.4,	23.6,	60,	0.2646	,10:09:01	,12-Aug-2008
88,	16.0,	23.6,	60,	0.2936	,10:10:01	,12-Aug-2008
89,	14.4,	23.7,	59,	0.3346	,10:11:01	,12-Aug-2008
90,	12.3,	23.7,	59,	0.2928	,10:12:01	,12-Aug-2008
91,	11.6,	23.7,	59,	0.2804	,10:13:01	,12-Aug-2008
92,	11.0,	23.8,	59,	0.2532	,10:14:01	,12-Aug-2008
93,	10.4,	23.8,	59,	0.2383	,10:15:01	,12-Aug-2008
94,	10.8,	23.9,	59,	0.2708	,10:16:01	,12-Aug-2008
95,	10.7,	23.9,	59,	0.2532	,10:17:01	,12-Aug-2008
96,	11.6,	23.9,	59,	0.2829	,10:18:01	,12-Aug-2008
97,	11.4,	23.9,	59,	0.2796	,10:19:01	,12-Aug-2008
98,	11.2,	24.0,	59,	0.2961	,10:20:01	,12-Aug-2008
99,	10.6,	24.0,	59,	0.2395	,10:21:01	,12-Aug-2008
100,	10.1,	24.1,	59,	0.2524	,10:22:01	,12-Aug-2008
101,	10.9,	24.1,	58,	0.2534	,10:23:01	,12-Aug-2008

102,	11.3,	24.2,	58,	0.2598	,10:24:01	,12-Aug-2008
103,	12.7,	24.2,	58,	0.2536	,10:25:01	,12-Aug-2008
104,	14.7,	24.2,	58,	0.2629	,10:26:01	,12-Aug-2008
105,	12.1,	24.3,	58,	0.3001	,10:27:01	,12-Aug-2008
106,	11.4,	24.3,	58,	0.3033	,10:28:01	,12-Aug-2008
107,	11.0,	24.4,	58,	0.2828	,10:29:01	,12-Aug-2008
108,	11.0,	24.5,	58,	0.2460	,10:30:01	,12-Aug-2008
109,	11.6,	24.5,	58,	0.2675	,10:31:01	,12-Aug-2008
110,	15.2,	24.6,	58,	0.3047	,10:32:01	,12-Aug-2008
111,	12.7,	24.6,	58,	0.2918	,10:33:01	,12-Aug-2008
112,	14.7,	24.7,	58,	0.3641	,10:34:01	,12-Aug-2008
113,	12.5,	24.8,	58,	0.3155	,10:35:01	,12-Aug-2008
114,	13.5,	24.9,	58,	0.2872	,10:36:01	,12-Aug-2008
115,	13.8,	25.0,	57,	0.3046	,10:37:01	,12-Aug-2008
116,	13.7,	25.1,	57,	0.3108	,10:38:01	,12-Aug-2008
117,	14.7,	25.2,	57,	0.3117	,10:39:01	,12-Aug-2008
118,	16.5,	25.3,	57,	0.3240	,10:40:01	,12-Aug-2008
119,	17.7,	25.4,	57,	0.3786	,10:41:01	,12-Aug-2008
120,	19.3,	25.5,	57,	0.3861	,10:42:01	,12-Aug-2008
121,	18.6,	25.6,	56,	0.3586	,10:43:01	,12-Aug-2008
122,	18.5,	25.7,	56,	0.3609	,10:44:01	,12-Aug-2008
123,	17.7,	25.8,	56,	0.3473	,10:45:01	,12-Aug-2008
124,	16.1,	25.9,	55,	0.3618	,10:46:01	,12-Aug-2008
125,	16.9,	26.0,	55,	0.3380	,10:47:01	,12-Aug-2008
126,	15.6,	26.1,	55,	0.3348	,10:48:01	,12-Aug-2008
127,	18.5,	26.2,	54,	0.3499	,10:49:01	,12-Aug-2008
128,	15.3,	26.2,	54,	0.3293	,10:50:01	,12-Aug-2008
129,	15.4,	26.3,	54,	0.3426	,10:51:01	,12-Aug-2008
130,	14.1,	26.4,	53,	0.2805	,10:52:01	,12-Aug-2008
131,	13.0,	26.5,	53,	0.2631	,10:53:01	,12-Aug-2008
132,	13.0,	26.6,	53,	0.2709	,10:54:01	,12-Aug-2008
133,	16.2,	26.6,	53,	0.3200	,10:55:01	,12-Aug-2008
134,	24.4,	26.7,	53,	0.4607	,10:56:01	,12-Aug-2008
135,	18.3,	26.8,	53,	0.3423	,10:57:01	,12-Aug-2008
136,	18.4,	26.9,	53,	0.4452	,10:58:01	,12-Aug-2008
137,	18.0,	27.0,	53,	0.4411	,10:59:01	,12-Aug-2008
138,	16.9,	27.1,	52,	0.3800	,11:00:01	,12-Aug-2008
139,	16.9,	27.2,	52,	0.3577	,11:01:01	,12-Aug-2008
140,	17.3,	27.2,	52,	0.3395	,11:02:01	,12-Aug-2008
141,	18.4,	27.3,	52,	0.3411	,11:03:01	,12-Aug-2008
142,	32.3,	27.4,	52,	0.6154	,11:04:01	,12-Aug-2008
143,	18.5,	27.5,	52,	0.3910	,11:05:01	,12-Aug-2008
144,	29.3,	27.6,	51,	0.4907	,11:06:01	,12-Aug-2008
145,	16.8,	27.6,	51,	0.3440	,11:07:01	,12-Aug-2008
146,	14.7,	27.7,	51,	0.3024	,11:08:01	,12-Aug-2008
147,	15.4,	27.8,	51,	0.3471	,11:09:01	,12-Aug-2008
148,	16.2,	27.9,	50,	0.3763	,11:10:01	,12-Aug-2008
149,	16.3,	28.0,	50,	0.3476	,11:11:01	,12-Aug-2008
150,	18.2,	28.0,	50,	0.3736	,11:12:01	,12-Aug-2008
151,	16.6,	28.1,	49,	0.3826	,11:13:01	,12-Aug-2008
152,	12.9,	28.1,	50,	0.2779	,11:14:01	,12-Aug-2008
153,	13.1,	28.2,	50,	0.3321	,11:15:01	,12-Aug-2008
154,	11.1,	28.3,	50,	0.3067	,11:16:01	,12-Aug-2008
155,	10.2,	28.4,	49,	0.2638	,11:17:01	,12-Aug-2008
156,	10.3,	28.5,	49,	0.2379	,11:18:01	,12-Aug-2008
157,	11.9,	28.5,	49,	0.2472	,11:19:01	,12-Aug-2008
158,	13.0,	28.6,	49,	0.2641	,11:20:01	,12-Aug-2008
159,	13.2,	28.7,	49,	0.2881	,11:21:01	,12-Aug-2008
160,	13.1,	28.8,	49,	0.2647	,11:22:01	,12-Aug-2008
161,	16.6,	28.9,	49,	0.3544	,11:23:01	,12-Aug-2008
162,	9.9,	29.0,	48,	0.2773	,11:24:01	,12-Aug-2008
163,	8.8,	29.1,	48,	0.2550	,11:25:01	,12-Aug-2008
164,	8.5,	29.1,	48,	0.2512	,11:26:01	,12-Aug-2008

165,	56.0,	29.2,	48,	0.5806	,11:27:01	,12-Aug-2008
166,	26.7,	29.3,	48,	0.5205	,11:28:01	,12-Aug-2008
167,	23.1,	29.4,	48,	0.5088	,11:29:01	,12-Aug-2008
168,	12.4,	29.5,	48,	0.3099	,11:30:01	,12-Aug-2008
169,	12.6,	29.6,	48,	0.2731	,11:31:01	,12-Aug-2008
170,	11.9,	29.6,	47,	0.2423	,11:32:01	,12-Aug-2008
171,	12.5,	29.7,	47,	0.2493	,11:33:01	,12-Aug-2008
172,	34.3,	29.8,	47,	0.3610	,11:34:01	,12-Aug-2008
173,	93.8,	29.9,	47,	0.6556	,11:35:01	,12-Aug-2008
174,	33.0,	30.0,	47,	0.8501	,11:36:01	,12-Aug-2008
175,	32.5,	30.0,	47,	0.5904	,11:37:01	,12-Aug-2008
176,	26.4,	30.1,	46,	0.5632	,11:38:01	,12-Aug-2008
177,	36.1,	30.1,	46,	0.5896	,11:39:01	,12-Aug-2008
178,	31.7,	30.1,	46,	0.5694	,11:40:01	,12-Aug-2008
179,	25.4,	30.1,	46,	0.4902	,11:41:01	,12-Aug-2008
180,	24.4,	30.1,	46,	0.5126	,11:42:01	,12-Aug-2008
181,	13.7,	30.2,	46,	0.3767	,11:43:01	,12-Aug-2008
182,	15.2,	30.2,	46,	0.3419	,11:44:01	,12-Aug-2008
183,	15.1,	30.2,	45,	0.3379	,11:45:01	,12-Aug-2008
184,	18.3,	30.2,	45,	0.3851	,11:46:01	,12-Aug-2008
185,	15.7,	30.2,	45,	0.4072	,11:47:01	,12-Aug-2008
186,	14.8,	30.2,	45,	0.3499	,11:48:01	,12-Aug-2008
187,	10.6,	30.3,	45,	0.2731	,11:49:01	,12-Aug-2008
188,	12.9,	30.3,	45,	0.2558	,11:50:01	,12-Aug-2008
189,	11.5,	30.3,	45,	0.2924	,11:51:01	,12-Aug-2008
190,	16.0,	30.3,	45,	0.3411	,11:52:01	,12-Aug-2008
191,	14.7,	30.4,	45,	0.3293	,11:53:01	,12-Aug-2008
192,	26.2,	30.4,	46,	0.4819	,11:54:01	,12-Aug-2008
193,	17.5,	30.5,	45,	0.4821	,11:55:01	,12-Aug-2008
194,	17.4,	30.5,	45,	0.4045	,11:56:01	,12-Aug-2008
195,	22.2,	30.5,	45,	0.4838	,11:57:01	,12-Aug-2008
196,	21.0,	30.6,	45,	0.4296	,11:58:01	,12-Aug-2008
197,	16.8,	30.6,	45,	0.3830	,11:59:01	,12-Aug-2008
198,	18.2,	30.7,	45,	0.4300	,12:00:01	,12-Aug-2008
199,	15.0,	30.7,	45,	0.3290	,12:01:01	,12-Aug-2008
200,	13.2,	30.7,	45,	0.3371	,12:02:01	,12-Aug-2008
201,	15.9,	30.7,	45,	0.3811	,12:03:01	,12-Aug-2008
202,	16.6,	30.7,	44,	0.3843	,12:04:01	,12-Aug-2008
203,	19.2,	30.7,	45,	0.3853	,12:05:01	,12-Aug-2008
204,	17.6,	30.7,	45,	0.4238	,12:06:01	,12-Aug-2008
205,	81.9,	30.7,	45,	0.4767	,12:07:01	,12-Aug-2008
206,	13.2,	30.7,	45,	0.4716	,12:08:01	,12-Aug-2008
207,	11.5,	30.7,	44,	0.3080	,12:09:01	,12-Aug-2008
208,	9.9,	30.7,	44,	0.2567	,12:10:01	,12-Aug-2008
209,	11.1,	30.7,	45,	0.2843	,12:11:01	,12-Aug-2008
210,	12.2,	30.8,	45,	0.2971	,12:12:01	,12-Aug-2008
211,	11.9,	30.9,	45,	0.2104	,12:13:01	,12-Aug-2008
212,	12.4,	30.9,	44,	0.2673	,12:14:01	,12-Aug-2008
213,	12.1,	31.0,	44,	0.2959	,12:15:01	,12-Aug-2008
214,	12.8,	31.0,	44,	0.2774	,12:16:01	,12-Aug-2008
215,	13.9,	31.0,	44,	0.2660	,12:17:01	,12-Aug-2008
216,	14.2,	31.1,	44,	0.2960	,12:18:01	,12-Aug-2008
217,	15.7,	31.1,	44,	0.3120	,12:19:01	,12-Aug-2008
218,	14.0,	31.1,	44,	0.3045	,12:20:01	,12-Aug-2008
219,	14.3,	31.2,	44,	0.3074	,12:21:01	,12-Aug-2008
220,	15.0,	31.1,	44,	0.3207	,12:22:01	,12-Aug-2008
221,	13.2,	31.2,	44,	0.2914	,12:23:01	,12-Aug-2008
222,	13.6,	31.2,	44,	0.2834	,12:24:01	,12-Aug-2008
223,	14.7,	31.2,	44,	0.2893	,12:25:01	,12-Aug-2008
224,	16.3,	31.2,	44,	0.3697	,12:26:01	,12-Aug-2008
225,	14.3,	31.2,	44,	0.3205	,12:27:01	,12-Aug-2008
226,	15.0,	31.2,	44,	0.3677	,12:28:01	,12-Aug-2008
227,	13.8,	31.2,	44,	0.2773	,12:29:01	,12-Aug-2008

228,	14.5,	31.2,	44,	0.3018	,12:30:01	,12-Aug-2008
229,	13.9,	31.3,	44,	0.3223	,12:31:01	,12-Aug-2008
230,	13.7,	31.3,	44,	0.2981	,12:32:01	,12-Aug-2008
231,	15.1,	31.4,	44,	0.3407	,12:33:01	,12-Aug-2008
232,	16.1,	31.4,	44,	0.3064	,12:34:01	,12-Aug-2008
233,	14.3,	31.4,	43,	0.2807	,12:35:01	,12-Aug-2008
234,	15.0,	31.4,	43,	0.2675	,12:36:01	,12-Aug-2008
235,	15.6,	31.4,	43,	0.3462	,12:37:01	,12-Aug-2008
236,	14.3,	31.5,	43,	0.2643	,12:38:01	,12-Aug-2008
237,	13.7,	31.5,	43,	0.2910	,12:39:01	,12-Aug-2008
238,	12.1,	31.5,	43,	0.2801	,12:40:01	,12-Aug-2008
239,	11.0,	31.5,	43,	0.2641	,12:41:01	,12-Aug-2008
240,	11.0,	31.5,	43,	0.2523	,12:42:01	,12-Aug-2008
241,	11.7,	31.5,	43,	0.2247	,12:43:01	,12-Aug-2008
242,	12.7,	31.5,	43,	0.3164	,12:44:01	,12-Aug-2008
243,	11.3,	31.4,	43,	0.2423	,12:45:01	,12-Aug-2008
244,	11.8,	31.5,	43,	0.2738	,12:46:01	,12-Aug-2008
245,	10.8,	31.5,	44,	0.2435	,12:47:01	,12-Aug-2008
246,	11.4,	31.5,	43,	0.2552	,12:48:01	,12-Aug-2008
247,	10.8,	31.5,	44,	0.2530	,12:49:01	,12-Aug-2008
248,	12.8,	31.5,	44,	0.2900	,12:50:01	,12-Aug-2008
249,	16.3,	31.6,	43,	0.3571	,12:51:01	,12-Aug-2008
250,	18.0,	31.6,	44,	0.3596	,12:52:01	,12-Aug-2008
251,	15.3,	31.6,	43,	0.3234	,12:53:01	,12-Aug-2008
252,	14.4,	31.7,	43,	0.2793	,12:54:01	,12-Aug-2008
253,	15.0,	31.7,	43,	0.3071	,12:55:01	,12-Aug-2008
254,	14.0,	31.7,	43,	0.2985	,12:56:01	,12-Aug-2008
255,	14.3,	31.8,	43,	0.3346	,12:57:01	,12-Aug-2008
256,	16.0,	31.8,	43,	0.3588	,12:58:01	,12-Aug-2008
257,	14.4,	31.8,	43,	0.3706	,12:59:01	,12-Aug-2008
258,	13.1,	31.8,	43,	0.3664	,13:00:01	,12-Aug-2008
259,	11.9,	31.9,	43,	0.2915	,13:01:01	,12-Aug-2008
260,	14.3,	31.9,	43,	0.3417	,13:02:01	,12-Aug-2008
261,	16.0,	31.9,	43,	0.3708	,13:03:01	,12-Aug-2008
262,	20.3,	32.0,	43,	0.4172	,13:04:01	,12-Aug-2008
263,	17.8,	32.0,	43,	0.3587	,13:05:01	,12-Aug-2008
264,	16.6,	32.1,	43,	0.3412	,13:06:01	,12-Aug-2008
265,	16.0,	32.2,	42,	0.3867	,13:07:01	,12-Aug-2008
266,	14.7,	32.2,	42,	0.3183	,13:08:01	,12-Aug-2008
267,	16.7,	32.3,	42,	0.3991	,13:09:01	,12-Aug-2008
268,	14.7,	32.4,	42,	0.3139	,13:10:01	,12-Aug-2008
269,	14.6,	32.5,	42,	0.3168	,13:11:01	,12-Aug-2008
270,	15.5,	32.6,	42,	0.3435	,13:12:01	,12-Aug-2008
271,	14.8,	32.6,	42,	0.3703	,13:13:01	,12-Aug-2008
272,	13.3,	32.7,	42,	0.2886	,13:14:01	,12-Aug-2008
273,	11.2,	32.8,	42,	0.2470	,13:15:01	,12-Aug-2008
274,	11.3,	32.9,	42,	0.2494	,13:16:01	,12-Aug-2008
275,	12.6,	33.0,	41,	0.3074	,13:17:01	,12-Aug-2008
276,	13.0,	33.0,	41,	0.2798	,13:18:01	,12-Aug-2008
277,	11.5,	33.1,	41,	0.2969	,13:19:01	,12-Aug-2008
278,	12.4,	33.1,	41,	0.3545	,13:20:01	,12-Aug-2008
279,	12.7,	33.1,	41,	0.3676	,13:21:01	,12-Aug-2008
280,	11.9,	33.2,	41,	0.3342	,13:22:01	,12-Aug-2008
281,	12.7,	33.2,	41,	0.3577	,13:23:01	,12-Aug-2008
282,	14.5,	33.3,	41,	0.4608	,13:24:01	,12-Aug-2008
283,	15.6,	33.3,	41,	0.3773	,13:25:01	,12-Aug-2008
284,	15.8,	33.4,	41,	0.4380	,13:26:01	,12-Aug-2008
285,	13.0,	33.4,	41,	0.3507	,13:27:01	,12-Aug-2008
286,	14.8,	33.5,	40,	0.3645	,13:28:01	,12-Aug-2008
287,	14.8,	33.5,	40,	0.3469	,13:29:01	,12-Aug-2008
288,	11.3,	33.6,	40,	0.2893	,13:30:01	,12-Aug-2008
289,	19.5,	33.6,	40,	0.4734	,13:31:01	,12-Aug-2008
290,	13.5,	33.6,	40,	0.4438	,13:32:01	,12-Aug-2008

291,	13.8,	33.7,	40,	0.3485	,13:33:01	,12-Aug-2008
292,	14.6,	33.7,	40,	0.4409	,13:34:01	,12-Aug-2008
293,	12.2,	33.8,	40,	0.2749	,13:35:01	,12-Aug-2008
294,	11.8,	33.9,	39,	0.3093	,13:36:01	,12-Aug-2008
295,	12.3,	33.9,	39,	0.3155	,13:37:01	,12-Aug-2008
296,	10.7,	34.0,	39,	0.3018	,13:38:01	,12-Aug-2008
297,	11.2,	34.0,	39,	0.2816	,13:39:01	,12-Aug-2008
298,	12.8,	34.0,	40,	0.3122	,13:40:01	,12-Aug-2008
299,	14.4,	34.0,	39,	0.3634	,13:41:01	,12-Aug-2008
300,	18.2,	34.1,	39,	0.4334	,13:42:01	,12-Aug-2008
301,	20.0,	34.1,	39,	0.5442	,13:43:01	,12-Aug-2008
302,	20.7,	34.1,	39,	0.4911	,13:44:01	,12-Aug-2008
303,	18.8,	34.1,	39,	0.4095	,13:45:01	,12-Aug-2008
304,	19.9,	34.2,	39,	0.4270	,13:46:01	,12-Aug-2008
305,	20.9,	34.2,	39,	0.4499	,13:47:01	,12-Aug-2008
306,	18.7,	34.2,	39,	0.4192	,13:48:01	,12-Aug-2008
307,	16.2,	34.2,	39,	0.3247	,13:49:01	,12-Aug-2008
308,	25.9,	34.2,	39,	0.4308	,13:50:01	,12-Aug-2008
309,	17.8,	34.2,	39,	0.4478	,13:51:01	,12-Aug-2008
310,	17.5,	34.2,	39,	0.3524	,13:52:01	,12-Aug-2008
311,	14.7,	34.3,	39,	0.2831	,13:53:01	,12-Aug-2008
312,	19.9,	34.3,	38,	0.3586	,13:54:01	,12-Aug-2008
313,	17.8,	34.3,	38,	0.4883	,13:55:01	,12-Aug-2008
314,	15.6,	34.3,	38,	0.4244	,13:56:01	,12-Aug-2008
315,	13.6,	34.3,	38,	0.3913	,13:57:01	,12-Aug-2008
316,	13.9,	34.3,	37,	0.3385	,13:58:01	,12-Aug-2008
317,	18.9,	34.4,	37,	0.4602	,13:59:01	,12-Aug-2008
318,	16.1,	34.4,	37,	0.3684	,14:00:01	,12-Aug-2008
319,	14.0,	34.5,	37,	0.3763	,14:01:01	,12-Aug-2008
320,	16.8,	34.5,	37,	0.4608	,14:02:01	,12-Aug-2008
321,	13.6,	34.6,	37,	0.4261	,14:03:01	,12-Aug-2008
322,	11.7,	34.6,	37,	0.3210	,14:04:01	,12-Aug-2008
323,	13.1,	34.6,	37,	0.3806	,14:05:01	,12-Aug-2008
324,	10.9,	34.7,	37,	0.3438	,14:06:01	,12-Aug-2008
325,	11.5,	34.7,	37,	0.2953	,14:07:01	,12-Aug-2008
326,	11.7,	34.7,	37,	0.3216	,14:08:01	,12-Aug-2008
327,	12.2,	34.8,	37,	0.3443	,14:09:01	,12-Aug-2008
328,	12.0,	34.8,	37,	0.3634	,14:10:01	,12-Aug-2008
329,	15.3,	34.8,	37,	0.3684	,14:11:01	,12-Aug-2008
330,	18.4,	34.9,	37,	0.3851	,14:12:01	,12-Aug-2008
331,	12.0,	34.9,	37,	0.3236	,14:13:01	,12-Aug-2008
332,	11.4,	34.9,	37,	0.3105	,14:14:01	,12-Aug-2008
333,	11.4,	34.9,	37,	0.3791	,14:15:01	,12-Aug-2008
334,	12.0,	34.9,	37,	0.3718	,14:16:01	,12-Aug-2008
335,	11.4,	34.9,	37,	0.3198	,14:17:01	,12-Aug-2008
336,	10.3,	34.9,	37,	0.3474	,14:18:01	,12-Aug-2008
337,	11.3,	35.0,	36,	0.3976	,14:19:01	,12-Aug-2008
338,	10.7,	35.0,	36,	0.3024	,14:20:01	,12-Aug-2008
339,	11.5,	35.0,	37,	0.3559	,14:21:01	,12-Aug-2008
340,	11.8,	35.0,	37,	0.4242	,14:22:01	,12-Aug-2008
341,	12.0,	35.0,	37,	0.4815	,14:23:01	,12-Aug-2008
342,	11.3,	35.0,	37,	0.4241	,14:24:01	,12-Aug-2008
343,	10.3,	35.0,	36,	0.3786	,14:25:01	,12-Aug-2008
344,	10.6,	35.1,	36,	0.3616	,14:26:01	,12-Aug-2008
345,	10.3,	35.1,	37,	0.3448	,14:27:01	,12-Aug-2008
346,	10.1,	35.1,	37,	0.3125	,14:28:01	,12-Aug-2008
347,	11.2,	35.1,	37,	0.4083	,14:29:01	,12-Aug-2008
348,	10.8,	35.1,	37,	0.3780	,14:30:01	,12-Aug-2008
349,	10.4,	35.1,	37,	0.3002	,14:31:01	,12-Aug-2008
350,	11.4,	35.1,	36,	0.4396	,14:32:01	,12-Aug-2008
351,	10.4,	35.1,	36,	0.3943	,14:33:01	,12-Aug-2008
352,	10.6,	35.2,	36,	0.3985	,14:34:01	,12-Aug-2008
353,	12.3,	35.2,	36,	0.4518	,14:35:01	,12-Aug-2008

354,	16.0,	35.2,	36,	0.5866	,14:36:01	,12-Aug-2008
355,	30.3,	35.3,	36,	0.6450	,14:37:01	,12-Aug-2008
356,	15.3,	35.3,	36,	0.5152	,14:38:01	,12-Aug-2008
357,	14.9,	35.3,	36,	0.4472	,14:39:01	,12-Aug-2008
358,	15.7,	35.4,	36,	0.5249	,14:40:01	,12-Aug-2008
359,	15.7,	35.4,	35,	0.4175	,14:41:01	,12-Aug-2008
360,	10.7,	35.5,	35,	0.3412	,14:42:01	,12-Aug-2008
361,	16.1,	35.5,	35,	0.4336	,14:43:01	,12-Aug-2008
362,	27.4,	35.5,	35,	0.3976	,14:44:01	,12-Aug-2008
363,	13.3,	35.5,	35,	0.3347	,14:45:01	,12-Aug-2008
364,	14.4,	35.5,	35,	0.4427	,14:46:01	,12-Aug-2008
365,	11.4,	35.5,	35,	0.4796	,14:47:01	,12-Aug-2008
366,	10.2,	35.5,	35,	0.3510	,14:48:01	,12-Aug-2008
367,	14.9,	35.5,	35,	0.3356	,14:49:01	,12-Aug-2008
368,	11.8,	35.5,	35,	0.3043	,14:50:01	,12-Aug-2008
369,	10.3,	35.5,	35,	0.3701	,14:51:01	,12-Aug-2008
370,	16.8,	35.5,	35,	0.5708	,14:52:01	,12-Aug-2008
371,	14.7,	35.5,	34,	0.6700	,14:53:01	,12-Aug-2008
372,	16.3,	35.5,	34,	0.5777	,14:54:01	,12-Aug-2008
373,	11.5,	35.5,	34,	0.4782	,14:55:01	,12-Aug-2008
374,	15.3,	35.5,	34,	0.4509	,14:56:01	,12-Aug-2008
375,	12.2,	35.5,	34,	0.5349	,14:57:01	,12-Aug-2008
376,	9.5,	35.5,	34,	0.3222	,14:58:01	,12-Aug-2008
377,	9.0,	35.5,	34,	0.3394	,14:59:01	,12-Aug-2008
378,	9.8,	35.5,	34,	0.3323	,15:00:01	,12-Aug-2008
379,	9.8,	35.5,	34,	0.3696	,15:01:01	,12-Aug-2008
380,	8.8,	35.4,	34,	0.3346	,15:02:01	,12-Aug-2008
381,	10.4,	35.4,	34,	0.3119	,15:03:01	,12-Aug-2008
382,	14.6,	35.4,	34,	0.4339	,15:04:01	,12-Aug-2008
383,	12.0,	35.3,	34,	0.4334	,15:05:01	,12-Aug-2008
384,	10.8,	35.3,	34,	0.4246	,15:06:01	,12-Aug-2008
385,	12.6,	35.3,	34,	0.4570	,15:07:01	,12-Aug-2008
386,	13.5,	35.3,	34,	0.3861	,15:08:01	,12-Aug-2008
387,	11.2,	35.3,	34,	0.3782	,15:09:01	,12-Aug-2008
388,	9.5,	35.3,	34,	0.3106	,15:10:01	,12-Aug-2008
389,	22.2,	35.3,	34,	0.2632	,15:11:01	,12-Aug-2008
390,	15.4,	35.2,	34,	0.4055	,15:12:01	,12-Aug-2008
391,	10.7,	35.2,	34,	0.3156	,15:13:01	,12-Aug-2008
392,	15.6,	35.2,	34,	0.3334	,15:14:01	,12-Aug-2008
393,	12.4,	35.1,	34,	0.3918	,15:15:01	,12-Aug-2008
394,	11.1,	35.1,	34,	0.3353	,15:16:01	,12-Aug-2008
395,	15.1,	35.0,	34,	0.2873	,15:17:01	,12-Aug-2008
396,	19.9,	35.0,	34,	0.2989	,15:18:01	,12-Aug-2008
397,	12.8,	34.9,	35,	0.3566	,15:19:01	,12-Aug-2008
398,	14.5,	34.8,	35,	0.3391	,15:20:01	,12-Aug-2008
399,	12.2,	34.8,	35,	0.3635	,15:21:01	,12-Aug-2008
400,	10.6,	34.7,	35,	0.3614	,15:22:01	,12-Aug-2008
401,	9.7,	34.7,	35,	0.4065	,15:23:01	,12-Aug-2008
402,	9.9,	34.7,	35,	0.3438	,15:24:01	,12-Aug-2008
403,	9.4,	34.6,	35,	0.3613	,15:25:01	,12-Aug-2008
404,	8.8,	34.6,	35,	0.3193	,15:26:01	,12-Aug-2008
405,	15.6,	34.6,	35,	0.5100	,15:27:01	,12-Aug-2008
406,	12.8,	34.5,	35,	0.4938	,15:28:01	,12-Aug-2008
407,	11.5,	34.5,	35,	0.4263	,15:29:01	,12-Aug-2008
408,	10.6,	34.5,	35,	0.2980	,15:30:01	,12-Aug-2008
409,	12.5,	34.5,	35,	0.3441	,15:31:01	,12-Aug-2008
410,	14.0,	34.5,	36,	0.3395	,15:32:01	,12-Aug-2008
411,	9.1,	34.5,	36,	0.3741	,15:33:01	,12-Aug-2008
412,	10.2,	34.6,	35,	0.3303	,15:34:01	,12-Aug-2008
413,	22.6,	34.6,	35,	0.3378	,15:35:01	,12-Aug-2008
414,	8.5,	34.6,	35,	0.3406	,15:36:01	,12-Aug-2008
415,	8.8,	34.5,	35,	0.3382	,15:37:01	,12-Aug-2008
416,	9.4,	34.5,	35,	0.4105	,15:38:01	,12-Aug-2008

417,	6.5,	34.5,	35,	0.3298	,15:39:01	,12-Aug-2008
418,	10.0,	34.5,	35,	0.3144	,15:40:01	,12-Aug-2008
419,	18.0,	34.5,	35,	0.3866	,15:41:01	,12-Aug-2008
420,	15.5,	34.5,	35,	0.4727	,15:42:01	,12-Aug-2008
421,	7.5,	34.4,	35,	0.3767	,15:43:01	,12-Aug-2008
422,	16.8,	34.4,	35,	0.4936	,15:44:01	,12-Aug-2008
423,	11.5,	34.4,	35,	0.6077	,15:45:01	,12-Aug-2008
424,	7.2,	34.4,	35,	0.3663	,15:46:01	,12-Aug-2008
425,	15.9,	34.4,	35,	0.2622	,15:47:01	,12-Aug-2008
426,	10.2,	34.4,	35,	0.2805	,15:48:01	,12-Aug-2008
427,	7.1,	34.4,	35,	0.3652	,15:49:01	,12-Aug-2008
428,	7.0,	34.5,	35,	0.2943	,15:50:01	,12-Aug-2008
429,	6.4,	34.5,	35,	0.3178	,15:51:01	,12-Aug-2008
430,	7.1,	34.5,	35,	0.3597	,15:52:01	,12-Aug-2008
431,	6.6,	34.5,	35,	0.3596	,15:53:01	,12-Aug-2008
432,	6.2,	34.5,	35,	0.3384	,15:54:01	,12-Aug-2008
433,	7.9,	34.5,	35,	0.3689	,15:55:01	,12-Aug-2008
434,	6.7,	34.5,	35,	0.3418	,15:56:01	,12-Aug-2008
435,	7.3,	34.5,	35,	0.3771	,15:57:01	,12-Aug-2008
436,	11.1,	34.5,	35,	0.4940	,15:58:01	,12-Aug-2008
437,	8.4,	34.5,	35,	0.5034	,15:59:01	,12-Aug-2008
438,	11.2,	34.5,	35,	0.4680	,16:00:01	,12-Aug-2008
439,	9.6,	34.6,	35,	0.5076	,16:01:01	,12-Aug-2008
440,	9.4,	34.6,	35,	0.5074	,16:02:01	,12-Aug-2008
441,	6.8,	34.6,	35,	0.3513	,16:03:01	,12-Aug-2008
442,	15.4,	34.6,	35,	0.3321	,16:04:01	,12-Aug-2008
443,	10.0,	34.6,	35,	0.3801	,16:05:01	,12-Aug-2008
444,	7.5,	34.7,	35,	0.4410	,16:06:01	,12-Aug-2008
445,	8.9,	34.7,	34,	0.4881	,16:07:01	,12-Aug-2008
446,	7.8,	34.8,	34,	0.4232	,16:08:01	,12-Aug-2008
447,	6.6,	34.8,	35,	0.4670	,16:09:01	,12-Aug-2008
448,	5.8,	34.9,	35,	0.3933	,16:10:01	,12-Aug-2008
449,	8.1,	35.0,	35,	0.4814	,16:11:01	,12-Aug-2008
450,	8.2,	35.0,	34,	0.4339	,16:12:01	,12-Aug-2008
451,	8.6,	35.0,	34,	0.5689	,16:13:01	,12-Aug-2008
452,	7.0,	35.1,	34,	0.3757	,16:14:01	,12-Aug-2008
453,	6.2,	35.1,	34,	0.3707	,16:15:01	,12-Aug-2008
454,	7.1,	35.1,	34,	0.4118	,16:16:01	,12-Aug-2008
455,	10.7,	35.1,	34,	0.4374	,16:17:01	,12-Aug-2008
456,	8.5,	35.2,	34,	0.3266	,16:18:01	,12-Aug-2008
457,	6.6,	35.2,	34,	0.4618	,16:19:01	,12-Aug-2008
458,	10.0,	35.3,	34,	0.5678	,16:20:01	,12-Aug-2008
459,	7.9,	35.4,	34,	0.4968	,16:21:01	,12-Aug-2008
460,	7.2,	35.4,	33,	0.4609	,16:22:01	,12-Aug-2008
461,	8.4,	35.5,	33,	0.6859	,16:23:01	,12-Aug-2008
462,	8.5,	35.6,	33,	0.6676	,16:24:01	,12-Aug-2008
463,	7.2,	35.6,	33,	0.5482	,16:25:01	,12-Aug-2008
464,	7.5,	35.7,	33,	0.4236	,16:26:01	,12-Aug-2008
465,	11.2,	35.7,	33,	0.8670	,16:27:01	,12-Aug-2008
466,	7.7,	35.7,	33,	0.5714	,16:28:01	,12-Aug-2008
467,	6.9,	35.7,	33,	0.3788	,16:29:01	,12-Aug-2008
468,	5.1,	35.7,	32,	0.3992	,16:30:01	,12-Aug-2008
469,	6.8,	35.7,	32,	0.5493	,16:31:01	,12-Aug-2008
470,	11.0,	35.7,	32,	0.5806	,16:32:01	,12-Aug-2008
471,	8.4,	35.7,	32,	0.8037	,16:33:01	,12-Aug-2008
472,	6.7,	35.7,	32,	0.4674	,16:34:01	,12-Aug-2008
473,	7.1,	35.7,	32,	0.6090	,16:35:01	,12-Aug-2008
474,	6.8,	35.7,	32,	0.6382	,16:36:01	,12-Aug-2008
475,	5.7,	35.7,	32,	0.6206	,16:37:01	,12-Aug-2008
476,	8.1,	35.6,	32,	0.7867	,16:38:01	,12-Aug-2008
477,	9.3,	35.6,	32,	1.2231	,16:39:01	,12-Aug-2008
478,	4.9,	35.5,	32,	0.4178	,16:40:01	,12-Aug-2008
479,	5.7,	35.5,	32,	0.5191	,16:41:01	,12-Aug-2008

Air Monitor Results East (8-12-08)

480,	7.2,	35.5,	32,	0.7205	,16:42:01	,12-Aug-2008

PORT OF PORTLAND

DAILY DIARY

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

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

DAY OF WEEK & DATE: Wed., Aug 13, 2008 **REPORT NO.** 07

WEATHER Sunny **TEMPERATURE** 59L 84H

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)
Kamatsu PC 300 (Trac-hoe)
International Water Truck (4000gal)
Case 580L (Backhoe-Rental)
Bomag BW177 DH-3 (Single Steel Roller- Rental)
John Deere 650J (Small Dozer-Rental)
Kamatsu PC 200 (Trac-hoe)

CHRONOLOGICAL ACCOUNT OF DAY'S WORK:

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

(08:30) Project weekly meeting held at T4 admin building.
Contractor's updated work schedule still does not include relocating existing utilities.
Contractor is scheduled to begin hauling off contaminated stockpiles starting Thurs., 8-14, and will be building a construction entrance (3/C-5) to minimize tracking of sediment onto pavement.

NOTE:
HM30 was on standby/idled after 11:30 this morning and wasn't used for the remainder of the day.
PC200 mobilized on site Monday, 8-11, and has been used very little or not at all on this project.
JD 450 was replaced with JD650 (both rental's)

Envirocon crew on site and continue to concentrate clearing/grubbing and dressing up existing slopes down to elevation 10, from sta. 0+00 to sta 7+30.

PC300 and JD 450J continue stripping/ clearing and grubbing top of slope/bank from sta 0+00 to approx. 7+30, down to elevation 10, loading HM30 and stockpiling debris at sta. 0+50 to 2+00.

PC 300 has dressed up slopes (sta. 0+50 to sta. 6+50) and when exposing any additional large chunks of concrete is now placing concrete in the slope's low lying areas where it appears there will still be 4'-5' of fill on top of concrete to bottom of subgrade.
Port has directed contractor to have concrete blocks stockpiled on top of slope at sta. 0+50, to be hauled of site and recycled.

Last week, Contractor sampled the striping's (sta. 2+50) and contaminated common excavation (sta.0+50 to sta.1+50) stockpiles for leaching purposes and results rec'd this week verified that the material can be taken to the Wasco county landfill.
Two dump trucks with pups were loaded late today with striping's/common excavation material and after the drivers were given the special waste permits from Envirocon, left site for Wasco county landfill.
Contractor has scheduled 10 trucks with pups on Thurs., 8-14, and will be hauling off all remaining striping's and contaminated common excavation to Wasco landfill. The concrete rubble, which will be taken to a locat Portland area landfill to be recycled.

PORT OF PORTLAND

DAILY DIARY

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

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

DAY OF WEEK & DATE: Wed., Aug 13, 2008 **REPORT NO.** 07

WEATHER Sunny **TEMPERATURE** 59L 84H

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 8-13-8

(signature on hardcopy)

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PROJECT NUMBER 1066-04
FIELD REPORT NUMBER 7
PAGE 1 OF 2
DATE 8/13/2008

PROJECT	Wheeler Bay Stabilization	ARRIVAL TIME	700
LOCATION	Terminal 4	DEPARTURE TIME	1600
CLIENT	Port of Portland	WEATHER	clear 85 F; NW wind, 10 mph
PURPOSE OF OBSERVATIONS	Field Oversight		
ASH CREEK REPRESENTATIVE	D. Urquhart	ASH CREEK PROJECT MANAGER	H. Clough
SUBCONTRACTOR	Envirocon	SUBCONTRACTOR REP.	George Lotze

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

DAILY INSPECTION LOG:

Construction Element	MEETS INSPECTION CRITERIA			SEE ENVIROCON REPORT	SEE BELOW
	YES	NO	NA		
Site Preparation					
Erosion Control Installation	X				
Clearing and Grubbing			X		X
Load Out Excess Cut	X			X	
Debris Clear of Excess Soil			X		
Shoreline Stabilization					
Sub-grade Cut and Fill	X			X	
Demarcation Layer			X		
Select Fill			X		
Armor Type 3			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 South 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:					
10 feet of silt fence installed from 0+00 to 0-10					

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PROJECT NUMBER 1066-04
FIELD REPORT NUMBER 4

DATE 8/13/2008

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		

COMMENTS:

Day's Activities:

Begin sub-grade cut and fill: cut from 1+00 to 2+50 and fill at 2+50 to 4+00; cut from 5+50 to 5+00 top and bring to toe elevations. Haul off excess debris, 2 truck loads.

ASH CREEK ASSOCIATES REPRESENTATIVE

ASH CREEK ASSOCIATES PROJECT MANAGER

DAILY CONSTRUCTION & CQC REPORT

T4 Wheeler Bay Stabilization - PROJECT #1473800

ENVIROCON

Weather:

Max Temp: 90 Site Conditions: dry
Min Temp: 60 Winds: light
Precipitation none

Report Information.:

Date: 8/13/2008
Week Day: wed
Shift: 7-3:30

Report Prepared By:

Personnel	WBS Task	Hours	Start	Finish	Equip	No.	Run	Stdby	WBS Task Code	Comments
KEVIN GEORGE		8.5	7:00	4:00	PC300 EXC.	Modern	8			Cut slope
WES JENSEN		8	7:00	3:30	HM300 ARTIC	Modern	5			Transport to top of slope
GEORGE LOTZE		11	7:00	6:30	BOMAG ROLLER	United	4			Compact slope
RICK MARTIN		10	7:00	5:30	JD450 DOZER	United	6			Grade slope
MIKE MCCOY		8	7:00	3:30	PC200 EXC.	3366	0			
MATTHEW PATCHING		8	7:00	3:30	WATER TRUCK	United	8			Dust control
SKIP SIMPSON					JD310 BACKHOE	1196	2			Build const. entrance
SUZANNE STARKEY										

DESCRIPTION OF WORK (detail below):

Cut slope with PC300, load into HM300 Artic, transport to top of slope, doze into place with JD450 dozer, compact with Bomag roller, and control dust with water truck. Decon JD450 dozer and trade for JD650 dozer. Preload 2 onroad trucks with debris for delivery to Wasco County landfill in the morning. Install 20 more feet of silt fence at STA 0+00. Decon and trade water truck due to water leak near main feed to pump. Layout continues for slope construction. Build construction access pad with rock to prevent tracking onto asphalt by onroad trucks.

DOWNTIME OR DELAYS:

MATERIAL PLACED:

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

COMMENTS (Material Delivered-Removed/Qty.):

Removed approximately 60 tons of soil, vegatation, and debris mix for delivery to landfill tomorrow.

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:

PORT OF PORTLAND

DAILY DIARY

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

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

DAY OF WEEK & DATE: Thurs., Aug 14, 2008 **REPORT NO.** 08

WEATHER Sunny **TEMPERATURE** 65L 96H

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)
Kamatsu PC 300 (Trac-hoe)
International Water Truck (4000gal)
Case 580L (Backhoe-Rental)
Bomag BW177 DH-3 (Single Steel Roller- Rental)
John Deere 650J (Small Dozer-Rental)
Kamatsu PC 200 (Trac-hoe)

CHRONOLOGICAL ACCOUNT OF DAY'S WORK:

(06:00-17:30) Today's contractor's working hours at Wheeler Bay

NOTE:
HM30 was on stand- by most of the day.
PC200 only used for few hours loading trucks with contaminated stippings/soil and designated for Wasco landfill

Contractor has scheduled today 3 side dumptrucks to haul off all concrete debris stockpiled at sta. 0+50 to sta 1+50, to local landfill to be recycled.
13 trucks with pups are designated today to haul off all contaminated strippings/soil stockpiles at both sta 1+00 and sta 2+50 to Wasco county landfill. 2 trucks/pups were loaded last night. All trucks have been given special waste permit by Environcon superintendent (GL) before leaving site.

(06:15) PC 300 loaded first side dumptruck with concrete debris to be hauled off and recycled. Contractor has placed ¾"-0 base rock to build a construction entrance/exit where dirt roadway meets pavement. This should minimize the amount of sediment tracking onto pavement.

PC200, HM30 and BW 177DH all on standby/idle and are not being used.

(11:00-14:30) PC 200 used to load trucks and pups with contaminated strippings/soil. Trucks and pups hauling sediment to Wasco county are tarped leaving project site.

(15:30) All stockpiles (contaminated soil and concrete) have been removed from sta 0+50 to sta 1+50 and at sta 2+50.

Port locate on site re-marking all existing utilities that are scheduled to be re-located as per Environcon's request. Contractor's surveyor as-builting all existing utilities with their data collector.

Environcon's surveyor (Rick) with grade checker laying out control points for bottom of new slope (see dwg's detail 3/C-3) from sta. 2+00 to sta. 7+00.

At sta. 0+60, along the bank's slope where it is to be cut, contractor has exposed and area that has coal tar pitch in it and will be removed and stockpiled to be hauled off to Wasco county landfill.

PORT OF PORTLAND

DAILY DIARY

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

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

DAY OF WEEK & DATE: Thurs., Aug 14, 2008 **REPORT NO.** 08

WEATHER Sunny **TEMPERATURE** 65L 96H

(16:00-17:30) PC300 used to cut existing bank/slope from sta. 0+00 to 2+00, and stockpiling material on top of bank.

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 8-14-8

(signature on hardcopy)

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PROJECT NUMBER	1066-04		
FIELD REPORT NUMBER	9		
PAGE	1	OF	2
DATE	8/14/2008		

PROJECT	Wheeler Bay Stabilization	ARRIVAL TIME	605
LOCATION	Terminal 4	DEPARTURE TIME	1650
CLIENT	Port of Portland	WEATHER	clear 98F, winds NW, 8-12 mph
PURPOSE OF OBSERVATIONS	Field Oversight		
ASH CREEK REPRESENTATIVE	D. Urquhart	ASH CREEK PROJECT MANAGER	H. Clough
SUBCONTRACTOR	Envirocon	SUBCONTRACTOR REP.	George Lotze

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

DAILY INSPECTION LOG:

Construction Element	MEETS INSPECTION CRITERIA			SEE ENVIROCON REPORT	SEE BELOW
	YES	NO	NA		
Site Preparation					
Erosion Control Installation			X		
Clearing and Grubbing	X			X	X
Load Out Excess Cut	X			X	X
Debris Clear of Excess Soil	X				X
Shoreline Stabilization					
Sub-grade Cut and Fill			X		
Demarcation Layer			X		
Select Fill			X		
Armor Type 3			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:

Load out 24 total loads of debris (~30T per load), (2 loads off-loaded 8/13) and transported to landfill on 8/14.

Load out 11 total loads of concrete and transported to concrete recycling facility.

Concrete is clean (less than 5% covered in sediment) and excess soil was shaken loose during breaking of the concrete.

Clear and grub at 0+00 to 0+70.

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PROJECT NUMBER	1066-04		
FIELD REPORT NUMBER	9		
PAGE	2	OF	2
DATE	8/14/2008		

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				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				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		

COMMENTS:

Small stockpile remaining at 0+60 top of slope, to be removed on 8/15

Envirocon monitored trucks for sediment; drivers removed excess sediment from rails; and ramp constructed at entrance to stockpile area from access road.

BY

D. 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: 98 | Site Conditions: dry
Min Temp: 64 | Winds: light
Precipitation: none

Report Information.:

Date: 8/14/2008
Week Day: thurs
Shift: 7am-5pm

Report Prepared By:

Personnel	WBS Task	Hours	Start	Finish	Equip	No.	Run	Stdby	WBS Task Code	Comments
KEVIN GEORGE		11	6:00	5:30	PC300 EXC.	Modern	11			Load onroads
WES JENSEN		8	7:00	3:30	HM300 ARTIC	Modern	0			
GEORGE LOTZE		12	6:00	6:30	BOMAG ROLLER	United	0			
RICK MARTIN		11	6:00	5:30	JD450 DOZER	United	2			Clean up stockpiles
MIKE MCCOY		9	7:00	4:30	PC200 EXC.	3366	2			Load onroads
MATTHEW PATCHING		8	7:00	3:30	WATER TRUCK	United	10			Dust control
SKIP SIMPSON					JD310 BACKHOE	1196	0			
SUZANNE STARKEY										

DESCRIPTION OF WORK (detail below):

Load 22 loads of debris and transport to Wasco county landfill. Load 11 loads of concrete and transport to the Construction Material Exchange.

Dust control with water truck. Install slope stakes and cut fill stakes along toe of slope. Survey in coordinates of locates along top of slope for future reference.

Clean asphalt roadway where needed. Clear and grub around STA 0+00.

Water meter read was 132.7c/m at start of shift.

DOWNTIME OR DELAYS:

MATERIAL PLACED:

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

COMMENTS (Material Delivered-Removed/Qty.):

Removed 22 loads of debris from stockpiles to Wasco county landfill. Removed 11 loads of concrete from stockpile to recycler.

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:

Air Monitor Results CRZ (8-14-08)

"Serial no. ", "D630 "
"Device no. ", 1
"Tag Number ", 11
"Start Time ", 09:15:55
"Start Date ", 14-Aug-2008
"Log Period ", 00:01:00
"Number   ", 442
"CalFactor   ", 1.000000
"Unit   ", 0
"Unit Name   ", "(MASS)ug/m3"
"SIZE_CORRECT", "DISABLED"
"TEMPUNITS   ", C
"Max MASS   ", 280.242800
"Max MASS @ ", 1 ,01:34:55 ,09-Mar-2067
"Avg MASS   ", 13.049630
"Max Diam   ", 4.127007
"Max Diam @ ",   ,09:14:55 ,14-Aug-2008
"Avg Diam   ", 1.189458
"ALARM   ", "DISABLED"
"ALARM_LEVEL ", 0.0
"AUTO_ZERO   ", "DISABLED"
"AZ INTERVAL ", 10
"Errors   ", 0000

record	"(MASS)ug/m3"	Temp	RHumidity	Diameter		
1,	32.7,	22.3,	27,	1.72	,09:16:55	,14-Aug-2008
2,	13.0,	22.4,	31,	2.77	,09:17:55	,14-Aug-2008
3,	14.8,	22.5,	33,	2.56	,09:18:55	,14-Aug-2008
4,	9.6,	22.6,	35,	1.26	,09:19:55	,14-Aug-2008
5,	10.5,	22.7,	37,	1.89	,09:20:55	,14-Aug-2008
6,	9.5,	22.9,	38,	1.76	,09:21:55	,14-Aug-2008
7,	9.0,	23.0,	38,	1.03	,09:22:55	,14-Aug-2008
8,	9.8,	23.1,	39,	0.81	,09:23:55	,14-Aug-2008
9,	7.9,	23.2,	40,	0.69	,09:24:55	,14-Aug-2008
10,	10.5,	23.4,	40,	2.45	,09:25:55	,14-Aug-2008
11,	7.1,	23.5,	41,	1.15	,09:26:55	,14-Aug-2008
12,	6.4,	23.6,	41,	0.69	,09:27:55	,14-Aug-2008
13,	6.3,	23.7,	41,	0.52	,09:28:55	,14-Aug-2008
14,	8.3,	23.8,	42,	0.52	,09:29:55	,14-Aug-2008
15,	12.0,	24.0,	42,	1.36	,09:30:55	,14-Aug-2008
16,	6.6,	24.1,	42,	1.21	,09:31:55	,14-Aug-2008
17,	7.4,	24.2,	42,	1.06	,09:32:55	,14-Aug-2008
18,	11.6,	24.3,	42,	0.50	,09:33:55	,14-Aug-2008
19,	27.5,	24.4,	42,	1.34	,09:34:55	,14-Aug-2008
20,	17.5,	24.6,	42,	2.23	,09:35:55	,14-Aug-2008
21,	15.7,	24.6,	42,	3.28	,09:36:55	,14-Aug-2008
22,	12.4,	24.7,	42,	3.33	,09:37:55	,14-Aug-2008
23,	18.5,	24.9,	42,	3.03	,09:38:55	,14-Aug-2008
24,	40.0,	25.0,	42,	4.12	,09:39:55	,14-Aug-2008
25,	14.0,	25.1,	42,	2.81	,09:40:55	,14-Aug-2008
26,	7.3,	25.2,	42,	1.20	,09:41:55	,14-Aug-2008
27,	10.6,	25.3,	42,	0.90	,09:42:55	,14-Aug-2008
28,	6.5,	25.4,	43,	0.80	,09:43:55	,14-Aug-2008
29,	6.1,	25.5,	43,	0.72	,09:44:55	,14-Aug-2008
30,	6.1,	25.6,	43,	0.57	,09:45:55	,14-Aug-2008
31,	6.3,	25.7,	43,	0.79	,09:46:55	,14-Aug-2008
32,	7.6,	25.8,	43,	1.53	,09:47:55	,14-Aug-2008
33,	8.0,	25.9,	43,	1.19	,09:48:55	,14-Aug-2008
34,	9.2,	26.0,	42,	2.44	,09:49:55	,14-Aug-2008
35,	8.1,	26.1,	42,	1.04	,09:50:55	,14-Aug-2008
36,	6.5,	26.2,	42,	1.60	,09:51:55	,14-Aug-2008
37,	6.3,	26.2,	42,	1.12	,09:52:55	,14-Aug-2008
38,	5.3,	26.3,	42,	0.56	,09:53:55	,14-Aug-2008
39,	8.9,	26.5,	42,	1.01	,09:54:55	,14-Aug-2008

40,	8.4,	26.5,	42,	1.22	,09:55:55	,14-Aug-2008
41,	12.4,	26.6,	42,	2.68	,09:56:55	,14-Aug-2008
42,	7.8,	26.6,	42,	1.81	,09:57:55	,14-Aug-2008
43,	7.0,	26.7,	42,	1.23	,09:58:55	,14-Aug-2008
44,	12.3,	26.8,	42,	3.03	,09:59:55	,14-Aug-2008
45,	14.0,	26.9,	42,	2.52	,10:00:55	,14-Aug-2008
46,	9.7,	26.9,	42,	1.08	,10:01:55	,14-Aug-2008
47,	6.6,	27.0,	42,	0.67	,10:02:55	,14-Aug-2008
48,	5.3,	27.0,	42,	0.50	,10:03:55	,14-Aug-2008
49,	3.8,	27.1,	42,	0.41	,10:04:55	,14-Aug-2008
50,	5.6,	27.2,	42,	0.57	,10:05:55	,14-Aug-2008
51,	5.4,	27.2,	42,	0.78	,10:06:55	,14-Aug-2008
52,	4.0,	27.3,	42,	0.40	,10:07:55	,14-Aug-2008
53,	5.2,	27.4,	42,	0.41	,10:08:55	,14-Aug-2008
54,	3.4,	27.5,	42,	0.43	,10:09:55	,14-Aug-2008
55,	5.1,	27.6,	42,	0.68	,10:10:55	,14-Aug-2008
56,	5.7,	27.6,	42,	0.39	,10:11:55	,14-Aug-2008
57,	6.2,	27.8,	42,	0.90	,10:12:55	,14-Aug-2008
58,	4.9,	27.9,	42,	0.48	,10:13:55	,14-Aug-2008
59,	3.9,	28.0,	42,	0.37	,10:14:55	,14-Aug-2008
60,	4.0,	28.1,	42,	0.66	,10:15:55	,14-Aug-2008
61,	3.9,	28.2,	42,	0.59	,10:16:55	,14-Aug-2008
62,	2.7,	28.3,	42,	0.43	,10:17:55	,14-Aug-2008
63,	5.2,	28.4,	42,	0.78	,10:18:55	,14-Aug-2008
64,	19.8,	28.5,	42,	1.60	,10:19:55	,14-Aug-2008
65,	10.5,	28.7,	41,	1.38	,10:20:55	,14-Aug-2008
66,	17.6,	28.7,	41,	3.80	,10:21:55	,14-Aug-2008
67,	6.7,	28.9,	41,	2.17	,10:22:55	,14-Aug-2008
68,	16.9,	29.0,	41,	3.68	,10:23:55	,14-Aug-2008
69,	18.0,	29.1,	41,	3.80	,10:24:55	,14-Aug-2008
70,	20.7,	29.2,	41,	4.03	,10:25:55	,14-Aug-2008
71,	7.9,	29.4,	41,	2.24	,10:26:55	,14-Aug-2008
72,	4.4,	29.5,	40,	0.49	,10:27:55	,14-Aug-2008
73,	4.5,	29.6,	40,	0.47	,10:28:55	,14-Aug-2008
74,	3.7,	29.7,	40,	0.36	,10:29:55	,14-Aug-2008
75,	2.9,	29.9,	40,	0.42	,10:30:55	,14-Aug-2008
76,	4.0,	30.0,	40,	0.59	,10:31:55	,14-Aug-2008
77,	3.2,	30.1,	40,	0.42	,10:32:55	,14-Aug-2008
78,	3.5,	30.2,	40,	0.37	,10:33:55	,14-Aug-2008
79,	5.7,	30.3,	40,	0.37	,10:34:55	,14-Aug-2008
80,	2.1,	30.4,	40,	0.33	,10:35:55	,14-Aug-2008
81,	4.1,	30.6,	40,	0.50	,10:36:55	,14-Aug-2008
82,	3.4,	30.7,	39,	0.34	,10:37:55	,14-Aug-2008
83,	2.1,	30.8,	39,	0.33	,10:38:55	,14-Aug-2008
84,	3.7,	30.9,	39,	0.50	,10:39:55	,14-Aug-2008
85,	7.1,	31.0,	39,	1.00	,10:40:55	,14-Aug-2008
86,	6.9,	31.2,	39,	0.56	,10:41:55	,14-Aug-2008
87,	3.5,	31.3,	39,	0.37	,10:42:55	,14-Aug-2008
88,	7.0,	31.4,	39,	0.45	,10:43:55	,14-Aug-2008
89,	3.8,	31.5,	38,	0.33	,10:44:55	,14-Aug-2008
90,	18.4,	31.7,	38,	0.67	,10:45:55	,14-Aug-2008
91,	5.0,	31.8,	38,	0.79	,10:46:55	,14-Aug-2008
92,	7.1,	28,	3.48	,10:47:55	,14-Aug-2008	
169,	27.8,	40.5,	28,	2.23	,10:48:55	,14-Aug-2008
170,	16.5,	40.6,	28,	2.21	,10:49:55	,14-Aug-2008
171,	4.5,	40.6,	28,	0.49	,10:50:55	,14-Aug-2008
172,	5.2,	40.7,	28,	0.57	,10:51:55	,14-Aug-2008
173,	4.3,	40.8,	27,	0.37	,10:52:55	,14-Aug-2008
174,	9.1,	41.0,	27,	1.30	,10:53:55	,14-Aug-2008
175,	6.6,	41.1,	27,	1.14	,10:54:55	,14-Aug-2008
176,	7.1,	41.1,	27,	0.65	,10:55:55	,14-Aug-2008
177,	11.4,	41.2,	27,	2.07	,10:56:55	,14-Aug-2008
178,	10.9,	41.3,	27,	2.90	,10:57:55	,14-Aug-2008

179,	5.9,	41.4,	27,	0.93	,10:58:55	,14-Aug-2008
180,	6.2,	41.5,	27,	1.80	,10:59:55	,14-Aug-2008
181,	14.2,	41.6,	27,	3.28	,11:00:55	,14-Aug-2008
182,	8.5,	41.7,	27,	1.88	,11:01:55	,14-Aug-2008
183,	3.7,	41.8,	26,	0.57	,11:02:55	,14-Aug-2008
184,	10.2,	42.0,	26,	0.81	,11:03:55	,14-Aug-2008
185,	6.3,	42.1,	26,	0.71	,11:04:55	,14-Aug-2008
186,	20.1,	42.1,	26,	3.16	,11:05:55	,14-Aug-2008
187,	20.8,	42.2,	26,	3.74	,11:06:55	,14-Aug-2008
188,	12.5,	42.3,	26,	0.69	,11:07:55	,14-Aug-2008
189,	13.6,	42.4,	26,	0.63	,11:08:55	,14-Aug-2008
190,	10.4,	42.5,	26,	0.48	,11:09:55	,14-Aug-2008
191,	10.6,	42.6,	25,	1.87	,11:10:55	,14-Aug-2008
192,	8.1,	42.7,	25,	1.51	,11:11:55	,14-Aug-2008
193,	33.4,	42.8,	25,	1.16	,11:12:55	,14-Aug-2008
194,	20.4,	42.9,	25,	2.94	,11:13:55	,14-Aug-2008
195,	14.2,	43.0,	25,	2.95	,11:14:55	,14-Aug-2008
196,	8.7,	43.1,	25,	1.67	,11:15:55	,14-Aug-2008
197,	6.7,	43.2,	24,	0.74	,11:16:55	,14-Aug-2008
198,	6.0,	43.3,	24,	0.94	,11:17:55	,14-Aug-2008
199,	8.2,	43.4,	24,	1.49	,11:18:55	,14-Aug-2008
200,	9.0,	43.5,	25,	1.17	,11:19:55	,14-Aug-2008
201,	10.8,	43.5,	24,	1.29	,11:20:55	,14-Aug-2008
202,	8.4,	43.6,	24,	0.46	,11:21:55	,14-Aug-2008
203,	17.3,	43.7,	24,	1.55	,11:22:55	,14-Aug-2008
204,	7.3,	43.8,	24,	0.54	,11:23:55	,14-Aug-2008
205,	9.0,	44.0,	24,	0.35	,11:24:55	,14-Aug-2008
206,	7.9,	44.0,	24,	1.75	,11:25:55	,14-Aug-2008
207,	6.7,	44.1,	24,	0.44	,11:26:55	,14-Aug-2008
208,	20.1,	44.2,	23,	1.12	,11:27:55	,14-Aug-2008
209,	24.0,	44.3,	23,	2.37	,11:28:55	,14-Aug-2008
210,	16.6,	44.4,	23,	2.92	,11:29:55	,14-Aug-2008
211,	5.7,	44.5,	23,	0.54	,11:30:55	,14-Aug-2008
212,	6.1,	44.5,	23,	0.34	,11:31:55	,14-Aug-2008
213,	8.9,	44.6,	22,	0.46	,11:32:55	,14-Aug-2008
214,	7.8,	44.7,	22,	1.98	,11:33:55	,14-Aug-2008
215,	7.6,	44.7,	22,	0.46	,11:34:55	,14-Aug-2008
216,	25.8,	44.8,	22,	0.79	,11:35:55	,14-Aug-2008
217,	22.5,	44.9,	22,	1.80	,11:36:55	,14-Aug-2008
218,	228.1,	45.0,	22,	3.82	,11:37:55	,14-Aug-2008
219,	22.0,	45.0,	22,	3.66	,11:38:55	,14-Aug-2008
220,	13.5,	45.1,	22,	2.73	,11:39:55	,14-Aug-2008
221,	6.6,	45.1,	22,	1.61	,11:40:55	,14-Aug-2008
222,	3.4,	45.2,	22,	0.30	,11:41:55	,14-Aug-2008
223,	7.7,	45.2,	22,	0.81	,11:42:55	,14-Aug-2008
224,	8.7,	45.3,	22,	2.21	,11:43:55	,14-Aug-2008
225,	12.0,	45.4,	22,	1.92	,11:44:55	,14-Aug-2008
226,	6.1,	45.5,	22,	0.45	,11:45:55	,14-Aug-2008
227,	5.8,	45.5,	22,	0.41	,11:46:55	,14-Aug-2008
228,	6.2,	45.6,	22,	0.29	,11:47:55	,14-Aug-2008
229,	4.3,	45.7,	21,	0.31	,11:48:55	,14-Aug-2008
230,	4.5,	45.7,	21,	0.25	,11:49:55	,14-Aug-2008
231,	5.1,	45.8,	21,	0.36	,11:50:55	,14-Aug-2008
232,	5.1,	45.8,	21,	0.45	,11:51:55	,14-Aug-2008
233,	5.6,	45.9,	21,	0.35	,11:52:55	,14-Aug-2008
234,	6.8,	46.0,	21,	1.38	,11:53:55	,14-Aug-2008
235,	8.2,	46.1,	21,	1.71	,11:54:55	,14-Aug-2008
236,	6.4,	46.1,	21,	0.33	,11:55:55	,14-Aug-2008
237,	7.8,	46.2,	21,	1.11	,11:56:55	,14-Aug-2008
238,	8.0,	46.3,	21,	0.53	,11:57:55	,14-Aug-2008
239,	7.1,	46.4,	21,	0.42	,11:58:55	,14-Aug-2008
240,	8.9,	46.4,	21,	1.89	,11:59:55	,14-Aug-2008
241,	10.3,	46.5,	21,	0.95	,12:00:55	,14-Aug-2008

242,	8.6,	46.5,	21,	0.99	,12:01:55	,14-Aug-2008
243,	9.8,	46.6,	21,	1.31	,12:02:55	,14-Aug-2008
244,	3.4,	46.7,	21,	0.41	,12:03:55	,14-Aug-2008
245,	4.9,	46.7,	21,	0.39	,12:04:55	,14-Aug-2008
246,	5.7,	46.8,	21,	0.36	,12:05:55	,14-Aug-2008
247,	9.5,	46.9,	21,	0.45	,12:06:55	,14-Aug-2008
248,	7.5,	46.9,	20,	0.99	,12:07:55	,14-Aug-2008
249,	6.9,	47.0,	20,	0.79	,12:08:55	,14-Aug-2008
250,	7.5,	47.1,	20,	0.55	,12:09:55	,14-Aug-2008
251,	11.2,	47.1,	20,	2.30	,12:10:55	,14-Aug-2008
252,	10.2,	47.2,	20,	1.52	,12:11:55	,14-Aug-2008
253,	6.4,	47.3,	20,	0.25	,12:12:55	,14-Aug-2008
254,	6.2,	47.4,	20,	0.26	,12:13:55	,14-Aug-2008
255,	5.5,	47.5,	20,	0.37	,12:14:55	,14-Aug-2008
256,	10.7,	47.5,	20,	1.60	,12:15:55	,14-Aug-2008
257,	7.6,	47.6,	20,	0.65	,12:16:55	,14-Aug-2008
258,	3.4,	47.6,	20,	0.29	,12:17:55	,14-Aug-2008
259,	14.9,	47.7,	20,	2.59	,12:18:55	,14-Aug-2008
260,	11.7,	47.8,	20,	1.75	,12:19:55	,14-Aug-2008
261,	16.5,	47.9,	20,	2.51	,12:20:55	,14-Aug-2008
262,	10.6,	47.9,	20,	1.56	,12:21:55	,14-Aug-2008
263,	8.5,	48.0,	19,	1.59	,12:22:55	,14-Aug-2008
264,	9.2,	48.1,	19,	0.48	,12:23:55	,14-Aug-2008
265,	8.6,	48.1,	19,	0.38	,12:24:55	,14-Aug-2008
266,	11.9,	48.2,	19,	0.58	,12:25:55	,14-Aug-2008
267,	10.0,	48.2,	19,	1.42	,12:26:55	,14-Aug-2008
268,	6.9,	48.3,	19,	0.39	,12:27:55	,14-Aug-2008
269,	14.0,	48.4,	19,	1.27	,12:28:55	,14-Aug-2008
270,	11.1,	48.5,	19,	1.87	,12:29:55	,14-Aug-2008
271,	10.0,	48.5,	19,	0.55	,12:30:55	,14-Aug-2008
272,	12.3,	48.6,	19,	0.39	,12:31:55	,14-Aug-2008
273,	7.1,	48.6,	19,	0.25	,12:32:55	,14-Aug-2008
274,	25.8,	48.7,	19,	1.86	,12:33:55	,14-Aug-2008
275,	12.1,	48.7,	19,	2.89	,12:34:55	,14-Aug-2008
276,	10.0,	48.8,	18,	0.46	,12:35:55	,14-Aug-2008
277,	7.1,	48.9,	19,	0.45	,12:36:55	,14-Aug-2008
278,	34.0,	48.9,	18,	1.92	,12:37:55	,14-Aug-2008
279,	33.8,	49.0,	18,	3.41	,12:38:55	,14-Aug-2008
280,	10.6,	49.0,	18,	0.93	,12:39:55	,14-Aug-2008
281,	5.6,	49.1,	18,	0.35	,12:40:55	,14-Aug-2008
282,	6.1,	49.1,	18,	0.23	,12:41:55	,14-Aug-2008
283,	7.7,	49.2,	18,	0.30	,12:42:55	,14-Aug-2008
284,	11.0,	49.2,	18,	1.14	,12:43:55	,14-Aug-2008
285,	12.4,	49.2,	18,	2.43	,12:44:55	,14-Aug-2008
286,	9.9,	49.3,	18,	1.95	,12:45:55	,14-Aug-2008
287,	9.2,	49.4,	18,	0.56	,12:46:55	,14-Aug-2008
288,	9.7,	49.4,	18,	0.59	,12:47:55	,14-Aug-2008
289,	9.7,	49.5,	18,	0.61	,12:48:55	,14-Aug-2008
290,	9.0,	49.5,	18,	0.37	,12:49:55	,14-Aug-2008
291,	11.3,	49.5,	18,	0.43	,12:50:55	,14-Aug-2008
292,	11.4,	49.6,	18,	1.49	,12:51:55	,14-Aug-2008
293,	12.5,	49.6,	18,	2.18	,12:52:55	,14-Aug-2008
294,	15.6,	49.7,	18,	3.04	,12:53:55	,14-Aug-2008
295,	20.7,	49.7,	18,	3.76	,12:54:55	,14-Aug-2008
296,	13.2,	49.7,	18,	3.00	,12:55:55	,14-Aug-2008
297,	12.9,	49.8,	18,	0.87	,12:56:55	,14-Aug-2008
298,	13.7,	49.8,	17,	1.87	,12:57:55	,14-Aug-2008
299,	9.8,	49.8,	17,	1.22	,12:58:55	,14-Aug-2008
300,	9.0,	49.9,	17,	0.42	,12:59:55	,14-Aug-2008
301,	8.3,	49.9,	17,	0.54	,13:00:55	,14-Aug-2008
302,	11.9,	50.0,	17,	0.35	,13:01:55	,14-Aug-2008
303,	13.2,	50.0,	17,	2.10	,13:02:55	,14-Aug-2008
304,	19.6,	50.0,	17,	3.05	,13:03:55	,14-Aug-2008

305,	17.7,	50.0,	17,	1.91	,13:04:55	,14-Aug-2008
306,	39.9,	50.1,	17,	2.33	,13:05:55	,14-Aug-2008
307,	21.8,	50.1,	17,	1.88	,13:06:55	,14-Aug-2008
308,	14.6,	50.1,	17,	0.70	,13:07:55	,14-Aug-2008
309,	15.1,	50.1,	17,	1.47	,13:08:55	,14-Aug-2008
310,	15.0,	50.2,	17,	1.97	,13:09:55	,14-Aug-2008
311,	10.2,	50.2,	16,	0.49	,13:10:55	,14-Aug-2008
312,	7.0,	50.2,	16,	0.34	,13:11:55	,14-Aug-2008
313,	12.9,	50.2,	16,	0.32	,13:12:55	,14-Aug-2008
314,	8.2,	50.2,	16,	0.27	,13:13:55	,14-Aug-2008
315,	13.9,	50.3,	17,	0.41	,13:14:55	,14-Aug-2008
316,	9.8,	50.3,	16,	1.22	,13:15:55	,14-Aug-2008
317,	16.7,	50.3,	16,	0.70	,13:16:55	,14-Aug-2008
318,	100.0,	50.4,	16,	1.02	,13:17:55	,14-Aug-2008
319,	19.5,	50.4,	16,	1.73	,13:18:55	,14-Aug-2008
320,	15.0,	50.4,	16,	0.98	,13:19:55	,14-Aug-2008
321,	11.4,	50.5,	16,	0.36	,13:20:55	,14-Aug-2008
322,	9.6,	50.5,	16,	0.41	,13:21:55	,14-Aug-2008
323,	10.2,	50.5,	16,	0.35	,13:22:55	,14-Aug-2008
324,	11.9,	50.5,	16,	1.14	,13:23:55	,14-Aug-2008
325,	25.7,	50.5,	16,	3.64	,13:24:55	,14-Aug-2008
326,	10.8,	50.5,	16,	0.64	,13:25:55	,14-Aug-2008
327,	13.2,	50.5,	16,	1.39	,13:26:55	,14-Aug-2008
328,	10.9,	50.6,	16,	0.47	,13:27:55	,14-Aug-2008
329,	14.0,	50.6,	16,	1.00	,13:28:55	,14-Aug-2008
330,	17.7,	50.6,	16,	1.74	,13:29:55	,14-Aug-2008
331,	10.8,	50.7,	16,	0.99	,13:30:55	,14-Aug-2008
332,	10.9,	50.7,	16,	0.50	,13:31:55	,14-Aug-2008
333,	15.0,	50.7,	16,	2.32	,13:32:55	,14-Aug-2008
334,	9.7,	50.8,	16,	0.51	,13:33:55	,14-Aug-2008
335,	23.3,	50.8,	16,	3.67	,13:34:55	,14-Aug-2008
336,	16.9,	50.8,	16,	3.39	,13:35:55	,14-Aug-2008
337,	21.1,	50.8,	16,	3.12	,13:36:55	,14-Aug-2008
338,	9.5,	50.8,	16,	0.54	,13:37:55	,14-Aug-2008
339,	14.2,	50.8,	16,	0.91	,13:38:55	,14-Aug-2008
340,	7.0,	50.8,	15,	0.61	,13:39:55	,14-Aug-2008
341,	13.5,	50.8,	15,	1.76	,13:40:55	,14-Aug-2008
342,	11.1,	50.8,	15,	0.40	,13:41:55	,14-Aug-2008
343,	8.4,	50.8,	15,	0.33	,13:42:55	,14-Aug-2008
344,	15.6,	50.9,	15,	0.31	,13:43:55	,14-Aug-2008
345,	12.4,	50.9,	15,	0.54	,13:44:55	,14-Aug-2008
346,	12.9,	50.9,	15,	1.21	,13:45:55	,14-Aug-2008
347,	20.2,	50.9,	16,	1.82	,13:46:55	,14-Aug-2008
348,	9.2,	50.9,	15,	0.57	,13:47:55	,14-Aug-2008
349,	12.3,	51.0,	15,	0.76	,13:48:55	,14-Aug-2008
350,	15.8,	51.0,	15,	2.03	,13:49:55	,14-Aug-2008
351,	13.9,	51.0,	15,	1.10	,13:50:55	,14-Aug-2008
352,	11.8,	51.0,	15,	0.46	,13:51:55	,14-Aug-2008
353,	11.1,	51.0,	15,	0.27	,13:52:55	,14-Aug-2008
354,	12.4,	51.1,	15,	0.51	,13:53:55	,14-Aug-2008
355,	12.4,	51.1,	15,	0.50	,13:54:55	,14-Aug-2008
356,	11.8,	51.1,	15,	1.11	,13:55:55	,14-Aug-2008
357,	7.3,	51.1,	15,	0.27	,13:56:55	,14-Aug-2008
358,	15.4,	51.2,	15,	2.12	,13:57:55	,14-Aug-2008
359,	11.6,	51.2,	15,	0.63	,13:58:55	,14-Aug-2008
360,	13.6,	51.2,	15,	1.30	,13:59:55	,14-Aug-2008
361,	12.4,	51.2,	15,	0.37	,14:00:55	,14-Aug-2008
362,	15.3,	51.2,	15,	0.60	,14:01:55	,14-Aug-2008
363,	17.9,	51.2,	15,	0.55	,14:02:55	,14-Aug-2008
364,	9.3,	51.2,	15,	0.32	,14:03:55	,14-Aug-2008
365,	12.4,	51.3,	15,	1.00	,14:04:55	,14-Aug-2008
366,	12.8,	51.3,	15,	1.47	,14:05:55	,14-Aug-2008
367,	19.8,	51.3,	15,	0.60	,14:06:55	,14-Aug-2008

368,	15.5,	51.3,	15,	0.41	,14:07:55	,14-Aug-2008
369,	11.6,	51.3,	15,	0.47	,14:08:55	,14-Aug-2008
370,	10.6,	51.3,	14,	0.52	,14:09:55	,14-Aug-2008
371,	10.8,	51.3,	15,	0.83	,14:10:55	,14-Aug-2008
372,	15.0,	51.4,	15,	0.99	,14:11:55	,14-Aug-2008
373,	13.9,	51.4,	15,	3.15	,14:12:55	,14-Aug-2008
374,	44.0,	51.4,	15,	2.28	,14:13:55	,14-Aug-2008
375,	16.2,	51.4,	15,	1.36	,14:14:55	,14-Aug-2008
376,	16.1,	51.4,	15,	0.63	,14:15:55	,14-Aug-2008
377,	12.4,	51.4,	15,	0.78	,14:16:55	,14-Aug-2008
378,	17.6,	51.4,	15,	1.16	,14:17:55	,14-Aug-2008
379,	15.2,	51.5,	14,	0.90	,14:18:55	,14-Aug-2008
380,	16.3,	51.5,	15,	0.45	,14:19:55	,14-Aug-2008
381,	22.1,	51.5,	15,	0.93	,14:20:55	,14-Aug-2008
382,	14.7,	51.5,	15,	1.39	,14:21:55	,14-Aug-2008
383,	17.7,	51.5,	15,	1.49	,14:22:55	,14-Aug-2008
384,	15.3,	51.5,	15,	0.89	,14:23:55	,14-Aug-2008
385,	15.3,	51.5,	15,	1.11	,14:24:55	,14-Aug-2008
386,	20.8,	51.6,	15,	1.22	,14:25:55	,14-Aug-2008
387,	24.6,	51.6,	15,	1.34	,14:26:55	,14-Aug-2008
388,	24.4,	51.6,	15,	1.56	,14:27:55	,14-Aug-2008
389,	17.3,	51.6,	15,	0.93	,14:28:55	,14-Aug-2008
390,	17.1,	51.6,	15,	0.52	,14:29:55	,14-Aug-2008
391,	21.8,	51.7,	15,	1.81	,14:30:55	,14-Aug-2008
392,	18.3,	51.7,	15,	1.56	,14:31:55	,14-Aug-2008
393,	16.9,	51.7,	15,	1.36	,14:32:55	,14-Aug-2008
394,	19.6,	51.7,	14,	2.52	,14:33:55	,14-Aug-2008
395,	19.7,	51.7,	15,	2.13	,14:34:55	,14-Aug-2008
396,	16.4,	51.7,	14,	1.78	,14:35:55	,14-Aug-2008
397,	17.3,	51.7,	14,	0.49	,14:36:55	,14-Aug-2008
398,	18.8,	51.7,	14,	0.77	,14:37:55	,14-Aug-2008
399,	14.0,	51.7,	14,	1.36	,14:38:55	,14-Aug-2008
400,	18.7,	51.7,	14,	1.97	,14:39:55	,14-Aug-2008
401,	16.7,	51.8,	14,	2.15	,14:40:55	,14-Aug-2008
402,	18.8,	51.8,	14,	2.46	,14:41:55	,14-Aug-2008
403,	19.0,	51.8,	14,	1.01	,14:42:55	,14-Aug-2008
404,	20.3,	51.8,	14,	2.12	,14:43:55	,14-Aug-2008
405,	20.2,	51.8,	14,	2.23	,14:44:55	,14-Aug-2008
406,	21.9,	51.8,	14,	0.77	,14:45:55	,14-Aug-2008
407,	20.4,	51.8,	14,	1.06	,14:46:55	,14-Aug-2008
408,	37.7,	51.8,	14,	1.27	,14:47:55	,14-Aug-2008
409,	72.6,	51.7,	14,	0.41	,14:48:55	,14-Aug-2008
410,	31.1,	51.8,	14,	0.39	,14:49:55	,14-Aug-2008
411,	19.1,	51.8,	14,	1.00	,14:50:55	,14-Aug-2008
412,	20.0,	51.8,	14,	1.29	,14:51:55	,14-Aug-2008
413,	20.6,	51.8,	14,	0.78	,14:52:55	,14-Aug-2008
414,	18.7,	51.8,	14,	0.37	,14:53:55	,14-Aug-2008
415,	16.1,	51.8,	14,	1.00	,14:54:55	,14-Aug-2008
416,	12.5,	51.8,	14,	0.46	,14:55:55	,14-Aug-2008
417,	23.2,	51.8,	14,	1.47	,14:56:55	,14-Aug-2008
418,	15.2,	51.8,	14,	0.92	,14:57:55	,14-Aug-2008
419,	78.5,	51.8,	14,	0.93	,14:58:55	,14-Aug-2008
420,	39.9,	51.8,	14,	2.47	,14:59:55	,14-Aug-2008
421,	19.1,	51.8,	14,	3.59	,15:00:55	,14-Aug-2008
422,	17.8,	51.8,	14,	2.38	,15:01:55	,14-Aug-2008
423,	10.0,	51.8,	14,	0.50	,15:02:55	,14-Aug-2008
424,	10.7,	51.7,	14,	0.92	,15:03:55	,14-Aug-2008
425,	20.6,	51.7,	14,	3.21	,15:04:55	,14-Aug-2008
426,	17.6,	51.7,	14,	3.25	,15:05:55	,14-Aug-2008
427,	14.4,	51.7,	14,	1.16	,15:06:55	,14-Aug-2008
428,	9.8,	51.7,	14,	0.48	,15:07:55	,14-Aug-2008
429,	13.4,	51.6,	14,	0.40	,15:08:55	,14-Aug-2008
430,	15.9,	51.6,	14,	1.37	,15:09:55	,14-Aug-2008

Air Monitor Results CRZ (8-14-08)

431,	13.5,	51.6,	14,	1.88	,15:10:55	,14-Aug-2008
432,	15.6,	51.6,	14,	1.19	,15:11:55	,14-Aug-2008
433,	18.6,	51.6,	14,	1.23	,15:12:55	,14-Aug-2008
434,	18.9,	51.6,	14,	0.73	,15:13:55	,14-Aug-2008
435,	10.0,	51.6,	14,	0.30	,15:14:55	,14-Aug-2008
436,	14.2,	51.5,	14,	1.62	,15:15:55	,14-Aug-2008
437,	21.4,	51.5,	14,	1.44	,15:16:55	,14-Aug-2008
438,	14.4,	51.5,	14,	0.54	,15:17:55	,14-Aug-2008
439,	22.5,	51.4,	14,	1.98	,15:18:55	,14-Aug-2008
440,	22.2,	51.4,	14,	3.13	,15:19:55	,14-Aug-2008
441,	14.6,	51.4,	14,	1.07	,15:20:55	,14-Aug-2008
442,	22.1,	51.4,	14,	2.17	,15:21:55	,14-Aug-2008

Air Monitor Results East (8-14-08)

"Serial no. ", "D199 "
"Device no. ", 1
"Tag Number ", 1
"Start Time ", 08:59:59
"Start Date ", 14-Aug-2008
"Log Period ", 00:01:00
"Number   ", 462
"CalFactor   ", 1.000000
"Unit   ", 0
"Unit Name   ", "(MASS)ug/m3"
"SIZE_CORRECT", "DISABLED"
"TEMPUNITS   ", C
"Max MASS   ", 77.871760
"Max MASS @ ", 62
"Avg MASS   ", 13.2281 ,09:00:59 ,14-Aug-2008
"Max Diam   ", 1.741244
"Max Diam @ ",   ,08:58:59 ,14-Aug-2008
"Avg Diam   ", 0.543343
"ALARM   ", "DISABLED"
"ALARM_LEVEL ", 0.0
"AUTO_ZERO   ", "DISABLED"
"AZ INTERVAL ", 10
"Errors   ", 0000

record	"(MASS)ug/m3"	Temp	RHumidity	Diameter		
1,	21.3,	26.3,	38,	1.34	,09:00:59	,14-Aug-2008
2,	15.2,	26.2,	40,	0.81	,09:01:59	,14-Aug-2008
3,	14.5,	26.2,	41,	0.49	,09:02:59	,14-Aug-2008
4,	21.2,	26.1,	42,	0.56	,09:03:59	,14-Aug-2008
5,	35.2,	26.1,	43,	0.91	,09:04:59	,14-Aug-2008
6,	18.3,	26.0,	44,	0.81	,09:05:59	,14-Aug-2008
7,	16.5,	25.9,	44,	0.98	,09:06:59	,14-Aug-2008
8,	17.1,	25.9,	45,	0.83	,09:07:59	,14-Aug-2008
9,	22.6,	25.8,	45,	1.13	,09:08:59	,14-Aug-2008
10,	21.4,	25.7,	45,	1.25	,09:09:59	,14-Aug-2008
11,	18.7,	25.6,	46,	1.29	,09:10:59	,14-Aug-2008
12,	15.7,	25.6,	46,	0.72	,09:11:59	,14-Aug-2008
13,	11.7,	25.5,	47,	0.48	,09:12:59	,14-Aug-2008
14,	16.5,	25.5,	47,	0.84	,09:13:59	,14-Aug-2008
15,	13.9,	25.4,	47,	0.92	,09:14:59	,14-Aug-2008
16,	9.6,	25.4,	48,	0.51	,09:15:59	,14-Aug-2008
17,	10.5,	25.3,	48,	0.58	,09:16:59	,14-Aug-2008
18,	9.5,	25.3,	48,	0.51	,09:17:59	,14-Aug-2008
19,	10.9,	25.2,	48,	0.46	,09:18:59	,14-Aug-2008
20,	8.2,	25.2,	49,	0.38	,09:19:59	,14-Aug-2008
21,	8.0,	25.2,	49,	0.35	,09:20:59	,14-Aug-2008
22,	32.2,	25.2,	49,	0.53	,09:21:59	,14-Aug-2008
23,	8.6,	25.1,	49,	0.46	,09:22:59	,14-Aug-2008
24,	16.0,	25.1,	49,	0.52	,09:23:59	,14-Aug-2008
25,	25.2,	25.1,	49,	0.77	,09:24:59	,14-Aug-2008
26,	38.9,	25.1,	49,	0.74	,09:25:59	,14-Aug-2008
27,	29.8,	25.1,	49,	0.77	,09:26:59	,14-Aug-2008
28,	17.5,	25.0,	50,	0.74	,09:27:59	,14-Aug-2008
29,	9.2,	25.0,	50,	0.46	,09:28:59	,14-Aug-2008
30,	10.9,	25.0,	50,	0.58	,09:29:59	,14-Aug-2008
31,	64.7,	25.0,	51,	1.11	,09:30:59	,14-Aug-2008
32,	19.7,	25.0,	51,	0.98	,09:31:59	,14-Aug-2008
33,	14.1,	25.0,	51,	0.64	,09:32:59	,14-Aug-2008
34,	10.1,	25.0,	51,	0.42	,09:33:59	,14-Aug-2008
35,	14.6,	25.0,	51,	0.60	,09:34:59	,14-Aug-2008
36,	12.6,	25.1,	51,	0.57	,09:35:59	,14-Aug-2008
37,	58.5,	25.1,	51,	0.96	,09:36:59	,14-Aug-2008
38,	12.7,	25.1,	51,	0.40	,09:37:59	,14-Aug-2008
39,	16.1,	25.1,	51,	0.60	,09:38:59	,14-Aug-2008

40,	18.2,	25.1,	51,	0.81	,09:39:59	,14-Aug-2008
41,	11.1,	25.1,	51,	0.46	,09:40:59	,14-Aug-2008
42,	20.0,	25.1,	51,	0.51	,09:41:59	,14-Aug-2008
43,	71.5,	25.1,	51,	1.74	,09:42:59	,14-Aug-2008
44,	17.6,	25.2,	51,	0.76	,09:43:59	,14-Aug-2008
45,	56.5,	25.2,	51,	0.64	,09:44:59	,14-Aug-2008
46,	15.9,	25.2,	51,	0.66	,09:45:59	,14-Aug-2008
47,	21.5,	25.3,	51,	0.74	,09:46:59	,14-Aug-2008
48,	17.3,	25.3,	51,	0.59	,09:47:59	,14-Aug-2008
49,	42.7,	25.4,	51,	0.99	,09:48:59	,14-Aug-2008
50,	18.3,	25.4,	51,	0.88	,09:49:59	,14-Aug-2008
51,	12.4,	25.4,	51,	0.69	,09:50:59	,14-Aug-2008
52,	23.6,	25.5,	51,	0.73	,09:51:59	,14-Aug-2008
53,	63.8,	25.5,	51,	1.51	,09:52:59	,14-Aug-2008
54,	69.5,	25.5,	51,	1.73	,09:53:59	,14-Aug-2008
55,	12.9,	25.6,	51,	0.61	,09:54:59	,14-Aug-2008
56,	29.6,	25.6,	51,	0.76	,09:55:59	,14-Aug-2008
57,	14.3,	25.6,	51,	0.64	,09:56:59	,14-Aug-2008
58,	10.5,	25.7,	51,	0.41	,09:57:59	,14-Aug-2008
59,	18.6,	25.7,	51,	0.54	,09:58:59	,14-Aug-2008
60,	15.0,	25.7,	51,	0.58	,09:59:59	,14-Aug-2008
61,	21.4,	25.8,	51,	0.84	,10:00:59	,14-Aug-2008
62,	77.9,	25.8,	51,	0.83	,10:01:59	,14-Aug-2008
63,	24.3,	25.9,	50,	0.72	,10:02:59	,14-Aug-2008
64,	19.7,	25.9,	51,	0.77	,10:03:59	,14-Aug-2008
65,	13.0,	26.0,	51,	0.63	,10:04:59	,14-Aug-2008
66,	15.6,	26.0,	51,	0.55	,10:05:59	,14-Aug-2008
67,	14.5,	26.1,	51,	0.49	,10:06:59	,14-Aug-2008
68,	12.4,	26.1,	51,	0.55	,10:07:59	,14-Aug-2008
69,	12.4,	26.2,	51,	0.62	,10:08:59	,14-Aug-2008
70,	9.8,	26.2,	51,	0.44	,10:09:59	,14-Aug-2008
71,	11.2,	26.3,	51,	0.41	,10:10:59	,14-Aug-2008
72,	10.1,	26.3,	51,	0.35	,10:11:59	,14-Aug-2008
73,	9.3,	26.4,	51,	0.48	,10:12:59	,14-Aug-2008
74,	8.9,	26.5,	51,	0.33	,10:13:59	,14-Aug-2008
75,	10.4,	26.5,	51,	0.48	,10:14:59	,14-Aug-2008
76,	9.6,	26.6,	50,	0.45	,10:15:59	,14-Aug-2008
77,	12.3,	26.6,	51,	0.40	,10:16:59	,14-Aug-2008
78,	9.1,	26.7,	50,	0.34	,10:17:59	,14-Aug-2008
79,	14.0,	26.7,	50,	0.57	,10:18:59	,14-Aug-2008
80,	9.1,	26.8,	50,	0.43	,10:19:59	,14-Aug-2008
81,	11.1,	26.9,	50,	0.50	,10:20:59	,14-Aug-2008
82,	7.1,	27.0,	50,	0.33	,10:21:59	,14-Aug-2008
83,	6.3,	27.0,	50,	0.40	,10:22:59	,14-Aug-2008
84,	11.1,	27.1,	50,	0.47	,10:23:59	,14-Aug-2008
85,	13.4,	27.2,	50,	0.72	,10:24:59	,14-Aug-2008
86,	11.3,	27.3,	50,	0.54	,10:25:59	,14-Aug-2008
87,	16.7,	27.3,	50,	0.69	,10:26:59	,14-Aug-2008
88,	15.9,	27.4,	49,	0.77	,10:27:59	,14-Aug-2008
89,	12.8,	27.5,	49,	0.73	,10:28:59	,14-Aug-2008
90,	9.1,	27.5,	49,	0.63	,10:29:59	,14-Aug-2008
91,	6.8,	27.6,	49,	0.39	,10:30:59	,14-Aug-2008
92,	7.2,	27 33,	0.35	,10:31:59	,14-Aug-2008	
243,	8.0,	36.8,	33,	0.39	,10:32:59	,14-Aug-2008
244,	10.3,	36.9,	33,	0.45	,10:33:59	,14-Aug-2008
245,	17.9,	36.9,	33,	0.71	,10:34:59	,14-Aug-2008
246,	14.6,	37.0,	33,	0.95	,10:35:59	,14-Aug-2008
247,	10.8,	37.1,	32,	0.43	,10:36:59	,14-Aug-2008
248,	8.4,	37.1,	32,	0.31	,10:37:59	,14-Aug-2008
249,	10.6,	37.2,	32,	0.41	,10:38:59	,14-Aug-2008
250,	10.1,	37.2,	32,	0.48	,10:39:59	,14-Aug-2008
251,	8.7,	37.3,	32,	0.43	,10:40:59	,14-Aug-2008
252,	9.9,	37.3,	32,	0.49	,10:41:59	,14-Aug-2008

253,	10.9,	37.4,	33,	0.49	,10:42:59	,14-Aug-2008
254,	9.0,	37.5,	33,	0.44	,10:43:59	,14-Aug-2008
255,	8.6,	37.5,	33,	0.39	,10:44:59	,14-Aug-2008
256,	8.4,	37.6,	32,	0.41	,10:45:59	,14-Aug-2008
257,	8.4,	37.7,	32,	0.38	,10:46:59	,14-Aug-2008
258,	10.5,	37.7,	32,	0.40	,10:47:59	,14-Aug-2008
259,	9.7,	37.8,	32,	0.47	,10:48:59	,14-Aug-2008
260,	8.7,	37.9,	32,	0.39	,10:49:59	,14-Aug-2008
261,	8.4,	37.9,	32,	0.37	,10:50:59	,14-Aug-2008
262,	8.9,	38.0,	32,	0.36	,10:51:59	,14-Aug-2008
263,	11.6,	38.0,	32,	0.42	,10:52:59	,14-Aug-2008
264,	20.0,	38.1,	31,	0.76	,10:53:59	,14-Aug-2008
265,	9.8,	38.1,	31,	0.65	,10:54:59	,14-Aug-2008
266,	9.1,	38.1,	31,	0.34	,10:55:59	,14-Aug-2008
267,	8.9,	38.2,	31,	0.35	,10:56:59	,14-Aug-2008
268,	8.4,	38.2,	31,	0.36	,10:57:59	,14-Aug-2008
269,	6.6,	38.3,	31,	0.34	,10:58:59	,14-Aug-2008
270,	6.9,	38.3,	31,	0.37	,10:59:59	,14-Aug-2008
271,	7.5,	38.4,	31,	0.30	,11:00:59	,14-Aug-2008
272,	7.1,	38.5,	31,	0.34	,11:01:59	,14-Aug-2008
273,	11.2,	38.5,	31,	0.53	,11:02:59	,14-Aug-2008
274,	8.3,	38.5,	31,	0.35	,11:03:59	,14-Aug-2008
275,	7.8,	38.6,	31,	0.34	,11:04:59	,14-Aug-2008
276,	8.2,	38.6,	30,	0.36	,11:05:59	,14-Aug-2008
277,	9.9,	38.7,	30,	0.52	,11:06:59	,14-Aug-2008
278,	9.1,	38.7,	30,	0.43	,11:07:59	,14-Aug-2008
279,	7.5,	38.8,	30,	0.32	,11:08:59	,14-Aug-2008
280,	8.0,	38.9,	30,	0.40	,11:09:59	,14-Aug-2008
281,	8.3,	38.9,	30,	0.37	,11:10:59	,14-Aug-2008
282,	10.2,	39.0,	30,	0.59	,11:11:59	,14-Aug-2008
283,	8.2,	39.0,	30,	0.41	,11:12:59	,14-Aug-2008
284,	12.4,	39.1,	30,	0.56	,11:13:59	,14-Aug-2008
285,	33.5,	39.2,	30,	0.75	,11:14:59	,14-Aug-2008
286,	12.1,	39.2,	30,	0.56	,11:15:59	,14-Aug-2008
287,	8.6,	39.3,	30,	0.46	,11:16:59	,14-Aug-2008
288,	10.9,	39.3,	30,	0.49	,11:17:59	,14-Aug-2008
289,	9.2,	39.4,	29,	0.38	,11:18:59	,14-Aug-2008
290,	9.0,	39.5,	29,	0.43	,11:19:59	,14-Aug-2008
291,	9.9,	39.5,	29,	0.50	,11:20:59	,14-Aug-2008
292,	8.7,	39.6,	29,	0.44	,11:21:59	,14-Aug-2008
293,	11.5,	39.6,	29,	0.54	,11:22:59	,14-Aug-2008
294,	8.3,	39.7,	29,	0.35	,11:23:59	,14-Aug-2008
295,	18.6,	39.7,	29,	0.45	,11:24:59	,14-Aug-2008
296,	20.7,	39.8,	29,	0.60	,11:25:59	,14-Aug-2008
297,	14.0,	39.9,	29,	0.72	,11:26:59	,14-Aug-2008
298,	10.0,	40.0,	29,	0.58	,11:27:59	,14-Aug-2008
299,	11.0,	40.0,	28,	0.45	,11:28:59	,14-Aug-2008
300,	15.9,	40.1,	28,	0.55	,11:29:59	,14-Aug-2008
301,	10.9,	40.1,	29,	0.50	,11:30:59	,14-Aug-2008
302,	9.6,	40.2,	28,	0.52	,11:31:59	,14-Aug-2008
303,	9.1,	40.3,	28,	0.46	,11:32:59	,14-Aug-2008
304,	9.3,	40.3,	28,	0.44	,11:33:59	,14-Aug-2008
305,	8.4,	40.4,	28,	0.43	,11:34:59	,14-Aug-2008
306,	11.9,	40.4,	28,	0.44	,11:35:59	,14-Aug-2008
307,	22.9,	40.5,	28,	0.71	,11:36:59	,14-Aug-2008
308,	22.8,	40.5,	28,	0.70	,11:37:59	,14-Aug-2008
309,	10.1,	40.5,	28,	0.48	,11:38:59	,14-Aug-2008
310,	10.2,	40.6,	28,	0.44	,11:39:59	,14-Aug-2008
311,	11.5,	40.6,	28,	0.50	,11:40:59	,14-Aug-2008
312,	10.4,	40.6,	28,	0.40	,11:41:59	,14-Aug-2008
313,	10.4,	40.7,	28,	0.54	,11:42:59	,14-Aug-2008
314,	9.8,	40.8,	27,	0.38	,11:43:59	,14-Aug-2008
315,	9.6,	40.8,	27,	0.47	,11:44:59	,14-Aug-2008

316,	8.6,	40.9,	27,	0.40	,11:45:59	,14-Aug-2008
317,	8.9,	41.0,	27,	0.45	,11:46:59	,14-Aug-2008
318,	25.1,	41.0,	27,	1.05	,11:47:59	,14-Aug-2008
319,	13.5,	41.1,	27,	0.69	,11:48:59	,14-Aug-2008
320,	10.2,	41.1,	27,	0.64	,11:49:59	,14-Aug-2008
321,	10.0,	41.2,	26,	0.54	,11:50:59	,14-Aug-2008
322,	9.4,	41.2,	26,	0.58	,11:51:59	,14-Aug-2008
323,	8.4,	41.3,	26,	0.52	,11:52:59	,14-Aug-2008
324,	9.5,	41.4,	26,	0.43	,11:53:59	,14-Aug-2008
325,	10.5,	41.5,	26,	0.43	,11:54:59	,14-Aug-2008
326,	8.8,	41.5,	26,	0.54	,11:55:59	,14-Aug-2008
327,	8.9,	41.6,	26,	0.40	,11:56:59	,14-Aug-2008
328,	9.6,	41.7,	26,	0.49	,11:57:59	,14-Aug-2008
329,	12.3,	41.7,	26,	0.55	,11:58:59	,14-Aug-2008
330,	25.9,	41.7,	26,	1.05	,11:59:59	,14-Aug-2008
331,	12.8,	41.8,	26,	0.61	,12:00:59	,14-Aug-2008
332,	8.6,	41.8,	26,	0.40	,12:01:59	,14-Aug-2008
333,	9.5,	41.9,	26,	0.36	,12:02:59	,14-Aug-2008
334,	10.3,	42.0,	26,	0.48	,12:03:59	,14-Aug-2008
335,	11.4,	42.0,	26,	0.45	,12:04:59	,14-Aug-2008
336,	13.1,	42.1,	25,	0.53	,12:05:59	,14-Aug-2008
337,	15.2,	42.1,	25,	0.55	,12:06:59	,14-Aug-2008
338,	13.3,	42.2,	25,	0.54	,12:07:59	,14-Aug-2008
339,	10.5,	42.2,	25,	0.48	,12:08:59	,14-Aug-2008
340,402,	8.9,	44.2,	22,	0.49	,12:09:59	,14-Aug-2008
403,	10.9,	44.2,	22,	0.52	,12:10:59	,14-Aug-2008
404,	9.9,	44.2,	22,	0.50	,12:11:59	,14-Aug-2008
405,	8.2,	44.2,	22,	0.42	,12:12:59	,14-Aug-2008
406,	9.1,	44.2,	22,	0.42	,12:13:59	,14-Aug-2008
407,	9.9,	44.2,	22,	0.49	,12:14:59	,14-Aug-2008
408,	10.3,	44.2,	22,	0.55	,12:15:59	,14-Aug-2008
409,	10.4,	44.3,	22,	0.53	,12:16:59	,14-Aug-2008
410,	11.5,	44.3,	22,	,12:17:59	,14-Aug-2008	
0.4525						
411,	9.5,	44.3,	22,	0.62	,12:18:59	,14-Aug-2008
412,	7.4,	44.3,	22,	0.35	,12:19:59	,14-Aug-2008
413,	8.5,	44.3,	22,	0.46	,12:20:59	,14-Aug-2008
414,	6.9,	44.4,	22,	0.40	,12:21:59	,14-Aug-2008
415,	10.1,	44.4,	22,	0.32	,12:22:59	,14-Aug-2008
416,	7.4,	44.4,	22,	0.29	,12:23:59	,14-Aug-2008
417,	9.0,	44.4,	22,	0.39	,12:24:59	,14-Aug-2008
418,	8.0,	44.5,	22,	0.38	,12:25:59	,14-Aug-2008
419,	10.2,	44.5,	22,	0.49	,12:26:59	,14-Aug-2008
420,	8.3,	44.5,	22,	0.36	,12:27:59	,14-Aug-2008
421,	8.0,	44.5,	22,	0.39	,12:28:59	,14-Aug-2008
422,	9.5,	44.5,	22,	0.58	,12:29:59	,14-Aug-2008
423,	9.0,	44.5,	22,	0.38	,12:30:59	,14-Aug-2008
424,	7.7,	44.5,	22,	0.43	,12:31:59	,14-Aug-2008
425,	21.3,	44.5,	22,	0.40	,12:32:59	,14-Aug-2008
426,	35.5,	44.6,	22,	0.30	,12:33:59	,14-Aug-2008
427,	25.9,	44.6,	22,	0.24	,12:34:59	,14-Aug-2008
428,	10.8,	44.6,	22,	0.31	,12:35:59	,14-Aug-2008
429,	9.6,	44.6,	22,	0.45	,12:36:59	,14-Aug-2008
430,	9.7,	44.6,	21,	0.59	,12:37:59	,14-Aug-2008
431,	8.6,	44.6,	21,	0.48	,12:38:59	,14-Aug-2008
432,	10.7,	44.6,	21,	0.65	,12:39:59	,14-Aug-2008
433,	12.7,	44.6,	21,	1.15	,12:40:59	,14-Aug-2008
434,	9.7,	44.6,	21,	0.63	,12:41:59	,14-Aug-2008
435,	9.4,	44.7,	21,	0.46	,12:42:59	,14-Aug-2008
436,	11.5,	44.6,	21,	0.42	,12:43:59	,14-Aug-2008
437,	14.9,	44.7,	21,	0.47	,12:44:59	,14-Aug-2008
438,	10.9,	44.7,	21,	0.51	,12:45:59	,14-Aug-2008
439,	9.8,	44.7,	21,	0.45	,12:46:59	,14-Aug-2008

Air Monitor Results East (8-14-08)

440,	11.0,	44.7,	21,	0.49	,12:47:59	,14-Aug-2008
441,	10.6,	44.7,	21,	0.43	,12:48:59	,14-Aug-2008
442,	15.1,	44.7,	21,	0.71	,12:49:59	,14-Aug-2008
443,	10.7,	44.6,	21,	0.64	,12:50:59	,14-Aug-2008
444,	8.5,	44.7,	21,	0.51	,12:51:59	,14-Aug-2008
445,	8.6,	44.6,	21,	0.72	,12:52:59	,14-Aug-2008
446,	9.3,	44.6,	21,	0.66	,12:53:59	,14-Aug-2008
447,	10.4,	44.6,	20,	0.62	,12:54:59	,14-Aug-2008
448,	8.6,	44.7,	21,	0.46	,12:55:59	,14-Aug-2008
449,	7.7,	44.7,	21,	0.43	,12:56:59	,14-Aug-2008
450,	7.8,	44.7,	21,	0.40	,12:57:59	,14-Aug-2008
451,	9.2,	44.7,	21,	0.50	,12:58:59	,14-Aug-2008
452,	8.8,	44.6,	21,	0.45	,12:59:59	,14-Aug-2008
453,	10.1,	44.6,	21,	0.51	,13:00:59	,14-Aug-2008
454,	46.8,	44.6,	21,	1.08	,13:01:59	,14-Aug-2008
455,	61.2,	44.6,	21,	1.35	,13:02:59	,14-Aug-2008
456,	22.2,	44.6,	21,	0.84	,13:03:59	,14-Aug-2008
457,	11.2,	44.7,	21,	0.62	,13:04:59	,14-Aug-2008
458,	8.8,	44.6,	21,	0.54	,13:05:59	,14-Aug-2008
459,	10.8,	44.7,	21,	0.61	,13:06:59	,14-Aug-2008
460,	10.6,	44.7,	21,	0.71	,13:07:59	,14-Aug-2008
461,	9.0,	44.7,	21,	0.59	,13:08:59	,14-Aug-2008
462,	13.7,	44.7,	21,	0.49	,13:09:59	,14-Aug-2008

PORT OF PORTLAND

DAILY DIARY

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

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

DAY OF WEEK & DATE: Fri., Aug 15, 2008 **REPORT NO.** 09

WEATHER Sunny **TEMPERATURE** 69L 102H

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)
Kamatsu PC 300 (Trac-hoe)
International Water Truck (4000gal)
Case 580L (Backhoe-Rental)
Bomag BW177 DH-3 (Single Steel Roller- Rental)
John Deere 650J (Small Dozer-Rental)
Kamatsu PC 200 (Trac-hoe)

CHRONOLOGICAL ACCOUNT OF DAY'S WORK:

(06:00-14:00) Today's contractor's working hours at Wheeler Bay

NOTE: Contractor started to stockpile select fill on site today, delivered by Knife River, at approx. sta. 1+50, next to temp. security fence.
According to Envirocon's superintendent, the select fill material is out of specifications on the no. 10 sieve and yet contractor continued to have Knife River stockpile material on site. 3 truck loads with pup were delivered.

All stockpiled concrete rubble is now removed from project site and hauled to local landfill to be recycled.

PC 300 loading HM30 with clean common excavation material, cut from sta 0+00 to sta 2+00, hauling and dumping on top of bank at sta 4+00. JD650 processing material over bank to create required 3:1 slope.

Contractor has 3 trucks with pups today being loaded with contaminated strippings/soil cut yesterday, from sta 0+00 to 2+00. This material is designated for Wasco county landfill and all trucks are tarped before they leave project site.

An existing irrigation line at sta 0+00, remains inside contractor's grading limits and had to be cut and capped. About 15' of piping was removed.

PC200, BW 177DH on standby/idle all day.

Contractor had delivered to site 2 pallets of jute mate, 15 rolls per pallet and each roll is 4'x100'.
Also delivered 4 rolls of COIR fabric. All material is staged next to contractor's connex trailer.

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:

PORT OF PORTLAND

DAILY DIARY

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

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

DAY OF WEEK & DATE: Fri., Aug 15, 2008 **REPORT NO.** 09

WEATHER Sunny **TEMPERATURE** 69L 102H

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

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

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

PROJECT NUMBER	1066-04		
FIELD REPORT NUMBER	9		
PAGE	1	OF	2
DATE	8/15/2008		

PROJECT	Wheeler Bay Stabilization	ARRIVAL TIME	600 (HC) 1145 (DU)
LOCATION	Terminal 4	DEPARTURE TIME	1155 (HC) 1410 (DU)
CLIENT	Port of Portland	WEATHER	partly cloudy 95 F; NW wind, 8-12 mph
PURPOSE OF OBSERVATIONS	Field Oversight		
ASH CREEK REPRESENTATIVE	H. Clough, D. Urquhart	ASH CREEK PROJECT MANAGER	H. Clough
SUBCONTRACTOR	Envirocon	SUBCONTRACTOR REP.	George Lotze

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

DAILY INSPECTION LOG:

Construction Element	MEETS INSPECTION CRITERIA			SEE ENVIROCON REPORT	SEE BELOW
	YES	NO	NA		
Site Preparation					
Erosion Control Installation			X		
Clearing and Grubbing	X			X	X
Load Out Excess Cut	X			X	X
Debris Clear of Excess Soil			X		
Shoreline Stabilization					
Sub-grade Cut and Fill	X			X	X
Demarcation Layer			X		
Select Fill			X		
Armor Type 3			X		
Material					
Physical/Chemical Testing of Import Material	X			X	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 South 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:

4 loads of debris hauled off; Finish clearing and grubbing at 0+00 to 0+70; cut from 0+00 to 0+100 and fill at 3+50 to 4+50; 10 cy of select fill delivered

W rail crossing; Coir fabric, jute matting, chain, and staples delivered with correct quantity and quality. Select fill and habitat cover grain size tests do r

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PROJECT NUMBER 1066-04
FIELD REPORT NUMBER 9
PAGE 2 OF 2
DATE 8/15/2008

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		

COMMENTS:

D. Urquhart
ASH CREEK ASSOCIATES REPRESENTATIVE

H. Clough
ASH CREEK ASSOCIATES PROJECT MANAGER

DAILY CONSTRUCTION & CQC REPORT

T4 Wheeler Bay Stabilization - PROJECT #1473800

ENVIROCON

Weather:				Report Information.:	
Max Temp:	100	Site Conditions:	dry	Date:	8/15/2008
Min Temp:	70	Winds:	light	Week Day:	Friday
		Precipitation	none	Shift:	6am-2:30p

Report Prepared By:

Personnel	WBS Task	Hours	Start	Finish	Equip	No.	Run	Stdby	WBS Task Code	Comments
KEVIN GEORGE		8	6:00	2:30	PC300 EXC.	Modern	8			Load onroads
WES JENSEN		0			HM300 ARTIC	Modern	3			Transport material to slope
GEORGE LOTZE		10	6:00	4:30	BOMAG ROLLER	United	0			
RICK MARTIN		10	6:00	4:30	JD650 DOZER	United	3			Place fill on slope
MIKE MCCOY		8	6:00	2:30	PC200 EXC.	3366	3			Clear and grub
MATTHEW PATCHING		0			WATER TRUCK	United	5			Dust control
SKIP SIMPSON					JD310 BACKHOE	1196	0			
SUZANNE STARKEY										

DESCRIPTION OF WORK (detail below):

Load 4 onroad trucks to Wasco county landfill with PC300. Clear and grub with PC 200. Place fill material with JD650 dozer. Dust control with water truck.

Transport fill material with HM300 Artic. Import 4 loads of select fill and stockpile. Import 1 solo load of 3/4inch minus and stockpile to use on RR crossing.

Received verbal approval to remove walking pier. Received verbal approval to relocate utilities.

DOWNTIME OR DELAYS:

MATERIAL PLACED:

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

COMMENTS (Material Delivered-Removed/Qty.):

4 loads of select fill (317.75 TN), 1 solo load of 3/4inch minus (14.57 TN), 30 rolls of Jute matt, 6 rolls of Coir fabric, 600 feet of 5/8 inch galv lashing chain,

30 @ 5/8" galv screw shackles, removed 4 loads of debris to Wasco county landfill.

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:

ATTACHMENT C

DAILY RESULTS FROM WATER QUALITY MONITORING ACTIVITIES

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

Date: 08/12/2008

Construction Activity: Berth 414 Dredging

Caonstruction Activity Times: Dredging occurred from 13:00 - 14:40

Monitoring Times: Background Parameters taken at 11:55; Compliance Parameters taken 13:45 to 14:06

Round of Sampling for Day: 1st of 1 Round of Sampling

Water Velocity (fps)	**O ft/s @ 11 ft**

Station ID: Background Station Field Parameters taken at: 11:55

Water Depth (ft)		Parameters			
Depth to Bottom	40.5 ft	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3 ft	8.06	21.08	5.8	7.16
Depth 2	20 ft	7.99	20.85	5.0	7.20
Depth 3	37 ft	7.80	20.82	7.0	7.20

Station ID: Early Warning Station Field Parameters taken at: 14:06 7.0 NTU + 5.0 NTU = 12.0 NTU Turbidity Trigger

Water Depth (ft)		Parameters			
Depth to Bottom	51 ft	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3 ft	8.98	21.74	3.1	7.36
Depth 2	25 ft	7.75	20.96	3.9	7.19
Depth 3	48 ft	7.54	20.80	8.7	7.16

Station ID: North Station Parameters taken at: 14:00

Water Depth (ft)		Parameters			
Depth to Bottom	49.5 ft	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3 ft	9.08	21.82	2.9	7.39
Depth 2	25 ft	7.90	20.92	4.2	7.20
Depth 3	46.5 ft	7.62	20.82	7.4	7.16

Station ID: South Station Parameters taken at: 13:45

Water Depth (ft)		Parameters			
Depth to Bottom	53 ft	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3 ft	8.72	21.42	2.9	7.22
Depth 2	25 ft	7.96	20.87	4.3	7.20
Depth 3	50 ft	7.62	20.79	12.80	7.16

Station ID: Middle Station Parameters taken at: 13:50 12.80 NTU exceeds Trigger by 0.8 NTU

Water Depth (ft)		Parameters			
Depth to Bottom	52 ft	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3 ft	8.67	21.60	3.2	7.27
Depth 2	25 ft	7.84	20.88	4.1	7.17
Depth 3	49 ft	7.69	20.78	5.7	7.19

Trigger:

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

Port of Portland Phase I Removal Action
Daily Reporting Template for Laboratory Parameters

Date:	8/15/2008
Time:	17:15
On-Time Result or Update:	On-time result
Construction Activity:	**B414 Dredging**
Round of Sampling for Day (eg., 1st of 3 events):	**1st of 1 Round of Sampling**
Additional Comments:	

							Sample I.D.:			
							T4 BG 1C 080812	T4_S3C M A 080812	T4_S3C M B 080812	T4_S3C M C 080812
		Acute	**Chronic**	**Highest**	**Background Location**			**Construction Location**		
Parameter	**Units**	**Criterion**	**Criterion**	**Background***	**Top**	**Middle**	**Bottom**	**Top**	**Middle**	**Bottom**
Conventional Parameters										
Total Suspended Solids (TSS)	mg/L	--	--	TBD			9.00	ND	ND	16.0
Metals[6]										
Cadmium	µg/L	0.5	0.09	TBD			ND	ND	ND	ND
Lead	µg/L	14	0.54	TBD			ND	ND	ND	ND
Zinc	µg/L	36	36	TBD			13.5	11.5	7.98	8.67
Polycyclic Aromatic Hydrocarbons (PAHs)										
Naphthalene	µg/L	807	194	TBD			ND	ND	ND	ND
Acenaphthylene	µg/L	1277	307	TBD			ND	ND	ND	ND
Acenaphthene	µg/L	233	56	TBD			ND	ND	ND	ND
Fluorene	µg/L	162	39	TBD			ND	ND	ND	ND
Phenanthrene	µg/L	79	19	TBD			ND	ND	ND	ND
Anthracene	µg/L	87	21	TBD			ND	ND	ND	ND
Fluoranthene	µg/L	30	7.1	TBD			ND	ND	ND	ND
Pyrene	µg/L	42	10	TBD			ND	ND	ND	ND
Benzo(a)anthracene	µg/L	9.2	2.2	TBD			ND	ND	ND	ND
Chrysene	µg/L	8.3	2.0	TBD			ND	ND	ND	ND
Benzo(b)fluoranthene	µg/L	2.8	0.68	TBD			ND	ND	ND	ND
Benzo(k)fluoranthene	µg/L	2.7	0.64	TBD			ND	ND	ND	ND
Benzo(a)pyrene	µg/L	4.0	0.96	TBD			ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	µg/L	1.2	0.28	TBD			ND	ND	ND	ND
Dibenzo(a,h)anthracene	µg/L	1.2	0.28	TBD			ND	ND	ND	ND
Benzo(g,h,i)perylene	µg/L	1.8	0.44	TBD			ND	ND	ND	ND

Notes:

N/AV - Result not yet available ND - Non Detect J - Not within quality control limits, estimated data

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

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

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

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

Date: 10/13/2008
Construction Activity: Slip 3 "Center Square" Dredging
Construction Activity Times: Dredging occurred from 09:45 - 16:30
Monitoring Times: Background Parameters taken at 09:50; Compliance Parameters taken 10:30 to 16:10
Rounds of Sampling for Day: 4
Updated Turbidity Trigger: 10.4 NTU based on 5.4 NTU 90th Percentile Calculated Value

Triggers:

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

Water Velocity (fps)	**.27 ft/s @ 11 ft**				
Station ID: Background Station Field Parameters taken at: 9:50					
Water Depth (ft)		Parameters			
Depth to Bottom	41.9	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	9.21	21.20	1.5	7.27
Depth 2	20.0	8.85	21.08	3.8	7.26
Depth 3	37.0	8.61	21.05	5.3	7.24
Station ID: Early Warning Station Field Parameters taken at: 10:30					
Water Depth (ft)		Parameters			
Depth to Bottom	42.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	9.30	21.43	0.9	7.28
Depth 2	20.0	8.81	21.08	1.4	7.27
Depth 3	39.0	8.59	21.08	21-22	7.24
Station ID: North Station Parameters taken at: 10:40					
Water Depth (ft)		Parameters			
Depth to Bottom	46.5	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	8.75	21.25	2.7	7.24
Depth 2	23.0	8.67	21.08	3.2	7.25
Depth 3	43.0	8.44	21.08	5.6	7.07
Station ID: Middle Station Parameters taken at: 10:45					
Water Depth (ft)		Parameters			
Depth to Bottom	43.3	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	9.41	21.31	2.9	7.27
Depth 2	22.0	8.78	21.08	3.4	7.26
Depth 3	40.0	8.49	21.07	36.0	7.21
Station ID: South Station Parameters taken at: 10:55					
Water Depth (ft)		Parameters			
Depth to Bottom	39.7	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	9.4	9.38	21.25	2.4	7.33
Depth 2	8.9	8.91	21.10	2.6	7.30
Depth 3	8.6	8.56	21.06	3.7	7.23
Station ID: Turbidity South Station Parameters taken at: 11:50					
Water Depth (ft)		Parameters			
Depth to Bottom	55.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	9.35	21.35	3.8	7.27
Depth 2	27.0	8.79	21.10	4.5	7.27
Depth 3	52.0	8.33	21.02	6.5	7.23
Station ID: Turbidity Middle Station Parameters taken at: 11:55					
Water Depth (ft)		Parameters			
Depth to Bottom	56.6	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH

Depth 1	2.0	9.65	21.66	3.1	7.40
Depth 2	23.0	8.70	21.09	3.7	7.25
Depth 3	53.0	8.35	21.04	6.7	7.19
Station ID: Turbidity Early Warning Station Parameters taken at: 12:00					
Water Depth (ft)		Parameters			
Depth to Bottom	60.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	9.58	21.39	3.8	7.38
Depth 2	30.0	8.70	21.05	4.8	7.27
Depth 3	57.0	8.39	21.06	13.4	7.70
Station ID: Turbidity North Station Parameters taken at: 12:05					
Water Depth (ft)		Parameters			
Depth to Bottom	31.8	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	9.61	21.64	3.3	7.41
Depth 2	15.0	8.93	21.12	4.1	7.31
Depth 3	28.0	8.69	21.08	5.2	7.26
Round 2					
Station ID: Early Warning Station Parameters taken at: 12:20					
Water Depth (ft)		Parameters			
Depth to Bottom	41.2	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	9.83	22.03	1.7	7.43
Depth 2	21.0	8.95	21.12	2.8	7.32
Depth 3	38.0	8.60	21.10	4.1	7.31
Station ID: Middle Station Parameters taken at: 12:30					
Water Depth (ft)		Parameters			
Depth to Bottom	43.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	10.00	21.81	3.4	7.46
Depth 2	21.0	9.01	21.11	3.7	7.34
Depth 3	40.0	8.53	21.12	31.1	7.23
Station ID: South Station Parameters taken at: 12:45					
Water Depth (ft)		Parameters			
Depth to Bottom	38.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	9.84	21.40	3.0	7.38
Depth 2	19.0	9.12	21.13	3.4	7.34
Depth 3	30.0	8.54	21.09	20.4	7.22
Station ID: North Station Parameters taken at: 13:00					
Water Depth (ft)		Parameters			
Depth to Bottom	46.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	10.10	21.88	3.7	7.49
Depth 2	23.0	8.86	21.13	4.8	7.33
Depth 3	43.0	8.49	21.12	13.0	7.17
Station ID: Turbidity Early Warning Station Parameters taken at: 13:10					
Water Depth (ft)		Parameters			
Depth to Bottom	60.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	2.0	10.01	21.98	1.8	7.47
Depth 2	30.0	9.05	21.12	2.7	7.37
Depth 3	57.0	8.41	21.06	11.1	7.26
Station ID: Turbidity Middle Station Parameters taken at: 13:20					
Water Depth (ft)		Parameters			
Depth to Bottom	56.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	9.68	21.59	2.9	7.37
Depth 2	28.0	8.58	21.08	3.9	7.26
Depth 3	53.0	8.29	21.02	5.9	7.11
Station ID: Turbidity North Station Parameters taken at: 13:30					
Water Depth (ft)		Parameters			
Depth to Bottom	55.9	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	2.0	9.57	21.46	2.8	7.33

Depth 2	23.0	8.85	21.13	3.3	7.30
Depth 3	52.0	8.27	21.01	6.4	7.22
Station ID: Turbidity North Station Parameters taken at: 13:40					
Water Depth (ft)		Parameters			
Depth to Bottom	31.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	10.16	21.96	3.1	7.47
Depth 2	15.0	9.81	21.27	3.4	7.54
Depth 3	28.0	8.92	21.12	4.3	7.33
Round 3					
Station ID: Early Warning Station Parameters taken at: 13:45					
Water Depth (ft)		Parameters			
Depth to Bottom	41.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	10.21	22.50	2.1	7.53
Depth 2	20.0	8.89	21.16	3.3	7.42
Depth 3	38.0	8.68	21.19	34.7	7.26
Station ID: Middle Station Parameters taken at: 14:00					
Water Depth (ft)		Parameters			
Depth to Bottom	44.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	10.55	22.15	2.7	7.63
Depth 2	22.0	8.88	21.16	4.9	7.38
Depth 3	41.0	8.59	21.15	25.7	7.25
Station ID: North Station Parameters taken at: 14:10					
Water Depth (ft)		Parameters			
Depth to Bottom	47.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	2.0	10.46	22.29	2.9	7.62
Depth 2	23.0	8.86	21.22	3.7	7.44
Depth 3	42.0	8.32	21.11	10.1	7.17
Station ID: South Station Parameters taken at: 14:15					
Water Depth (ft)		Parameters			
Depth to Bottom	38.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	10.29	22.78	2.3	7.52
Depth 2	19.0	9.11	21.21	3.4	7.36
Depth 3	35.0	8.71	21.12	5.3	7.28
Station ID: Turbidity Early Warning Station Parameters taken at: 14:45					
Water Depth (ft)		Parameters			
Depth to Bottom	60.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	10.64	22.25	2.5	7.67
Depth 2	30.0	8.90	21.21	2.7	7.42
Depth 3	57.0	8.20	21.07	16.0	7.15
Station ID: Turbidity Middle Station 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	10.30	22.23	3.1	7.59
Depth 2	23.0	8.80	21.14	3.6	7.27
Depth 3	53.0	8.30	21.03	5.8	7.18
Station ID: Turbidity South Station Parameters taken at: 14:55					
Water Depth (ft)		Parameters			
Depth to Bottom	55.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	10.59	22.35	3.2	7.67
Depth 2	27.0	8.87	21.16	3.9	7.40
Depth 3	52.0	8.28	21.01	8.2	7.18
Station ID: Turbidity North Station Parameters taken at: 15:05					
Water Depth (ft)		Parameters			
Depth to Bottom	32.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	10.40	22.0s	2.7	7.62
Depth 2	16.0	9.66	21.35	2.8	7.64

Depth 3	29.0	9.08	21.13	3.7	7.35
Round 4					
Station ID: Early Warning Station Parameters taken at: 15:30					
Water Depth (ft)		Parameters			
Depth to Bottom	40.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	10.69	22.85	1.7	7.70
Depth 2	20.0	8.96	21.24	3.1	7.47
Depth 3	37.0	8.61	21.20	36.0	7.30
Station ID: North Station 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	11.17	22.35	3.0	7.92
Depth 2	24.0	8.84	21.22	3.8	7.35
Depth 3	46.0	8.48	21.12	5.4	7.12
Station ID: Middle Station Parameters taken at: 15:40					
Water Depth (ft)		Parameters			
Depth to Bottom	44.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	10.75	21.94	4.1	7.73
Depth 2	22.0	8.92	21.20	4.8	7.57
Depth 3	41.0	8.60	21.14	23.0	7.29
Station ID: South Station Parameters taken at: 15:45					
Water Depth (ft)		Parameters			
Depth to Bottom	40.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	10.68	22.13	3.3	7.79
Depth 2	20.0	9.50	21.32	3.3	7.55
Depth 3	37.0	9.00	21.19	4.1	7.35
Station ID: Turbidity Early Warning Station Parameters taken at: 15:50					
Water Depth (ft)		Parameters			
Depth to Bottom	61.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	10.74	22.06	2.7	7.75
Depth 2	30.0	8.70	21.16	3.5	7.34
Depth 3	57.0	7.98	21.00	15.9	7.21
Station ID: Turbidity North Station Parameters taken at: 15:55					
Water Depth (ft)		Parameters			
Depth to Bottom	34.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	10.37	21.87	3.3	7.67
Depth 2	17.0	9.01	21.27	3.3	7.31
Depth 3	31.0	9.34	21.15	4.5	7.60
Station ID: Turbidity Middle Station Parameters taken at: 16:05					
Water Depth (ft)		Parameters			
Depth to Bottom	58.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	10.54	22.07	3.2	7.78
Depth 2	29.0	8.68	21.13	4.3	7.29
Depth 3	55.0	8.25	21.03	10.1	7.24
Station ID: Turbidity South Station Parameters taken at: 16:10					
Water Depth (ft)		Parameters			
Depth to Bottom	55.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	10.64	21.98	3.4	7.72
Depth 2	27.0	8.84	21.16	4.0	7.28
Depth 3	52.0	8.31	21.05	7.7	7.23

Port of Portland Phase I Removal Action
Daily Reporting Template for Laboratory Parameters

Date:	8/15/2008
Time:	17:15
On-Time Result or Update:	On-Time Result
Construction Activity:	**Slip 3 "Center Square" Dredging**
Round of Sampling for Day (eg., 1st of 3 events):	**1st of 4 Sampling Events**
Additional Comments:	**Samples collected on 8/13/08**

							Sample I.D.:			
							T4 BG 1C 080813	T4_S3C M A 080813	T4_S3C M B 080813	T4_S3C M C 080813
		Acute	**Chronic**	**Highest**	**Background Location**			**Construction Location**		
Parameter	**Units**	**Criterion**	**Criterion**	**Background***	**Top**	**Middle**	**Bottom**	**Top**	**Middle**	**Bottom**
Conventional Parameters										
Total Suspended Solids (TSS)	mg/L	--	--	TBD			11.0	ND	5.0	20
Metals[6]										
Cadmium	µg/L	0.5	0.09	TBD			ND	ND	ND	ND
Lead	µg/L	14	0.54	TBD			ND	ND	ND	ND
Zinc	µg/L	36	36	TBD			9.11	7.40	9.91	10.70
Polycyclic Aromatic Hydrocarbons (PAHs)										
Naphthalene	µg/L	807	194	TBD			ND	ND	ND	ND
Acenaphthylene	µg/L	1277	307	TBD			ND	ND	ND	ND
Acenaphthene	µg/L	233	56	TBD			ND	ND	ND	ND
Fluorene	µg/L	162	39	TBD			ND	ND	ND	ND
Phenanthrene	µg/L	79	19	TBD			ND	ND	ND	ND
Anthracene	µg/L	87	21	TBD			ND	ND	ND	ND
Fluoranthene	µg/L	30	7.1	TBD			ND	ND	ND	0.0555
Pyrene	µg/L	42	10	TBD			ND	ND	ND	0.0603
Benzo(a)anthracene	µg/L	9.2	2.2	TBD			ND	ND	ND	ND
Chrysene	µg/L	8.3	2.0	TBD			ND	ND	ND	ND
Benzo(b)fluoranthene	µg/L	2.8	0.68	TBD			ND	ND	ND	ND
Benzo(k)fluoranthene	µg/L	2.7	0.64	TBD			ND	ND	ND	ND
Benzo(a)pyrene	µg/L	4.0	0.96	TBD			ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	µg/L	1.2	0.28	TBD			ND	ND	ND	ND
Dibenzo(a,h)anthracene	µg/L	1.2	0.28	TBD			ND	ND	ND	ND
Benzo(g,h,i)perylene	µg/L	1.8	0.44	TBD			ND	ND	ND	ND

Notes:

N/AV - Result not yet available ND - Non Detect J - Not within quality control limits, estimated data

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

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

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

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

Date: 8/14/2008
Construction Activity: Dredging of Slip 3 Center Square
Construction Activity Times: Dredging occurred from 07:35 -09:45
Monitoring Times: Background Parameters taken at 07:40 Compliance Parameters taken 08:10 to 10:08
Rounds of Sampling for Day: 2
Updated Turbidity Trigger: 12.4 NTU based on 7.4 NTU background value (7.4 > 5.37 Calculated 90th Percentile)

Triggers:

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

Water Velocity (fps)	**.30ft/s 14ft**				

Station ID: Background Station Field Parameters taken at: 07:40

Water Depth (ft)		Parameters			
Depth to Bottom	68.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	10.35	21.36	3.0	7.21
Depth 2	34.0	10.30	21.35	3.3	7.30
Depth 3	65.0	9.47	21.18	7.4	7.20

Station ID: Early Warning Station Field Parameters taken at: 08:10

Water Depth (ft)		Parameters			
Depth to Bottom	41.9	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	10.69	21.31	1.2	7.26
Depth 2	20.0	10.51	21.32	1.0	7.35
Depth 3	38.0	10.22	21.28	9.9	7.29

Station ID: North Station Field Parameters taken at: 08:25

Water Depth (ft)		Parameters			
Depth to Bottom	48.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	10.62	21.35	2.2	7.22
Depth 2	24.0	10.42	21.33	2.2	7.29
Depth 3	45.0	10.11	21.24	7.2	7.26

Station ID: Middle Station Field Parameters taken at: 08:35

Water Depth (ft)		Parameters			
Depth to Bottom	43.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	10.69	21.36	3.4	7.25
Depth 2	20.0	10.38	21.31	3.5	7.30
Depth 3	40.0	10.00	21.24	7.2	7.30

Station ID: South Station Field Parameters taken at: 08:45

Water Depth (ft)		Parameters			
Depth to Bottom	40.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	10.37	21.36	2.9	7.27
Depth 2	20.0	10.46	21.33	4.5	7.27
Depth 3	37.0	10.26	21.30	5.3	7.27

Round 2

Station ID: Early Warning Station Field Parameters taken at: 09:30

Water Depth (ft)		Parameters			
Depth to Bottom	40.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	10.91	21.42	1.7	7.28
Depth 2	20.0	10.52	21.33	1.9	7.33

Depth 3	37.0	10.16	21.31	22.4	7.23

Station ID: Middle Station Field Parameters taken at: 09:35

Water Depth (ft)		Parameters			
Depth to Bottom	43.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	10.91	21.46	1.7	7.28
Depth 2	21.0	10.50	21.33	1.8	7.37
Depth 3	40.0	10.11	21.29	28.1	7.26

Station ID: North Station Field Parameters taken at: 09:40

Water Depth (ft)		Parameters			
Depth to Bottom	49.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	10.99	21.39	3.0	7.30
Depth 2	24.0	10.36	21.30	3.5	7.31
Depth 3	46.0	10.02	21.28	24.3	7.24

Station ID: South Station Field Parameters taken at: 09:45

Water Depth (ft)		Parameters			
Depth to Bottom	40.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	10.96	21.46	3.7	7.30
Depth 2	20.0	10.60	21.33	3.5	7.39
Depth 3	37.0	10.23	21.30	10.8	7.28

Station ID: Turbidity Early Warning Station Field Parameters taken at: 09:50

Water Depth (ft)		Parameters			
Depth to Bottom	30.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	10.78	21.46	3.9	7.27
Depth 2	30.0	10.40	21.36	3.5	7.31
Depth 3	57.0	9.96	21.25	5.4	7.29

Station ID: Turbidity North Station Field Parameters taken at: 09:55

Water Depth (ft)		Parameters			
Depth to Bottom	33.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	10.88	21.51	3.2	7.29
Depth 2	16.0	10.51	21.41	3.0	7.33
Depth 3	30.0	10.33	21.35	3.7	7.29

Station ID: Turbidity Middle Station Field Parameters taken at: 10:00

Water Depth (ft)		Parameters			
Depth to Bottom	57.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	10.84	21.49	2.5	7.32
Depth 2	28.0	10.40	21.34	3.9	7.35
Depth 3	54.0	9.97	21.26	6.8	7.28

Station ID: Turbidity South Station Field Parameters taken at: 10:05

Water Depth (ft)		Parameters			
Depth to Bottom	55.0	DO (mg/L)	Temp (°C)	Turb. (NTU)	pH
Depth 1	3.0	10.76	21.49	2.1	7.29
Depth 2	27.0	10.32	21.35	2.7	7.34
Depth 3	52.0	10.08	21.28	5.1	7.26

Port of Portland Phase I Removal Action
Daily Reporting Template for Laboratory Parameters

Reporting Date: 8/17/2008
Reporting Time: 10:00
On-Time Result or Update: On-Time
Construction Activity: Slip 3 Center Square Dredging
Round of Sampling for Day (eg., 1st of 3 events): 1st of 2 Events
Additional Comments: No exceedances

					Sample I.D.:					
							T4 BG 1C 080814	T4_S3C M A 080814	T4_S3C M B 080814	T4_S3C M C 080814
		Acute	Chronic	Highest	Background Location			Construction Location		
Parameter	**Units**	**Criterion**	**Criterion**	**Background***	**Top**	**Middle**	**Bottom**	**Top**	**Middle**	**Bottom**
Conventional Parameters										
Total Suspended Solids (TSS)	mg/L	--	--	TBD			11.0	ND	5.0	20.0
Metals[6]										
Cadmium	µg/L	0.5	0.09	TBD			ND	ND	ND	ND
Lead	µg/L	14	0.54	TBD			ND	ND	ND	ND
Zinc	µg/L	36	36	TBD			7.91	8.73	6.89	5.68
Polycyclic Aromatic Hydrocarbons (PAHs)										
Naphthalene	µg/L	807	194	TBD			ND	ND	ND	ND
Acenaphthylene	µg/L	1277	307	TBD			ND	ND	ND	ND
Acenaphthene	µg/L	233	56	TBD			ND	ND	ND	ND
Fluorene	µg/L	162	39	TBD			ND	ND	ND	ND
Phenanthrene	µg/L	79	19	TBD			ND	ND	ND	ND
Anthracene	µg/L	87	21	TBD			ND	ND	ND	ND
Fluoranthene	µg/L	30	7.1	TBD			ND	ND	ND	0.0512
Pyrene	µg/L	42	10	TBD			ND	ND	ND	0.0552
Benzo(a)anthracene	µg/L	9.2	2.2	TBD			ND	ND	ND	ND
Chrysene	µg/L	8.3	2.0	TBD			ND	ND	ND	ND
Benzo(b)fluoranthene	µg/L	2.8	0.68	TBD			ND	ND	ND	ND
Benzo(k)fluoranthene	µg/L	2.7	0.64	TBD			ND	ND	ND	ND
Benzo(a)pyrene	µg/L	4.0	0.96	TBD			ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	µg/L	1.2	0.28	TBD			ND	ND	ND	ND
Dibenzo(a,h)anthracene	µg/L	1.2	0.28	TBD			ND	ND	ND	ND
Benzo(g,h,i)perylene	µg/L	1.8	0.44	TBD			ND	ND	ND	ND

Notes:
N/AV - Result not yet available ND - Non Detect J - Not within quality control limits, estimated data
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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).