FIELD DATA REPORT

April 2007 Baseline Monitoring (Round 1) Sampling Plan
Former Building 1/36 Biorecirculation Pilot Test
Site-Specific WDR
Boeing Realty Corporation
Former C-6 Facility
Torrance, California
May 2007

Prepared by:

Tait Environmental Management, Inc.
701 N. Parkcenter Drive
Santa Ana, CA 92705

May 18, 2007

Tait Environmental Management, Inc.
Engineering • Environmental • Compliance

May 18, 2007

Mr. Joseph Weidman
Haley & Aldrich, Inc.
3 West Carrillo St.
Suite 201
Santa Barbara, CA 93101

Subject: Field Data Report for the April 2007 Baseline Monitoring (Round 1) Sampling Plan Former Building 1/36 Biorecirculation Pilot Test Site-Specific WDR at the Boeing Realty Corporation, Former C-6 Facility, Torrance, California

Dear Mr. Weidman:

This report was prepared to summarize and present the field data collected during May 2007 for the April 2007 Baseline Monitoring (Round 1) Sampling Plan Former Building 1/36 Biorecirculation Pilot Test Site-Specific WDR at the Boeing Realty Corporation (BRC), Former C-6 Facility, Torrance, California (Site). The Groundwater Monitoring and Sampling activities were performed in accordance with the following:

April 2007 Baseline Monitoring (Round 1) Sampling Plan Former Building 1/36 Biorecirculation Pilot Test Site-Specific WDR by CDM for Boeing Realty Corporation (BRC), dated April 16, 2007.

Table 1: April 2007 Baseline Monitoring Sampling Plan Former Building 1/36 Site-Specific WDR, Former C-6 Facility Site, Los Angeles, California, from CDM, dated April 16, 2007.

Figure 4: Boeing Realty Corporation Former C-6 Facility Proposed Biorecirculation Pilot Study Well Layout, Former C-6 Facility Site, Los Angeles, California, from CDM, dated April 16, 2007.

The following is a brief summary of our field activities:

- A total of 14 monitoring wells were gauged for depth to water and total depth between May 7th, 2007 and May 10th, 2007 as part of the April 2007 Baseline Monitoring (Round 1) Sampling Plan Former Building 1/36 Biorecirculation Pilot Test Site-Specific WDR. These monitoring wells were also inspected during gauging and sampling activities for any damage or missing materials. A total of 14 monitoring wells were reported to be in good conditions.

BOE-C6-0053909

- A total of 14 monitoring wells were purged and sampled between May 8th, 2007 and May 10th, 2007 using a Grundfos electrical submersible pump, Monsoon pump (low flow), Horiba water tester with flow through cell and a Solinst water level meter. Ten wells were purged using the low flow purging technique (Monsoon pump) and four wells were purged using the regular purging technique (Grundfos pump). Field instruments were calibrated daily in the field and the calibration data sheets are included in Appendix B.

- A normal turnaround time of 10 days was requested for lab analysis of all samples.

- Purge water (277 gallons) was transported to an onsite storage tank located in the treatment compound.

Please contact the undersigned at (714) 560-8200, if you have any questions or comments. TEM is pleased to be of continued service to Boeing Realty Corporation.

Sincerely,

Tait Environmental Management, Inc.

Carmen Lo
Environmental Analyst

Clara Boeru
Project Manager

Appendices:

A – April 2007 Baseline Monitoring (Round 1) Sampling Plan Former Building 1/36 Biorecirculation Pilot Test Site-Specific WDR, Laboratory Task Order and Pre-field Checklist

B – Daily Field Reports, Health & Safety Meeting Forms, Chain of Custody Records, Groundwater Sampling Data Sheets, Field Instrument Calibration Data Sheets, Investigation Derived Waste (IDW) Inventory Record, QA/QC Sample Identification Forms and Gauging Data Sheets

BOE-C6-0053910

April 2007 Baseline Monitoring (Round 1) Sampling Plan
Former Building 1/36 Biorecirculation Pilot Test
Site-Specific WDR
Former C-6 Facility
Boeing Realty Corporation
Los Angeles, California

Table 1 presents the details of the first baseline monitoring round that will be required under the pending Site-Specific WDR groundwater monitoring program for the upcoming Former Building 1/36 pilot biorecirculation test. All wells will be gauged prior to collecting groundwater samples to determine static water levels and total well depth. Please note that the amendment wells (well IDs staring with "AW") have been recently exposed for the upcoming pilot study and require a notch or mark to be made on the casing for use as a reference point during the current and future water level measurements. The well locations are shown on the attached figure.

Low-flow purging techniques, to maintain uniform flow rates on the order of 0.1 to 0.5 liters/min, will be used to collect groundwater samples and minimize disturbance to the groundwater in the wells such that drawdown is less than 0.3 foot. Samples collected from each well will be tested for biogeochemical parameters using an YSI unit, field test kits, and fixed-base laboratory analyses. The YSI unit or equal, with a calibrated probe placed in a flow through cell, will be used to measure pH, dissolved oxygen (DO), oxidation-reduction potential (ORP), Electrical Conductivity (EC), and temperature. A turbidity meter (Hach 2100P or equal) shall be used to monitor turbidity of the water during purging. Hach, Inc. field test kits will be used to measure ferrous iron (Fe [II]) manganese, and hydrogen sulfide. During purging, at least pH, conductivity, turbidity, and DO should stabilize such that three successive readings should be within ± 0.1 for pH, ± 3% for conductivity, and ± 10% for turbidity and DO. During the purging, a minimum of one tubing volume (including the volume of water in the pump and flow cell) must be purged prior to recording the water-quality indicator parameters. Following field analyses, groundwater samples will be collected for laboratory analysis as shown on Table 1. All other procedures, including quality assurance (QA) and data validation, will be as described in the 2007 Groundwater Monitoring Work Plan (CDM, February 5, 2007).

Table 1
April 2007 Baseline Monitoring Sampling Plan
Former Building 1/36 Site-Specific WDR
Boeing Reality Corporation, Former C-6 Facility
Los Angeles, California

Well ID	Water Bearing Unit	Well Screen	Sampling Order[1]	Field Parameters and Analytes					
				Water Level Gauging	VOCs (8260B)[2]	Field Parameters and measurements[3]	Total Organic Carbon and Volatile Fatty Acids[4]	Dissolved Gases and Minerals[5]	qPCR and RDase genes (tceA, vcrA, and bvcA)[6]
Amendment Wells									
AW0055UB	B-Sand	2-Inch PVC, No. 20 Slot	---	x	x	x	x	x	x
AW0064UB	B-Sand	2-Inch PVC, No. 20 Slot	---	x	x	x	x	x	x
AW0065UB	B-Sand	2-Inch PVC, No. 20 Slot	---	x	x	x	x	x	x
AW0066UB	B-Sand	2-Inch PVC, No. 20 Slot	---	x	x	x	x	x	x
AW0067UB	B-Sand	2-Inch PVC, No. 20 Slot	---	x	x	x	x	x	x
AW0074UB	B-Sand	2-Inch PVC, No. 20 Slot	---	x	x	x	x	x	x
AW0075UB	B-Sand	2-Inch PVC, No. 20 Slot	---	x	x	x	x	x	x
AW0076UB	B-Sand	2-Inch PVC, No. 20 Slot	---	x	x	x	x	x	x
AW0077UB	B-Sand	2-Inch PVC, No. 20 Slot	---	x	x	x	x	x	x
AW0073C	C-Sand	2-Inch PVC, No. 20 Slot	---	x	x	x	x	x	x
Monitoring Wells									
TMW_07	B-Sand	4-Inch PVC, No. 10 Slot	---	x	x	x	x	x	x
WCC_6S	B-Sand	4-Inch PVC, No. 10 Slot	---	x	x	x	x	x	x
WCC_12S	B-Sand	4-Inch PVC, No. 10 Slot	---	x	x	x	x	x	x
EWB001	B-Sand	6-Inch PVC, No. 20 Slot	---	x	x	x	x	x	x
Quality Control Samples[7]									
Duplicates (1 per 20 wells)					x (1)				
Rinseate Blanks (1 per day)					x (2)				
Trip Blanks (1 per day)					x (2)				

Notes:

[1] Since this is the first sampling event for most of these wells, there is no required sampling order. Sampling order for subsequent events will be based on the results of the most recent sampling data available at the time of sampling

[2] VOCs = Volatile organic compounds by EPA Method 8260B

[3] Field Parameters = pH, Dissolved oxygen (DO), oxidation-reduction potential (ORP), turbidity, Electrical Conductivity (EC), temperature, ferrous iron, manganese, and hydrogen sulfide

[4] Total organic carbon (TOC) by EPA Method 9060 Modified or 415.1 or equal

[4] Volatile Fatty Acids by Ion Chromatography (IC) by Microseeps

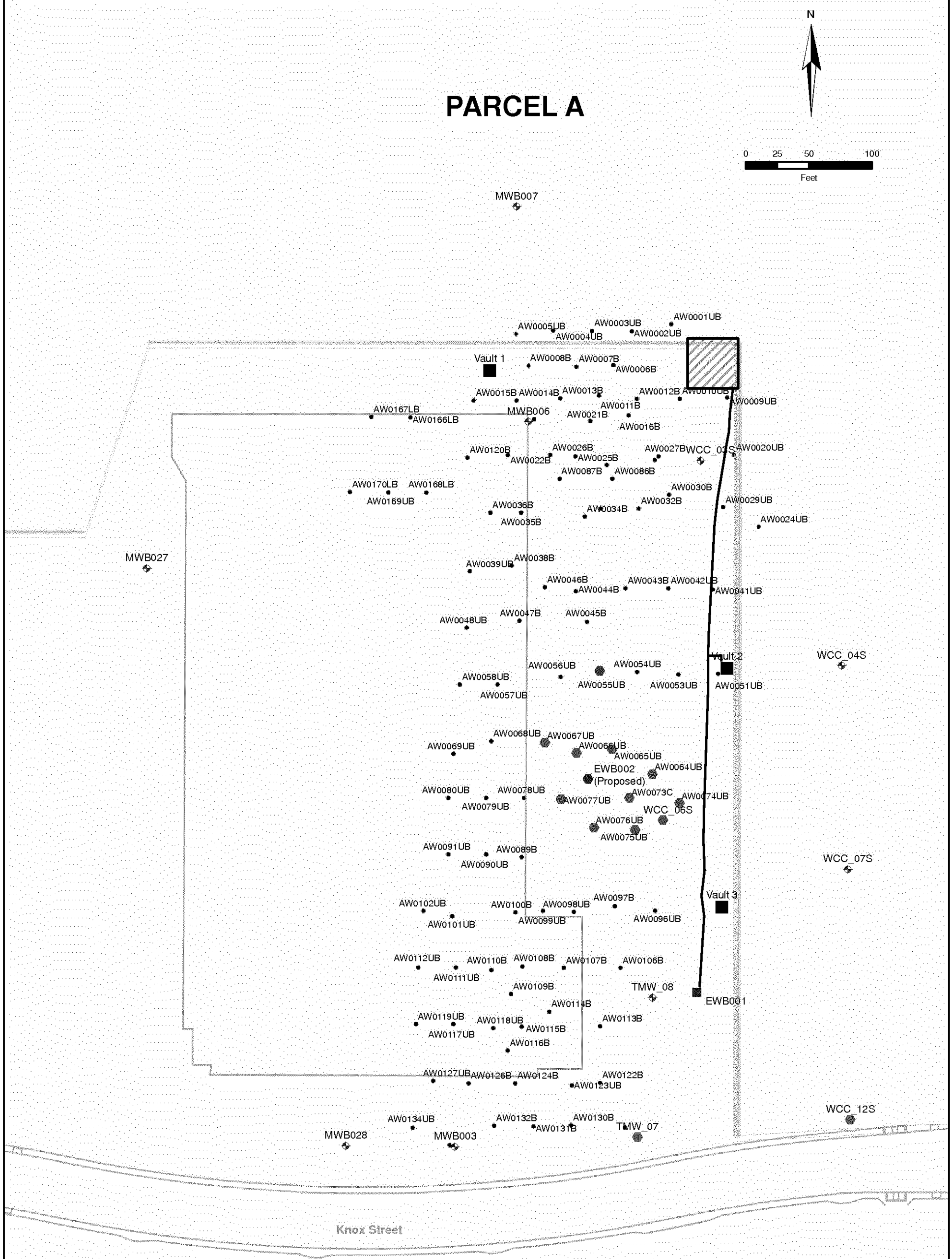
[5] Dissolved gases (carbon dioxide, nitrogen, ethane, ethane and methane) by RSK 175 and SM 4500-C (carbon dioxide)

[5] Minerals (sulfate, nitrite, nitrate, ammonia nitrogen, orthophosphate, and chloride) by EPA Method 300 Series or equal, Total alkalinity by EPA Method 310 or equal

[6] qPCR =Quantitative Polymerase Chain Reaction test for Dehalococcoides bacteria and functional gene analyses for the three reductase (RDase) genes - tceA (TCE RDase), vcrA, and bvcA (BAV1 RDase)

[7] Quality control sample number based on estimated number of sampling days.

NOTE:
1. Existing well vaults and conveyance piping, as shown, will be used to transport extracted groundwater to the treatment compound and amended water back to select amendment wells.
2. A limited subset of the existing amendment and monitoring wells will be used for the pilot study.



March 5, 2007

Legend

- Property Boundary
- Parcel Boundary
- Existing Compound
- Existing Vault
- B-Sand Extraction Well
- B-Sand Monitoring Well
- B-Sand Amendment Well
- Existing Spare Electrical Conduit and Water Piping
- Group A Amendment Well (Upper B-Sand)
- Proposed Group B Monitoring Well (Upper B-Sand)
- Group B Monitoring Well ((5) Upper B-Sand and (1) C-Sand)
- Group C Downgradient Well (B-Sand)
- Group D Upgradient Well (Upper B-Sand)

CDM

Boeing Realty Corporation
Former C-6 Facility
Proposed Biorecirculation Pilot Study Well Layout

Figure 4

LABORATORY TASK ORDER (LTO) FORM

INSTRUCTIONS: To be completed by Environmental Contractor & Emailed to Laboratory Project Manager, CH2M HILL (bsingedma@ch2m.com) & the Data Validator at Least 48 hrs prior to need for sample containers. Project Analytical Laboratory will confirm receipt via E-Mail.

Event Name: *Baseline Monitoring (Round 1) Groundwater Monitoring Sampling Event April 2007, Former C-6 Facility, Torrance* **Start:** *4/24/2007* **End:** *4/26/2007*

LTO DATE: 16-Apr-07 **LTO NUMBER:** LTO-C6SWG041607

Consultant Name:	Tait Environmental Mgmt.	**Contract Laboratory:**	Test America
Address:	701 North Parkcenter Drive	Address:	17461 Derian Ave., Suite 100
	Santa Ana, CA 92705		Irvine, California 92614-5817
Contact Name:	Carmen Lo	**Lab Contact Name:**	Nick Marz
Phone Number:	(714) 560-8614	Phone Number:	(949) 261-1022
Fax Number:	(714) 560-8235	Fax Number:	(949) 260-3297
E-mail Address:	clo@tait.com	E-mail Address:	nmarz@testamericainc.com

SAMPLE CONTAINER ORDER FORM

Date Required: 04/24/07 ~~04/24/2007~~ 04/26/2007 4:30:00

Date Sample Pickup: PM (estimated)

Ship Containers To:

Project Site _____ *(enter "X")*

Consultant Office X *(enter "X")*

Other Location (specify in comments) _____ *(enter "X")*

Container Information:

Trip Blank (VOA only) Yes *(Yes/No)*
Temp Blank (VOA Only) Yes *(Yes/No)*
DI Water Required? Yes *(Yes/No)*
MS/MSD Extra Bottles? No *(Yes/No)*

Sample Matrix:

Soil _____ *(select all applicable)*
Water X *(select all applicable)*
Vapor _____ *(select all applicable)*

Est. Total # of Samples: 16 Est. Total # of EDDs 4

Requested Analyses: (Specify # of Samples)

	Water	Soil	Vapor
EPA 8015M (GRO)			
EPA 8015M (DRO)			
EPA 8015M (JET FUEL)			
EPA 8015M (CC)			
EPA 8260B (VOC)	32		
	18		
CO2 (SM4500-C)	18		
Sulfate, nitrite, nitrate, ammonia nitrogen, orthophosphate, and chloride (300)	18		
TOC (415.1)	18		
qPCR (Dehalococcoides Bacteria)	18		
VFAs(by IC by Microseeps)	18		
Total Alkalinity (310)	18		
Rdase Gnes (tceA, vcrA, and bvcA)	18		
EPA 625/8270C (SVOC)			
EPA 8310 (PAH)			
EPA 8082 (PCB)			
EPA TO-15 VOCs (Scan)			
EPA TO-15 VOCs (SIM)			
CCR Title 22 Metals			
Total Lead			
Wet Chemistry (pH, etc.)			
General Minerals			
Fish Bioassay			
EPA TO-14 (VOCs)			

LABORATORY REPORTING REQUIREMENTS

Project TAT:

Normal: X (10 Business days)
RUSH: _____ (Specify- 24 / 48 / 72HRS)
Other : _____ (Specify # of Days)
Report Due Date: _____

Laboratory Results/Reports Deliverables:

Specify Fax/E-mail Contact Name, #, E-mail Address: clo@tait.com

Draft Results Fax?: No (Yes/No)
Draft Results E-mail?: Yes (Yes/No)

Send Original Reports To:
Project Site _____ *(enter "X")*
Consultant Office X *(enter "X")*
Other Location (specify in comments) _____ *(enter "X")*
# of Copies Reports Req.: _____

Special Reporting Requirements:

Contingent Analysis? _____ *(Yes/No)*
TIC (VOC) Required? _____ *(Yes/No)*
TIC (SVOC) Required? _____ *(Yes/No)*
Data Validation Pckge.: _____ (Boeing Tier I, II or III)

SPECIAL INSTRUCTIONS/LTO NOTES (PLEASE READ)

PLEASE INCLUDE COC & AND LABLES, TRIP BLANKS (1 PER DAY), TEMPERATURE BLANKS (1 PER DAY), EQUIPMENT BLANKS (1 PER DAY), DECON WATER BLANKS (1 PER DAY), FIELD BLANKS (1 PER DAY), DUPLICATE (1 SET), COOLERS, AND DEWATER DELIVERED DAILY IN TWO GALLON CONTAINERS. PLEASE ADD A BOX OF NON PRESERVED VOAs FOR BACKUP/BUBBLE SITUATIONS

CONFIRMATION OF TRANSMITTAL & RECEIPT

LTO Sent By:
Name: Carmen Lo
Date: 04/16/07

LTO Received By:
Name: _____
Date: _____

LTO-C6T041607
6/14/2007

LABORATORY TASK ORDER (LTO) FORM (PAGE 2)

ADDITIONAL REQUIRED ANALYSES

LTO DATE: 16-Apr-07 **LTO NUMBER:** LTO-C6SWG041607

Consultant Name:	Tait Environmental Mgmt.	**Contract Laboratory:**	Test America
Address:	701 North Parkcenter Drive	Address:	17461 Derian Ave., Suite 100
	Santa Ana, CA 92705		Irvine, California 92614-5817
Contact Name:	Carmen Lo	**Lab Contact Name:**	Nick Marz
Phone Number:	(714) 560-8614	Phone Number:	(949) 261-1022
Fax Number:	(714) 560-8235	Fax Number:	(949) 260-3297
E-mail Address:	clo@tait.com	E-mail Address:	nmarz@testamericainc.com

SAMPLE CONTAINER ORDER FORM (CONTINUED)

Requested Analyses: **(Specify # of Samples)**

	Water	Soil	Vapor
List Method Name/Number Here			

Boeing Pre-Field Activities Checklist

This pre-field activities checklist has been prepared to facilitate compliance with work plans, protocols, permits, and procedures.

Boeing Project Name: BRC- Former C-6 Facility
Field Activity: April 2007 Baseline Groundwater Monitoring

Date: 4/16/07
Field Work Start Date: 4/24/07

Contact Information:

Consultant/Contractor (Person & phone #)

Project Manager	Mehmet Pehlivan 714-560-8613
Project Engineer/Scientist	Clara Boeru 714-560-8658
Chief Field Engineer/Technician	Lester Widner 714-657-6386
Health & Safety Officer:	Tom Dixon 714-560-8684
Sampling Technician	Jorge Armendariz 714-719-6897
Other (Field Testing/Data Entry)	Carmen Lo 714-412-9922
Other (Sampling Tech)	Stan Ruszkiewicz 714-719-6893

Boeing

Project Managers	Robert Scott 562-497-6176 Joe Weidmann (H&A) 805-451-2320 (cell)
Technical Specialist	Ravi Subramanian (CDM) 949-752-5452 Beth Breitenbach (H&A) 619-285-7109
Facility Contact: South of Knox	Daniel Hess and Tony Mok (Sunrider) to be notified by H&A Chi Chi Tsai 310-222-9170 (locked areas) Bob Williams –Sunrider onsite contractor 909-200-5690
North of Knox	Jun Heramia (CTSI Logistics) to be notified by H&A Lib Madamba 310-381-9866
South of Francisco	Robert Hsu (323) 321-2307 or (310) 323-8840
Montrose Wells	Robert Neuman (Earth Tech) (562) 951-2348 Or (562) 577-6044 (Cell)- Brian Dean (Earth Tech) (562) 951-2212 or 310-251-0579(cell) Paul Sunberg (Montrose) (209) 474-3617
Permits/H&S Contact	Dennis Carlson (818) 535-7438
Waste Disposal Specialist	Scott Lattimore (562) 593-7156
Legal:	
Other:	

Subcontractors (as applicable)

No. 1	TestAmerica Services (949) 261-1022 (Lab Analysis)
No. 2	KM Industrial, Inc. (562) 983- 5191 (Waste Transport/Disposal) DemennoKerdoon: (310)537-7100 (TSDF)
No. 3	Laboratory Data Consultants (760) 634- 0437 (Data Validation)
No. 4	_____

Work Plans

- ❑ Work Plan prepared for work? Yes
- ❑ Name of Work Plan & Date. April 2007 Baseline Groundwater Monitoring Work Plan
- ❑ Was Work Plan Submitted to a regulatory Agency for approval? Yes
- ❑ Was approval received? Pending Date?
- ❑ Is Work Plan latest version? Yes
- ❑ Type of Work to be performed? Groundwater sampling and monitoring per the Work Plan, the WDR permit requirements and Sampling and Analysis Plan

Technical/Site-Specific

- ❑ Have work locations been marked? Yes
- ❑ Are there any obstacles to performing work? No
- ❑ If yes-method to clear obstacles?

Health & Safety

- ❑ Health & Safety Plan Submitted to Agency? Yes, during previous events
- ❑ Health & Safety Plan reviewed by Field Team? Yes
- ❑ Proper PPE on Site? Team carries their own
- ❑ Extra PPE for Visitors? NA
- ❑ Have OSHA Certificates and currency been confirmed for workers? Yes
- ❑ Any Excavations? No
  If yes, then have geotechnical calculations/considerations been completed? By whom?_____Third Party & Registered?_____
- ❑ Health & Safety Officer __Tom Dixon_____
- ❑ Perform subcontractor equipment safety audit prior to work start (guards, safety switches, General equipment condition)
- ❑ Pre-Field Tailgate Meetings:
  Worker Safety--onsite
  Equipment Safety--onsite
- ❑ Vehicular Safety--onsite
- ❑ Daily Tailgate/Safety Briefings--onsite

- ❑ Safety Zones established and how maintained? Yes, Team uses cones to delineate the work area

Utilities (NA)

- ❑ Have utilities been researched?
- ❑ Are utility plans available?
- ❑ Have utility plans been reviewed for work conflicts?
- ❑ If yes, what plans _____
- ❑ Has site been field-checked for utilities?
- ❑ Has DigSafe/DigAlert been notified? Confirmation #: _____NA_____
- ❑ Has independent utility locator service been completed?
- ❑ Any overhead utility present that may interfere with work?
- ❑ If yes, can work be moved?
- ❑ Will hand-augering be conducted? To what depth? _____
- ❑ Is any utility lock-out/tag-out needed?
- ❑ Other

Legal

- ❑ Confirm with Boeing Project Manager that legal issues are in order to perform field work. No legal issue to prevent the field work
- ❑ Do Proposition 65 notifications need to be posted at the site? No

Access Agreements

- ❑ Confirm with Boeing Project Manager if access agreements are needed. Done
- ❑ Are special pre-work notifications required by the access agreements? Yes, Done by Haley and Aldrich and field team to notify tenant before entering the site/property
- ❑ Who is the on-Site contact/tele # for work to be performed? Lester Widner (714) 657-6386
- ❑ Are copies of access agreements needed on site? No
- ❑ Do special work conditions need to be maintained per the access agreement? No
- ❑ Are there special work hours per the access agreement? during normal business hours
- ❑ Are traffic plans or traffic control necessary for work? ____No Plans, Use cones and caution tapes around the immediate work area_____
- ❑ Other

Notifications

- ❑ Has Boeing Project Manager been notified of the work start date/time? Yes
- ❑ Has Boeing Technical Specialist been notified of the work start date/time? Yes
- ❑ Has Boeing Permit Specialist been notified of the work start date/time? Yes
- ❑ Has Boeing Waste Disposal Specialist been notified of the work start date/time? Yes

- ❑ Is Regulatory Agency (ies) notification Required? Yes one week prior to sampling
  - ❑ Lead Agency CRWQCB
  - ❑ Support Agency _____
  - ❑ Local Agency _____
  - ❑ Other: _____
- ❑ If yes-what advance notice is required?
- ❑ Have they been notified? When_____
- ❑ Has laboratory been notified of incoming samples?

Permits/Regulatory Agencies/Licenses

- ❑ Lead Regulatory Agency/Contact CRWQCB-LA – Ana Townsend
- ❑ Additional Regulatory Agencies:
  - ❑ Air Quality Agency
  - ❑ County Health Department
  - ❑ City Health Department
  - ❑ City Building Department
- ❑ Are permits required for work? Yes
  - ❑ Drilling Permit
  - ❑ WDR/Waste Discharge Permit Permit Order No. R4-2002-0030. February 4, 2003
  - ❑ Excavation Permit
  - ❑ Rule 1166 Mitigation Plan/Permit
  - ❑ Grading Permit
  - ❑ City Business License
  - ❑ Other
- ❑ **Has Boeing Permit Specialist reviewed and approved the permits for performing the work? (NA)**
- ❑ Are pre-work notifications required for permits? No
- ❑ If yes, which permits and how much advance notice _____
- ❑ Are there any conditions in the permit that could stop work?
- ❑ If yes, what are the conditions? _____
- ❑ Do mitigation measures exist if these conditions occur?_____
- ❑ What licenses are required to do work?_____
- ❑ Have contractor licenses been verified _____

Waste Management

- ❑ Type(s) of waste to be generated. Purged Groundwater
- ❑ Anticipated Volume to be generated. 2,800 gallons
- ❑ How will each type of waste be stored?

Water Purged into drums, from which water will be transferred and stored in a tank within the SVE compound by the end of each sampling day.
Soil
PPE
Other

- ❑ Has Boeing Waste Specialist been notified? Yes Who? Scott Lattimore, and Dennis Carlson
- ❑ Have proper containers been coordinated through Boeing Waste Specialist? Yes
- ❑ If not-why? _____
- ❑ Have proper waste container labels and labeling procedures been obtained from the Boeing Waste Specialist? Field team to provide labels in accordance with the standard waste handling protocol applicable to the site.
- ❑ How will waste be profiled? Non-haz pending lab data
- ❑ Any special waste handling/disposal needs? Yes (All purge water will be stored in onsite storage tank in the SVE compound. All empty drums need to be stored in SVE compound during sampling and moved offsite after sampling). Waste water will be disposed of by KM industrial using previously established waste profile.

Portal/EDMS

- ❑ Have Sample/Object Numbers/Names been obtained from CH2Mhill? N/A Sample ID in accordance with DMP based on Object IDs from the portal. Notified CH2Mhill for sampling Schedule
- ❑ Other

Schedule

- ❑ Scheduled start date of field work 04/24/07
- ❑ Expected duration of field work 2-3 working days
- ❑ Contingency plan if work goes longer Field team is available to complete

Financial

- ❑ Has Boeing approved work order for work? Yes, under a general contract
- ❑ Is there a potential for scope/cost changes? No
- ❑ If yes-is change-order process established with Boeing Project Manager?

Person Filling out Checklist: **Carmen Lo / Mehmet Pehlivan**

Tait Environmental Management, Inc.

DAILY FIELD REPORT

Project Name: BOEING C-6	**Project #:** EM-2727	**Date:** 5/7/07
Personnel: LW, JA	**Sub Contractors:** NONE	

Task: GW GUAGING IDENTIFING WELLS

Time Arrived at Site: 6:30	**Time Left Site:**	**Total Hours at Site:**
Odometer (Start):	**Odometer (End):**	**Total Miles:**

Equipment List:

- ☒ Solinst Water Level Meter Serial #: #44249
- ☐ Solinst Water/Product Level Interface Meter Serial #: _____
- ☐ Horiba U-22 Water Quality Meter Serial #: _____
- ☐ PID/FID Type: _____ Serial #: _____
- ☐ Submbersible Pump Type: _____ Serial #: _____
- ☐ Generator Type: _____ Serial #: _____
- ☐ Company Truck License #: _____
- ☐ Other(s): _____

Desription of Work Performed: (Summarize all field activities in a chronological sequence. Include tailgate health and safety meeting, personnel/visitors at site, calibration times and methods.)

5:30 P/U ICE AND GAS
6:30 ARRIVED ON SITE TAILGATE MEETING.
GEORGE LOADS 3 BUCKET WASH ON TRUCK. TO START
GUAGING WELLS.

Client Signature (if applicable): _____ **Date:** _____

Page ___ of ___

Tait Environmental Management, Inc.

Project Name: BOENG C-6	Project #: EM-2727	Date: 5/7/07

HE STARTED GUAGING. I WENT to HOME DEPOT FOR MATERIAL.

745 - BACK FROM HOME DEPOT GAVE MATERIAL TO GEORGE - WE MARKED WELLS. GAVE GEORGE A LIST WHAT TO DO TODAY.

9:00 I LEFT C-6 to WAREHOUSE

Tait Environmental Management, Inc.

Engineers • Scientists • Consultants

DAILY FIELD REPORT

Project Name: BASELINE MAY 2007	**Project #:** EM 2727-01	**Date:** 5/8/07
Personnel: LW, JA, CARMON	**Sub Contractors:** NONE	

Task: GROUNDWATER PURGING AND SAMPLING

Time Arrived at Site: 6:00	**Time Left Site:**	**Total Hours at Site:**
Odometer (Start):	**Odometer (End):**	**Total Miles:**

Equipment List:

- [x] Solinst Water Level Meter Serial #: # 44249
- [ ] Solinst Water/Product Level Interface Meter Serial #: _____
- [x] Horiba U-22 Water Quality Meter Serial #: 01-022
- [ ] PID/FID Type: _____ Serial #: _____
- [ ] Submbersible Pump Type: _____ Serial #: _____
- [x] ~~Generator~~ INVERTOR Type: N/A Serial #: #01
- [x] Company Truck License #: _____
- [ ] Other(s): _____

Desription of Work Performed: (Summarize all field activities in a chronological sequence. Include tailgate health and safety meeting, personnel/visitors at site, calibration times and methods.)

5:30 - P/U ICE AND WATER
6:00 ARRIVED ON SITE. ORGANIZED PAPERWORK.
6:45 DENNIS ARRIVED. WENT OVER SAMPLING TECHNIQUES
WE NEED LOW FLOW PUMPS. (MONSOON)

Client Signature (if applicable): _____ **Date:** _____

Page ___ of ___

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Project Name: BASELINE MAY 2007	Project #: EM 2727-01	Date: 5/8/07

- CALLED CLARA. I WILL P/U PUMPS AND GO TO OFFICE AND CALCULATED AMOUNT OF WATER WE NEED TO PURGE. WE HAD TAILGATE MEETING. EVERYTHING O.K.

8:15 HELP GEORGE SET UP ON WCC-6S. HIS OTHER WELLS WILL BE EWB001 & TMW07.

8:45 CARMEN ARRIVED. WE WENT OVER. COC'S GAVE HER A LIST OF WELLS. WE MADE UP TRIP BLANKS AND OTHER BLANKS

HELPED GEORGE WITH WCC-6S WHEN FINISHED HE TOOK SAMPLES. I DID BLANKS.

1105 LEFT SITE to BISCO & OFFICE.

1155 DROPPED OFF GRUNDFOS PUMP AT GED TECHNICAL

1230 ARRIVED AT OFFICE. CLARA AND I WENT OVER PROCOTOCOL FOR LOW FLOW SAMPLING. MADE UP PAPERWORK AND NOTEBOOK. FOR LOW FLOW SAMPLING. CALLED BISCO TO ~~RESERVE~~ RESERVE MONSOON PUMPS

1600 LEFT OFFICE TO P/U EQUIPMENT

1615 ARRIVED AT C-6 DROPPED OFF EQUIPMENT

1730 LEFT SITE GO HOME

1800 - CHARGED 12.5 HRS

Tait Environmental Management, Inc.

DAILY FIELD REPORT

Project Name: C-6 BASELINE MAY 2007	**Project #:** 6M-2727-01	**Date:** 5/9/07
Personnel: WM, JA, BRNEN	**Sub Contractors:** NO	

Task: PURGING AND SAMPLING GW

Time Arrived at Site: 615	**Time Left Site:**	**Total Hours at Site:**
Odometer (Start):	**Odometer (End):**	**Total Miles:**

Equipment List:

- [x] Solinst Water Level Meter Serial #: _____
- [ ] Solinst Water/Product Level Interface Meter Serial #: _____
- [x] Horiba U-22 Water Quality Meter Serial #: U22-#02
- [ ] PID/FID Type: _____ Serial #: _____
- [ ] Submbersible Pump Type: _____ Serial #: _____
- [ ] Generator Type: _____ Serial #: _____
- [x] Company Truck License #: _____
- [ ] Other(s): _____

Desription of Work Performed: (Summarize all field activities in a chronological sequence. Include tailgate health and safety meeting, personnel/visitors at site, calibration times and methods.)

5:30 P/U ICE AND GAS
6:15 ARRIVED ON SITE. WENT OVER LOW-FLOW WITH GEORGE TAILGATE MEETING. FILLED OUT PAPERWORK LOADED MY TRUCK

Client Signature (if applicable): _____ **Date:** _____

Page ___ of ___

Project Name: C-6 BASELINE MAY 2007	Project #: GM-2727-01	Date: 5/9/07

7:20 WAITING FOR LAB. CALIBRATED EQUIPMENT
800 CARMEN CALLED. STILL WAITING FOR LAB.
8:30 CARMEN CALLED BACK. TOLD US TO STOP PURGING WELL. WAIT FOR TEST AMERICA TO DELIVER BOTTLES
900 I DECIDED GEORGE WILL PURGED WCC-125. AND SAMPLE. I WILL SAMPLE LATER WITH BAILER.
910 I WENT TO GEO TECH TO P/U BAILERS, ~~AND~~ TEST AMERICA AND OFFICE P/U PAPERWORK.
1030 ARRIVED at TEST AMERICA WAITED FOR BOTTLES
1110 BOTTLES ARRIVED. ON TO C-6 - HOME DEPOT P/U MATERIAL..
1245 ARRIVED at SITE GEORGE STARTED AW0075RB. CARMEN ORGANIZED BOTTLES. I HELP GEORGE WITH WELL # 75. GITTLE TRAINING
1445 SAMPLED WELLS FROM YESTERDAY.
1600 MADE UP WATER BLANK. ICE DOWN SAMPLES
1635 CLEANED UP. FINISHED PAPERWORK. 1700: LAB ARRIVED
16 1730 LEFT SITE - 1800 - ARRIVED HOME.

Tait Environmental Management, Inc.

DAILY FIELD REPORT

Project Name: C6 BASELINE MAY 2007	**Project #:** EMA-2727-01	**Date:** 5/10/07
Personnel: LW, JA, KARMEN	**Sub Contractors:** NONE	

Task: GW SAMPLING & PURGING

Time Arrived at Site: 6:30	**Time Left Site:**	**Total Hours at Site:**
Odometer (Start):	**Odometer (End):**	**Total Miles:**

Equipment List:

- [x] Solinst Water Level Meter Serial #: Ø NRA
- [ ] Solinst Water/Product Level Interface Meter Serial #: _____
- [x] Horiba U-22 Water Quality Meter Serial #: #2
- [ ] PID/FID Type: _____ Serial #: _____
- [ ] Submbersible Pump Type: _____ Serial #: _____
- [ ] Generator Type: _____ Serial #: _____
- [x] Company Truck License #: _____
- [ ] Other(s): _____

Desription of Work Performed: (Summarize all field activities in a chronological sequence. Include tailgate health and safety meeting, personnel/visitors at site, calibration times and methods.)

5:30 - P/U ICE.
6:15 ARRIVED ON SITE. GEORGE GETTING READY FOR SAMPLING, TAILGATE MEETING..
630 CALIBRATED EQUIPMENT

Client Signature (if applicable): _____ **Date:** _____

Page ___ of ___

Tait Environmental Management, Inc.

Project Name: C-6 BASELINE MAY 2007	Project #: EM-2727-01	Date: 5/10/07

7:00 LOADING UP TRUCK W/ EQUIPMENT. GEORGE HAVING TROUBLE WITH PUMP HELP HIM.

7:30 SET-UP ON 65. STARTED PURGING AT 8:00

8:24 FINISHED PURGING. 830 & 840 TOOK SAMPLES & DUPS CLEANED UP.

850 GEORGE'S PUMP NOT WORKING. GEORGE TOOK MY PUMP.

910 I REPLACE MOTOR IN OTHER PUMP. TESTED PUMP O.K.

1000. SET-UP ON 55.

1030 STARTED PURGING.

1051 FINISHED PURGING 11:00 SAMPLED WELL.

1120 CLEANED UP OFF TO COMPOUND.

1130 GEORGE HAVING TROUBLE WITH PUMP AGAIN. HELPED AGAIN.

1155 PUMP WORKING.

1200 MAKE UP WATER BLANK

1230 WORKED ON PAPER WORK.

1300 HELPED GEORGE WITH LAST WELL.

1345 SAMPLED WELL. CLEANED UP.

BOE-C6-0053928

Tait Environmental Management, Inc.

Engineering • Environmental • Compliance

Project Name: C6 BASELINE MAY 2007	Project #: EM-2727-01	Date: 5/11/07

10:00 LEFT TO TEST AMERICA TO DROPPED EXTRA EQUIPMENT

11:30 ARRIVED AT OFFICE. FINISHED UP PAPERWORK

GAVE EVERYTHING TO CLARA.

1400 FINISHED. 4 HRS

Taft Environmental Management, Inc.

DAILY FIELD REPORT

Project Name:	Baseline C-6 Torrance	**Project #:**	EM2727	**Date:**	05/08/07
Personnel:	CL.	**Sub Contractors:**	—		

Task: Conducting GW&.

Time Arrived at Site:	7:30.	**Time Left Site:**	4:30.	**Total Hours at Site:**	9—
Odometer (Start):		**Odometer (End):**		**Total Miles:**	

Equipment List:

- ☐ Solinst Water Level Meter Serial #: _____
- ☐ Solinst Water/Product Level Interface Meter Serial #: _____
- ☐ Horiba U-22 Water Quality Meter Serial #: _____
- ☐ PID/FID Type: _____ Serial #: _____
- ☐ Submbersible Pump Type: _____ Serial #: _____
- ☐ Generator Type: _____ Serial #: _____
- ☐ Company Truck License #: _____
- ☒ Other(s): Hach DR1890

Desription of Work Performed: (Summarize all field activities in a chronological sequence. Include tailgate health and safety meeting, personnel/visitors at site, calibration times and methods.)

7:00 Stopped by walmart get ice & water

7:30 prepared Labels & Bottles for Sampling.

Client Signature (if applicable): _____ **Date:** _____

Page ___ of ___

Tait Environmental Management, Inc.

Project Name: Baseline C-6 Torrance	Project #: EM2727-01	Date: 05/08/07

Conducting Ferrous Iron Test
Ele. Co°C.
Talked to Nick M (TA) for
qPCR & RDase Genes Samples.
4:30 Left site & delivered
samples to TA.

Tait Environmental Management, Inc.

DAILY FIELD REPORT

Project Name: Baseline C-6 Torrance		**Project #:** TM2727	**Date:** 05/09/07
Personnel: C6	**Sub Contractors:**		

Task: Conducting GWS.

Time Arrived at Site: 7:30	**Time Left Site:** 5:00	**Total Hours at Site:** ~9.5
Odometer (Start):	**Odometer (End):**	**Total Miles:**

Equipment List:

- ☐ Solinst Water Level Meter Serial #: _____
- ☐ Solinst Water/Product Level Interface Meter Serial #: _____
- ☐ Horiba U-22 Water Quality Meter Serial #: _____
- ☐ PID/FID Type: _____ Serial #: _____
- ☐ Submbersible Pump Type: _____ Serial #: _____
- ☐ Generator Type: _____ Serial #: _____
- ☐ Company Truck License #: _____
- ☒ Other(s): Hach DR 1890

Desription of Work Performed: (Summarize all field activities in a chronological sequence. Include tailgate health and safety meeting, personnel/visitors at site, calibration times and methods.)

7:00 Get ice
talked to Nick M. about the containers from North Wind

Client Signature (if applicable): _____ **Date:** _____

Page ___ of ___

Tait Environmental Management, Inc.

Project Name: Baseline C-6 Torrance	Project #: TM2727	Date: 05/09/07

7:30 talked to JA/CW/CB about the Containers.

8:00 Labels & Contains. File. COC. on site Testing.

5:00 Left site

Page ___ of ___

Tait Environmental Management, Inc.

DAILY FIELD REPORT

Project Name:	C-6 Baseline & Torrance 2006	**Project #:** 342727-0	**Date:** 05/10/07
Personnel:	CL	**Sub Contractors:**	–

Task: Conducting groundwater sampling event.

Time Arrived at Site: 7:30	**Time Left Site:** 15:00	**Total Hours at Site:** ~ 8.5
Odometer (Start):	**Odometer (End):**	**Total Miles:**

Equipment List:

- ☐ Solinst Water Level Meter Serial #: _____
- ☐ Solinst Water/Product Level Interface Meter Serial #: _____
- ☐ Horiba U-22 Water Quality Meter Serial #: _____
- ☐ PID/FID Type: _____ Serial #: _____
- ☐ Submbersible Pump Type: _____ Serial #: _____
- ☐ Generator Type: _____ Serial #: _____
- ☐ Company Truck License #: _____
- ☒ Other(s): Hach DR1890

Desription of Work Performed: (Summarize all field activities in a chronological sequence. Include tailgate health and safety meeting, personnel/visitors at site, calibration times and methods.)

7:30 Get ice
8:00 Prepared containers
file. COC
Ferrous Iron Test

Client Signature (if applicable): _____ **Date:** _____

Page ___ of ___

Project Name:	C-6 Baseline Torrance, 2007	Project #:	EM2727-0	Date:	03/10/07

Cleaned up compound
talked to Clara B. about
the GWS Event & Data
Validation Reports for C-6
from Dec 2006 - March 2007.
Talked to Nick M (7A)
to cancel Pick up today
will drop off to the lab
15:00 dropped off samples to
the lab

Tait Environmental Management, Inc.

DAILY FIELD REPORT

Project Name: C-6 TORRANCE, BASELINE	**Project #:** 2727-01	**Date:** 5-8-07
Personnel: J. ARMENDARIZ	**Sub Contractors:**	

Task: GROUND WATER SAMPLING

Time Arrived at Site:	**Time Left Site:**	**Total Hours at Site:**
Odometer (Start):	**Odometer (End):**	**Total Miles:**

Equipment List:

- [x] Solinst Water Level Meter Serial #: 44249
- [ ] Solinst Water/Product Level Interface Meter Serial #: _____
- [x] Horiba U-22 Water Quality Meter Serial #: 01
- [ ] PID/FID Type: _____ Serial #: _____
- [x] Submbersible Pump Type: 2" GRUNDFOS Serial #: 02
- [ ] Generator Type: _____ Serial #: _____
- [ ] Company Truck License #: 6P41975
- [ ] Other(s): _____

Desription of Work Performed: (Summarize all field activities in a chronological sequence. Include tailgate health and safety meeting, personnel/visitors at site, calibration times and methods.)

Client Signature (if applicable): _____ **Date:** _____

Tait Environmental Management, Inc.

Project Name: C-6 TOLERANCE, BASELINE	Project #: 2727-01	Date: 5-8-07

0600 ARRIVED ON SITE, LOADED EQUIPMENT

0630 LESTER, DENNIS, AND MYSELF LISTENED IN AT SAFETY KICK OFF MEETING.

0730 SET-UP & DROPPED PUMP IN WELL

0800 PULLED OUT & SWAPED PUMPS FROM GEOTECHS TO OURS (TAIT SP 02).

0832 BEGAN PURGING WELL WCC-06S (50 GLS)

1043 SAMPLED WELL

1130 ARRIVED AT WELL EW8001

1140 HAD TO FISH TUBING OUT.

1206 BEGAN PURGING WELL

1344 SAMPLED WELL. (129 GLS)

1440 SET UP AT WELL TMW-07

1512 BEGAN PURGING (10.5 GLS)

1526 SAMPLED WELL

1600 ARRIVED AT COMPOUND TO OFF LOAD & CLEAN

1630 LEFT FOR HOME.

BOE-C6-0053937

Tait Environmental Management, Inc.

DAILY FIELD REPORT

Project Name: C-6 TORRANCE BASELINE	**Project #:** 2727-01	**Date:** 5-9-07
Personnel: JORGE ARMENDARIZ	**Sub Contractors:**	

Task: WATER SAMPLING

Time Arrived at Site:	**Time Left Site:**	**Total Hours at Site:**
Odometer (Start):	**Odometer (End):**	**Total Miles:**

Equipment List:

- [x] Solinst Water Level Meter Serial #: 44249
- [ ] Solinst Water/Product Level Interface Meter Serial #: _____
- [x] Horiba U-22 Water Quality Meter Serial #: 01
- [ ] PID/FID Type: _____ Serial #: _____
- [x] Submbersible Pump Type: 2" GRUNDFOS / MONSOON Serial #: 02
- [ ] Generator Type: _____ Serial #: _____
- [x] Company Truck License #: 6P41975
- [ ] Other(s): _____

Desription of Work Performed: (Summarize all field activities in a chronological sequence. Include tailgate health and safety meeting, personnel/visitors at site, calibration times and methods.)

Client Signature (if applicable): _____ **Date:** _____

Page ___ of ___

Tait Environmental Management, Inc.

Project Name: C-6 TARRANTE, BASELINE	Project #: 2727-01	Date: 5-9-07

0600 - ARRIVED ON SITE, LOADED & CALIBRATED EQUIPMENT.
0742 PURGED WELL AW0074UB (8.12 L)
0803 SAMPLED WELL
0845 ARRIVED AT WELL AW0075UB
• SET-UP AT WELL LESTER ARRIVED AND WANTED TO HOLD OFF ON PURGING.
• LESTER WANTS ME TO BREAK DOWN, PICK UP THE EQUIPMENT AND GO TO WELL WCC-12S.
0930 ARRIVED AT WELL WCC-12S
0952 BEGAN PURGING (66 GLS).
1059 SAMPLED WELL
* 1034 DENNIS ARRIVES AND ASKS FOR A STATUS OF WELLS.
• RECEIVED A CALL FROM LESTER TO SET-UP AT AW0075UB
1145 ARRIVED AND SET-UP / WAITING FOR LESTER.
1244 BEGAN PURGING (9 L)
1258 SAMPLE TIME.
1419 BEGAN PURGING AW0076UB (9L)
1432 SAMPLED WELL
1548 BEGAN PURGING WELL AW0064UB (9L)
1601 SAMPLED WELL.

BOE-C6-0053939

Tait Environmental Management, Inc.

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DAILY FIELD REPORT

Project Name: C6 TOHANDE BASELINE	**Project #:** 272201	**Date:** 5-10-07
Personnel: J. ARMENDARIZ	**Sub Contractors:**	

Task: GROUND WATER SAMPLING

Time Arrived at Site:	**Time Left Site:**	**Total Hours at Site:**
Odometer (Start):	**Odometer (End):**	**Total Miles:**

Equipment List:

- [x] Solinst Water Level Meter Serial #: 44249
- [ ] Solinst Water/Product Level Interface Meter Serial #: _____
- [x] Horiba U-22 Water Quality Meter Serial #: 01
- [ ] PID/FID Type: _____ Serial #: _____
- [x] Submbersible Pump Type: MONSOON Serial #: _____
- [ ] Generator Type: _____ Serial #: _____
- [x] Company Truck License #: 6P41975
- [ ] Other(s): _____

Desription of Work Performed: (Summarize all field activities in a chronological sequence. Include tailgate health and safety meeting, personnel/visitors at site, calibration times and methods.)

Client Signature (if applicable): _____ **Date:** _____

Page ___ of ___

Tait Environmental Management, Inc.

J. Almazarez

Project Name: C-6 TORRANCE, BASELINE	Project #: 2727-01	Date: 5-10-01

0600 ARRIVED ON SITE
· LOADED AND CALIBRATED EQUIPMENT
0630 SET-UP AT WELL AW0066UB
0711 BEGAN PURGING (6.L)
0724 SAMPLED WELL.
0830 ARRIVED AT WELL & BEGAN SET UP. AW0067UB
0900 BEGAN PURGING BUT NO WATER CAME UP DUE TOO HIGH TURBIDITY
· BROUGHT PUMP OUT OF WELL & RE-RINSED.
0914 BEGAN PURGING (7.L)
0927 SAMPLED WELL
1100 ARRIVED AT WELL AW0077UB & SET UP EQUIPMENT
· WHEN BEGINNING PURGE NO WATER CAME UP SO I CALLED LESTER. WATER WAS REALLY TURBID & MUCH SILT.
· AFTER TESTING PUMP LESTER SWAPED PUMPS WITH ME.
1150 BEGAN PURGING WELL (7.L)
1203 SAMPLED WELL.
1250 ARRIVED AND SET UP AT WELL AW0073C
1320 BEGAN PURGING (12.L)
1345 SAMPLED WELL
1430 WENT TO COMPOUND TO OFF LOAD EQUIPMENT
1500 LEFT FOR HOME.

Tait Environmental Management, Inc.
Engineering • Environmental • Compliance

DAILY FIELD WORK REPORT
(continued)

PROJECT NAME C-6 BASELINE TOXICITY	PROJECT NUMBER 2727-01
REPORT DATE 5-11-07	PREPARED BY Joe Armendariz

1000 ARRIVED AT COMPOUND
• CLEANED UP, LOADED EQUIPMENT FOR WARE HOUSE & DUMPED TRASH.
1100 LEFT FOR WAREHOUSE
1130 ARRIVED AND BEGAN OFF LOADING.
1148 LEFT FOR OFFICE.
1200 ARRIVED AT OFFICE
1300 LEFT FOR HOME.

Tait Environmental Management, Inc.

Daily Tailgate Health & Safety Meeting
Agreement and Acknowledgement Sheet

Project Name: BOEING C-6	**Project #:** EM-2727-01
Site/Area Location/Well ID: C-6	
Date(s) Work Performed: 5/7/07	**Time:** 6:30
Name Of Person Giving Tailgate **Print Name:** LESTER WISNER **Signature:** Lester Wisner	**Affiliation:** NONE
Site-Specific Health & Safety Meeting Topics: TRAFFIC	

I have reviewed the plan, understand it, and agree to comply with all of the health and safety requirements. I understand that I may be prohibited from working on the project for violating any of the requirements. Visitors will be required to be escorted in the restricted access zone. Visitors must comply with Tait Environmental Management, Inc. escort directions while on site at all times. Non-compliance with escort directions will not be tolerated, and violators will be requested to leave the site immediately.

A physician based on medical examination has approved me to wear a respirator. I have been trained in the appropriate use, care, and storage of respiratory equipment. I have been respirator fit tested; and I have my respirator available for use in the field. I understand that I am to use the equipment supplied to me by my employer. I further understand that this equipment is provided solely for my benefit with the intent to minimize my exposure to potentially hazardous conditions. In the event of such usage, I agree to indemnify and hold harmless Tait Environmental Management, Inc. and all of its employees from and against any and all losses, demands, claims, liabilities, lawsuits, damages, costs, and expenses arising, in any way, from the use of the equipment.

Date	Name	Company Name	Signature
5/7/07	LESTER WISNER	Tait	Lester Wisner
5/7/07	JORGE ARMENDARIZ	TAIT	Jorge Armendariz

Page __ of __

Tait Environmental Management, Inc.
Engineering • Environmental • Compliance

Daily Tailgate Health & Safety Meeting
Agreement and Acknowledgement Sheet

Project Name: C-6 BASELINE MAY 2007	**Project #:** EMA-2727-01
Site/Area Location/Well ID: C-6	
Date(s) Work Performed: 5/9/07	**Time:** 630
Name Of Person Giving Tailgate **Print Name:** LESTER WIDNER **Signature:** Lester Widner	**Affiliation:** T
Site-Specific Health & Safety Meeting Topics: TRAFFIC - SLIPS, TRIPS AND FALLS, HEAT DRINK PONALY OR WATER	

I have reviewed the plan, understand it, and agree to comply with all of the health and safety requirements. I understand that I may be prohibited from working on the project for violating any of the requirements. Visitors will be required to be escorted in the restricted access zone. Visitors must comply with Tait Environmental Management, Inc. escort directions while on site at all times. Non-compliance with escort directions will not be tolerated, and violators will be requested to leave the site immediately.

A physician based on medical examination has approved me to wear a respirator. I have been trained in the appropriate use, care, and storage of respiratory equipment. I have been respirator fit tested; and I have my respirator available for use in the field. I understand that I am to use the equipment supplied to me by my employer. I further understand that this equipment is provided solely for my benefit with the intent to minimize my exposure to potentially hazardous conditions. In the event of such usage, I agree to indemnify and hold harmless Tait Environmental Management, Inc. and all of its employees from and against any and all losses, demands, claims, liabilities, lawsuits, damages, costs, and expenses arising, in any way, from the use of the equipment.

Date	Name	Company Name	Signature
5/9/07	LESTER WIDNER	TAIT	Lester Widner
5/9/07	JORGE ARMENDARIZ	TAIT	Jorge Armendariz
5/9/07	Carmen Lo	TAIT	Carmen Lo

Tait Environmental Management, Inc.
Engineering • Environmental • Compliance

Daily Tailgate Health & Safety Meeting
Agreement and Acknowledgement Sheet

Project Name: C-6 BASELINE MAY 2007	**Project #:** GM. 2727-01
Site/Area Location/Well ID: C-6	
Date(s) Work Performed: 5/10/07	**Time:** 630
Name Of Person Giving Tailgate **Print Name:** Lester Wisner **Signature:**	**Affiliation:** NONE
Site-Specific Health & Safety Meeting Topics: HEAT SLIPS, TRIPS AND FALLS	

I have reviewed the plan, understand it, and agree to comply with all of the health and safety requirements. I understand that I may be prohibited from working on the project for violating any of the requirements. Visitors will be required to be escorted in the restricted access zone. Visitors must comply with Tait Environmental Management, Inc. escort directions while on site at all times. Non-compliance with escort directions will not be tolerated, and violators will be requested to leave the site immediately.

A physician based on medical examination has approved me to wear a respirator. I have been trained in the appropriate use, care, and storage of respiratory equipment. I have been respirator fit tested; and I have my respirator available for use in the field. I understand that I am to use the equipment supplied to me by my employer. I further understand that this equipment is provided solely for my benefit with the intent to minimize my exposure to potentially hazardous conditions. In the event of such usage, I agree to indemnify and hold harmless Tait Environmental Management, Inc. and all of its employees from and against any and all losses, demands, claims, liabilities, lawsuits, damages, costs, and expenses arising, in any way, from the use of the equipment.

Date	Name	Company Name	Signature
5/10/07	LESTER WISNER	TAIT	
5/10/07	JORGE ARMENDARIZ	TAIT	
5/10/07	Carmen Lo	TAIT	

Page __ of __

BOE-C6-0053945

Tait Environmental Management, Inc.
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Daily Tailgate Health & Safety Meeting
Agreement and Acknowledgement Sheet

Project Name: Boeing C-6	**Project #:** EM-2701-02
Site/Area Location/Well ID: GW SAMPLING & PURGING	
Date(s) Work Performed: 5/8/07	**Time:** 645
Name Of Person Giving Tailgate **Print Name:** LESTER WIDNER **Signature:** Lester Widner	**Affiliation:** NONE.
Site-Specific Health & Safety Meeting Topics: SLIP, TRIPS AND FALLS. TRAFFIC AROUND WELLS. ALSO HEAT	

I have reviewed the plan, understand it, and agree to comply with all of the health and safety requirements. I understand that I may be prohibited from working on the project for violating any of the requirements. Visitors will be required to be escorted in the restricted access zone. Visitors must comply with Tait Environmental Management, Inc. escort directions while on site at all times. Non-compliance with escort directions will not be tolerated, and violators will be requested to leave the site immediately.

A physician based on medical examination has approved me to wear a respirator. I have been trained in the appropriate use, care, and storage of respiratory equipment. I have been respirator fit tested; and I have my respirator available for use in the field. I understand that I am to use the equipment supplied to me by my employer. I further understand that this equipment is provided solely for my benefit with the intent to minimize my exposure to potentially hazardous conditions. In the event of such usage, I agree to indemnify and hold harmless Tait Environmental Management, Inc. and all of its employees from and against any and all losses, demands, claims, liabilities, lawsuits, damages, costs, and expenses arising, in any way, from the use of the equipment.

Date	Name	Company Name	Signature
5/8/07	JORGE ARMENDARIZ	TAIT	Jorge Armendariz
"	DENNIS CARLSON	BOEING	D Carlson
5/8/07	LESTER WIDNER	TAIT	Lester Widner
5/8/07	Carmen Lo	Tait	Carmen Lo

TestAmerica
ANALYTICAL TESTING CORPORATION

CHAIN OF CUSTODY RECORD

To assist us in using the proper analytical methods, is this work being conducted for regulatory purposes?

Compliance Monitoring? Yes No

Enforcement Action? Yes No

Client Name/Account #: Tait Environmental Management

Address: 701 North Parkcenter Drive

City/State/Zip: Santa Ana, CA 92705

Project Manager: Clara Boeru

Telephone Number: (714) 560-8200 Fax No.: (714) 560-8235

Sampler Name: (Print) JA/LW/CL

Sampler Signature: [signature]

Report To: Clara Boeru

Invoice To: Clara Boeru

TA Quote #:

Project ID: C6 - Building 1

Project #: EM2727

Sample ID / Description	Date Sampled	Time Sampled	No. of Containers Shipped	Grab	Composite	Field Filtered	Preservative: Ice	HNO$_3$ (Red Label)	HCl (Blue Label)	NaOH (Orange Label)	H_2SO_4 Plastic (Yellow Label)	H_2SO_4 Glass(Yellow Label)	None (Black Label)	Other (Specify)	Matrix: Groundwater	Wastewater	Drinking Water	Sludge	Soil	Other (specify):	Analyze For: 8260B	CO2-SM 4500-C	(CO_2, Nitrogen, Ethane, Ethane, Methane, RSK 17	Ammonia-N, ISE 350.3	Organic Acids	TOC	Sulfate - EPA 300.0	Orthophosphate - EPA 300.0	Nitrite(NO_2) - EPA 300.0	Nitrate(NO_3) - EPA 300.0	Chloride - EPA 300.0	Total Alkalinity - EPA 310.1	Rdase Genes (rceA, vcrA and bvcA)	Qpcr	VFA	RUSH TAT (Pre-Schedule)	Standard TAT	Fax Results	Send QC with report
TMW_07_WG050807_0001	5/8/07	15:26	12				X	Varies							X						X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X
WCC_6S_WG050807_0001	5/8/07	10:43	12				X	Varies							X						X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X
EWB001_WG050807_0001	5/8/07	13:44	12				X	Varies							X						X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X
TB_TAIT050807_0001	5/8/07	NA	2				X		X						X						X															X		X
EB_TAIT050807_0001	5/8/07	10:45	3				X		X						X						X															X		X
FB_TAIT050807_0001	5/8/07	10:30	3				X		X						X						X															X		X
DB_TAIT050807_0001	5/8/07	11:00	3				X		X						X						X															X		X

Special Instructions:
Send Qpcr & Rdase Genes to NorthWind.
Send VFA to Microsweeps.

Method of Shipment:

Relinquished by	Date	Time	Received by	Date	Time
Relinquished by: [signature]	05/08/07	17:15	Received by TestAmerica: [signature]	5-8-07	1715

Laboratory Comments:
Temperature Upon Receipt:
VOCs Free of Headspace? Y N

BOE-C6-0053947

TestAmerica
ANALYTICAL TESTING CORPORATION

COC#: TEM05092007LW

CHAIN OF CUSTODY RECORD

To assist us in using the proper analytical methods, is this work being conducted for regulatory purposes?

Compliance Monitoring? Yes No

Enforcement Action? Yes No

Client Name/Account #: Tait Environmental Management

Address: 701 North Parkcenter Drive

City/State/Zip: Santa Ana, CA 92705

Project Manager: Clara Boeru

Telephone Number: (714) 560-8200 Fax No.: (714) 560-8235

Sampler Name: (Print) JA/LW/CL

Sampler Signature: [signature]

Report To: Clara Boeru

Invoice To: Clara Boeru

TA Quote #:

Project ID: C6 - Building 1

Project #: EM2727

Sample ID / Description	Date Sampled	Time Sampled	No. of Containers Shipped	Grab	Composite	Field Filtered	Preservative: Ice	HNO_3 (Red Label)	HCl (Blue Label)	NaOH (Orange Label)	H_2SO_4 Plastic (Yellow Label)	H_2SO_4 Glass(Yellow Label)	None (Black Label)	Other (Specify)	Matrix: Groundwater	Wastewater	Drinking Water	Sludge	Soil	Other (specify):	Analyze For: 8260B	CO2-SM 4500-C	(CO_2 Nitrogen, Ethane, Ethane, Methane RSK 17	Ammonia-N, ISE 350.3	Organic Acids	TOC	Sulfate - EPA 300.0	Orthophosphate - EPA 300.0	Nitrite(NO_2) - EPA 300.0	Nitrate(NO_3) - EPA 300.0	Chloride - EPA 300.0	Total Alkalinity - EPA 310.1	Rdase Genes (rceA, vcrA and bvcA)	Qpcr	VFA	RUSH TAT (Pre-Schedule)	Standard TAT	Fax Results	Send QC with report
AW0074UB_WG050907_0001	5/9/07	8:03	14				X	Varies							X						X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X
AW0075UB_WG050907_0001	5/9/07	12:58	14				X	Varies							X						X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X
AW0076UB_WG050907_0001	5/9/07	14:32	14				X	Varies							X						X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X
WCC_12_WG050907_0001	5/9/07	10:59	14				X	Varies							X						X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X
AW0064UB_WG050907_0001	5/9/07	16:01	14				X	Varies							X						X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X
TMW_07_WG050907_0001	5/9/07	15:00	2				X						X		X																		X	X		X		X
WCC_6S_WG050907_0001	5/9/07	16:00	2				X						X		X																		X	X		X		X
EWB001_WG050907_0001	5/9/07	15:30	2				X						X		X																		X	X		X		X
TB_TAIT050907_0001	5/9/07	NA	2				X		X						X						X															X		X
EB_TAIT050907_0001	5/9/07	16:10	3				X		X						X						X															X		X
FB_TAIT050907_0001	5/9/07	16:20	3				X		X						X						X															X		X
DB_TAIT050907_0001	5/9/07	16:30	3				X		X						X						X															X		X

Special Instructions:
Sent Qpcr & Rdase Genes to NorthWind.
Sent VFA to Microsweeps.

Method of Shipment:

Relinquished by:	Date	Time	Received by:	Date	Time
[signature]	05/9/07	1700	[signature]	5/9/07	1700
Relinquished by:	Date	Time	Received by TestAmerica:	Date	Time

Laboratory Comments:
Temperature Upon Receipt:
VOCs Free of Headspace? Y N

BOE-C6-0053948

TestAmerica
ANALYTICAL TESTING CORPORATION

COC#: TEM05102007LW

CHAIN OF CUSTODY RECORD

To assist us in using the proper analytical methods, is this work being conducted for regulatory purposes?

Compliance Monitoring? Yes No

Enforcement Action? Yes No

Client Name/Account #: Tait Environmental Management

Address: 701 North Parkcenter Drive

City/State/Zip: Santa Ana, CA 92705

Project Manager: Clara Boeru

Telephone Number: (714) 560-8200 Fax No.: (714) 560-8235

Sampler Name: (Print) JA/LW/CL

Sampler Signature: [signature]

Report To: Clara Boeru

Invoice To: Clara Boeru

TA Quote #:

Project ID: C6 - Building 1

Project #: EM2727

Sample ID / Description	Date Sampled	Time Sampled	No. of Containers Shipped	Grab	Composite	Field Filtered	Preservative: Ice	Preservative: HNO_3 (Red Label)	Preservative: HCl (Blue Label)	Preservative: NaOH (Orange Label)	Preservative: H_2SO_4 Plastic (Yellow Label)	Preservative: H_2SO_4 Glass(Yellow Label)	Preservative: None (Black Label)	Preservative: Other (Specify)	Matrix: Groundwater	Matrix: Wastewater	Matrix: Drinking Water	Matrix: Sludge	Matrix: Soil	Matrix: Other (specify):	Analyze For: 8260B	CO2-SM 4500-C	(CO_2, Nitrogen, Ethane, Ethane, Methane, RSK 17	Ammonia-N, ISE 350.3	Organic Acids	TOC	Sulfate - EPA 300.0	Orthophosphate - EPA 300.0	Nitrite(NO_2) - EPA 300.0	Nitrate(NO_3) - EPA 300.0	Chloride - EPA 300.0	Total Alkalinity - EPA 310.1	Rdase Genes (rceA, vcrA and bvcA)	Qpcr	VFA	RUSH TAT (Pre-Schedule)	Standard TAT	Fax Results	Send QC with report
AW0066UB_WG051007_0001	5/10/07	7:24	14				X	Varies							X						X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X
AW0067UB_WG051007_0001	5/10/07	9:27	14				X	Varies							X						X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X
AW0077UB_WG051007_0001	5/10/07	12:30	14				X	Varies							X						X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X
AW0065UB_WG051007_0001	5/10/07	8:30	14				X	Varies							X						X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X
AW0065UB_WG051007_0002	5/10/07	8:40	14				X	Varies							X						X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X
AW0055UB_WG051007_0001	5/10/07	11:00	14				X	Varies							X						X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X
AW0073C_WG051007_0001	5/10/07	13:45	14				X	Varies							X						X	X	X	X	X	X	X	X	X	X	X	X	X	X		X		X
TB_TAIT051007_0001	5/10/07	NA	2				X		X						X						X															X		X
EB_TAIT051007_0001	5/10/07	12:05	3				X		X						X						X															X		X
FB_TAIT051007_0001	5/10/07	12:15	3				X		X						X						X															X		X
DB_TAIT051007_0001	5/10/07	12:25	3				X		X						X						X															X		X

Special Instructions:
Sent Qpcr & Rdase Genes to NorthWind.
Sent VFA to Microsweeps.

Method of Shipment:

Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by: [signature]	05/10/07	1515	Received by TestAmerica: [signature]	5/10/07	1515

Laboratory Comments:
Temperature Upon Receipt:
VOCs Free of Headspace? Y N

2.2 °C

BOE-C6-0053949

April 2007 Baseline Monitoring (Round 1) Sampling Plan Former Building 1/26 Biorecirculation Pilot Test
Former C-6 Facility
Los Angeles, California

Well ID	Date	Time	Ferrous Iron (mg/L) (Field Measurement)	Hydrogen Sulfide (mg/L) (Field Measurement)	Other Field Measurement	Recorded By	Equipment Type	Comments
WCC-65	05/08/07	10:50	3.30	—	—	CL	Hach DR/890	
EWB001		13:40	0.37	—	—		Hach DR/890	
TMW-07		15:30	0.53	—	—		Hach DR/890	
							Hach DR/890	
							Hach DR/890	
							Hach DR/890	
							Hach DR/890	
							Hach DR/890	
							Hach DR/890	
							Hach DR/890	
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							Hach DR/890	
							Hach DR/890	
							Hach DR/890	

Groundwater Sampling Data Sheet

TAIT Environmental Management, Inc

Project Name: C-6 TORRANCE, BASELINE MAY 2007	**Date:** 5-8-07
Project No.: EM 2727.01	**Prepared By:** JA
Well Identification: WCC-06S	**Weather:** SUNNY/WARM
Measurement Point Description: TOC, N	**Pump Intake:** 70' **Screen:** 60'-90'

Depth to LNAPL (ft-bmp)	A Depth to Static Water Level (ft-bmp)	B Well Total Depth (ft-bmp)	C Water Column Height (ft) (A – B = C)	LNAPL Thickness (ft-bmp)	E One (1) Casing Volume (gallons) (C XD=E)	Three (3) Casing Volumes (gallons) (E x 3)	½ Casing Volume (E /2)	Above Screen Volume (Top screen – DTW)x D	Screen Volume (Screen length x D)	½ screen Volume
---	59.95	84.83	24.88	---	16.17	48.51	8.1	—	—	—

	Gallons/Foot			
Well Diameter (in)	0.75	2	4	6
D Gallons per foot of casing	0.02	0.16	0.65	1.47

Field Equipment: Solinst, Horiba

Purge Method: 2" GRUNDFOS PUMP W/DEDICATED TUBING

Well Condition: GOOD

Time	Casing/ Screen	Volume Purged (gallons)	Flow Rate (gpm)	Water Level (ft-bmp)	Ph	Temperature (°C)	Turbidity (NTU)	Conductivity (S/m)	Dissolved Oxygen (mg/L)	ORP (mV)	Observations
0859	0.5	8.1	0.30	60.70	7.0	26.1	93	0.33	5.8	-97	CLEAR/NO ODOR
0826	1.0	16.2	0.31	60.85	7.0	25.8	75	0.33	3.8	-118	CLEAR/NO ODOR
0953	1.5	24.3	0.30	61.55	7.1	25.3	74	0.31	2.5	-137	CLEAR/NO ODOR
1009	2.0	32.4	0.50	61.45	7.0	24.9	76	0.31	2.4	-139	CLEAR/NO ODOR
1025	2.5	40.5	0.50	61.48	7.0	24.8	51	0.30	2.4	-138	CLEAR/NO ODOR
1041	3.0	48.6	0.50	61.50	7.0	25.0	48	0.29	2.5	-138	CLEAR/NO ODOR

Purge Start Time	Purge End Time	Average Flow (gpm)	Total Gallons Purged	Total Casing Volumes Purged	80% Recovery Water Level Depth (C x .80) - B	Water Level at Sampling Time (ft-bmp)	Sample Collection Time	Sample Identification
0832	1041	0.5	50	3.0	64.93	61.50	1043	WCC-06S-WG050807-0001

Notes: * INITIAL WATER COLOR: CLOUDY W/LIGHT ODOR

Ferrous Iron: 3.30 mg/L

* PURGED WELL WATER INTO COMPOUND TANK

ft-bmp = feet below measuring point

BOE-C6-0053951

Groundwater Sampling Data Sheet

TAIT Environmental Management, Inc

Project Name: C-6 TORRANCE, BASELINE, MAY 2007	**Date:** 5-8-07
Project No.: EM 2727-01	**Prepared By:** JB
Well Identification: EW8001	**Weather:** SUNNY / HOT
Measurement Point Description: TOC, N	**Pump Intake:** 105' **Screen:** 96-111

Depth to LNAPL (ft-bmp)	A Depth to Static Water Level (ft-bmp)	B Well Total Depth (ft-bmp)	C Water Column Height (ft) (A – B = C)	LNAPL Thickness (ft-bmp)	E One (1) Casing Volume (gallons) (C XD=E)	Three (3) Casing Volumes (gallons) (E x 3)	½ Casing Volume (E /2)	Above Screen Volume (Top screen – DTW)x D	Screen Volume (Screen length x D)	½ screen Volume
---	60.25	88.77	28.52	---	41.92	126	21	—	—	—

	Gallons/Foot			
Well Diameter (in)	0.75	2	4	6
D **Gallons per foot of casing**	0.02	0.16	0.65	1.47

Field Equipment: Solinst, Horiba

Purge Method: 2" GRUNDFOS PUMP W/ DEDICATED TUBING

Well Condition: GOOD

Time	Casing/ Screen	Volume Purged (gallons)	Flow Rate (gpm)	Water Level (ft-bmp)	Ph	Temperature (°C)	Turbidity (NTU)	Conductivity (S/m)	Dissolved Oxygen (mg/L)	ORP (mV)	Observations
1227	0.5	21	1.0	62.05	7.4	24.3	72	0.24	5.3	-218	CLEAR/NO ODOR
1245	1.0	42	1.2	62.25	7.2	24.2	55	0.21	3.7	-205	CLEAR/NO ODOR
1300	1.5	63	1.4	62.25	7.4	23.8	53	0.21	2.8	-218	CLEAR/NO ODOR
1314	2.0	84	1.5	62.35	7.4	23.8	58	0.20	2.6	-215	CLEAR/NO ODOR
1328	2.5	105	1.5	62.25	7.4	23.9	54	0.19	2.7	-209	CLEAR/NO ODOR
1342	3.0	126	1.5	62.30	7.4	23.9	54	0.19	2.6	-211	CLEAR/NO ODOR

Purge Start Time	Purge End Time	Average Flow (gpm)	Total Gallons Purged	Total Casing Volumes Purged	80% Recovery Water Level Depth (C x .80) - B	Water Level at Sampling Time (ft-bmp)	Sample Collection Time	Sample Identification
1206	1342	1.5	129	3.0	65.95	~~[illegible]~~ JB 65.95	1344	EW8001_WG050807-0001

Notes: * INITIAL WATER COLOR: CLEAR

Ferrous Iron 0.37 mg/L

* PURGED WELL WATER INTO CONTAINING TANK.

ft-bmp = feet below measuring point

Groundwater Sampling Data Sheet

TAIT Environmental Management, Inc

Project Name: C-6 TORRANCE, BASELINE, MAY 2007	**Date:** 5-8-07
Project No.: EM 2727-01	**Prepared By:** JA
Well Identification: TMW-07	**Weather:** SUNNY & WARM / WINDY
Measurement Point Description: TOC, N	**Pump Intake:** 75' **Screen:** 65'-85'

Depth to LNAPL (ft-bmp)	A Depth to Static Water Level (ft-bmp)	B Well Total Depth (ft-bmp)	C Water Column Height (ft) (A – B = C)	LNAPL Thickness (ft-bmp)	E One (1) Casing Volume (gallons) (C XD=E)	Three (3) Casing Volumes (gallons) (E x 3)	½ Casing Volume (E /2)	Above Screen Volume (Top screen – DTW)x D	Screen Volume (Screen length x D)	½ screen Volume
---	61.45	82.60	21.15	---	—	—	—	0.57	3.2	1.6

	Gallons/Foot			
Well Diameter (in)	0.75	2	4	6
D Gallons per foot of casing	0.02	0.16	0.65	1.47

Field Equipment: Solinst, Horiba

Purge Method: 2" GRUNDFOS PUMP W/ DEDICATED TUBING

Well Condition: GOOD

Time	Casing/ Screen	Volume Purged (gallons)	Flow Rate (gpm)	Water Level (ft-bmp)	Ph	Temperature (°C)	Turbidity (NTU)	Conductivity (S/m)	Dissolved Oxygen (mg/L)	ORP (mV)	Observations
1513	ABOVE	0.6	0.5	61.35	7.5	25.5	390	0.19	16.3	23	CLOUDY / NO ODOR
1515	0.5	2.2	0.5	61.37	7.4	26.3	310	0.18	10.2	34	CLOUDY / NO ODOR
1517	1.0	3.8	0.5	61.40	7.4	26.3	300	0.18	10.1	33	CLOUDY / NO ODOR
1519	1.5	5.4	0.5	61.58	7.4	25.9	220	0.18	8.2	40	CLOUDY / NO ODOR
1521	2.0	7	0.5	61.60	7.4	25.9	160	0.18	8.0	43	CLOUDY / NO ODOR
1523	2.5	8.6	0.5	61.60	7.4	26.2	140	0.18	7.4	42	CLOUDY / NO ODOR
1525	3.0	10.2	0.5	61.60	7.4	26.2	130	0.18	7.4	42	CLOUDY / NO ODOR

Purge Start Time	Purge End Time	Average Flow (gpm)	Total Gallons Purged	Total Casing Volumes Purged	80% Recovery Water Level Depth (C x .80) - B	Water Level at Sampling Time (ft-bmp)	Sample Collection Time	Sample Identification
1512	1525	0.5	10.5	ABOVE: 0.6 SCREEN: 3.6	65.68	61.60	1526	TMW-07-W050807-0001

Notes:

Ferrous Iron = 0.53 mg/L

ft-bmp = feet below measuring point

BOE-C6-0053953

April 2007 Baseline Monitoring (Round 1) Sampling Plan Former Building 1/26 Biorecirculation Pilot Test
Former C-6 Facility
Los Angeles, California

Well ID	Date	Time	Ferrous Iron (mg/L) (Field Measurement)	Hydrogen Sulfide (mg/L) (Field Measurement)	Other Field Measurement	Recorded By	Equipment Type	Comments
AW 00740B	05/09/07	08:05	0.00	—	—	CL	Hach DR/890	
AW0075UB	|	13:00	0.00	—	—	|	Hach DR/890	
AW00760B	|	14:35	0.01	—	—	|	Hach DR/890	
WCC-12S	|	11:04	0.00	—	—	|	Hach DR/890	
AW0064UB	|	16:05	0.05	—	—	|	Hach DR/890	
~~AW00736~~	|			—	—	|	Hach DR/890	
							Hach DR/890	
							Hach DR/890	
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Groundwater Sampling Data Sheet

TAIT Environmental Management, Inc

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Project Name: C-6 BASELINE MAY 2007	**Date:** 5-9-07
Project No.: EM 2727-01	**Prepared By:** JA
Well Identification: AW0074UB	**Weather:** Sunny / warm
Measurement Point Description: TOC NORTH	**Pump Intake:** 80' **Screen:** 70'-90'

Depth to LNAPL (ft-bmp)	A Depth to Static Water Level (ft-bmp)	B Well Total Depth (ft-bmp)	C Water Column Height (ft) (A – B = C)	LNAPL Thickness (ft-bmp)	E One (1) Casing Volume (gallons) (C XD=E)	Three (3) Casing Volumes (gallons) (E x 3)	½ Casing Volume (E /2)	Above Screen Volume (Top screen – DTW)x D	TUBING Volume (LITER)	½ screen Volume
---	1. 59.91 2. 59.91 3. 59.91	88.55	28.64	---	N/A	N/A	N/A	N/A	0.77	N/A

	Gallons/Foot			
Well Diameter (in)	0.75	2	4	6
D Gallons per foot of casing	0.02	0.16	0.65	1.47

Field Equipment: Solinst, Horiba

Purge Method: MONSOON LOW-FLOW PUMP

Well Condition: GOOD / 1 BOLT MISSING

Time	(LITER) INITIAL PURGED VOLUME	Volume Purged (LITER)	Flow Rate (LPM)	Water Level (ft-bmp)	Ph	Temperature (°C)	Turbidity (NTU)	Conductivity (S/m)	Dissolved Oxygen (mg/L)	ORP (mV)	Observations
0744	1.0.0	1.02	0.5	60.02	5.3	22.4	200	0.18	6.6	45	CLOUDY / NO ODOR
0746	2.0	2.04	0.5	60.04	5.3	22.5	190	0.18	5.7	44	CLOUDY / NO ODOR
0748	3.0	3.06	0.5	60.04	5.3	22.8	190	0.19	5.3	41	CLOUDY / NO ODOR
0750	4.0	4.08	0.5	60.06	5.3	23.0	180	0.19	5.0	35	CLOUDY / NO ODOR
0752	5.0	5.10	0.5	60.06	5.3	23.3	140	0.19	4.6	34	CLOUDY / NO ODOR
0754	6.0	6.12	0.5	60.06	5.3	23.3	120	0.19	4.3	35	CLOUDY / NO ODOR

Purge Start Time	Purge End Time	Average Flow (LPM)	TOTAL LITER PURGED	Total TUBING Volumes Purged	80% Recovery Water Level Depth (C x .80) - B	Water Level at Sampling Time (ft-bmp)	Sample Collection Time	Sample Identification
0742	0754	0.5	6.12	86.0	65.64	60.06	0803	AW0074UB_WG050907_0001

Notes: FLOW CELL CONTAINS 0.25 OF A LITER
INITIAL PURGED 1.0 LITER
Ferrous Iron : 0.00 mg/L
DISPOSED OF WATER IN COMPOUND

BOE-C6-0053955

Groundwater Sampling Data Sheet

TAIT Environmental Management, Inc

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Project Name: C-6 BASELINE MAY 2007	Date: 5/9/07
Project No.: EM 2727-01	Prepared By: LW
Well Identification: AW0075UB	Weather: SUNNY ~ 80°F
Measurement Point Description: TOC NORTH	Pump Intake: 80' / Screen: 69'-89'

Depth to LNAPL (ft-bmp)	A Depth to Static Water Level (ft-bmp)	B Well Total Depth (ft-bmp)	C Water Column Height (ft) (A – B = C)	LNAPL Thickness (ft-bmp)	E One (1) Casing Volume (gallons) (C X D=E)	Three (3) Casing Volumes (gallons) (E x 3)	½ Casing Volume (E/2)	Above Screen Volume (Top screen – DTW) x D	TUBING Volume (LITER)	½ screen Volume
---	1. 60.45 2. 60.45 3. 60.45	89.08	28.63	---	N/A	N/A	N/A	N/A	0.75	N/A

	Gallons/Foot			
Well Diameter (in)	0.75	2	4	6
D Gallons per foot of casing	0.02	0.16	0.65	1.47

Field Equipment: Solinst, Horiba

Purge Method: MONSOON LOW-FLOW PUMP

Well Condition: GOOD

Time	(LITER) INITIAL PURGED VOLUME	Volume Purged (LITER)	Flow Rate (LPM)	Water Level (ft-bmp)	Ph	Temperature (°C)	Turbidity (NTU)	Conductivity (S/m)	Dissolved Oxygen (mg/L)	ORP (mV)	Observations
1246	1.0	1.00	.5	60.52	5.4	25.7	999	0.24	11.4	-110	HIGH TURBIDITY
1247	2.0	2.00	1	60.53	5.4	25.7	990	0.25	10.5	-113	HIGH TURBIDITY
1249	3.0	3.00	.5	60.52	5.3	25.8	850	0.25	9.0	-114	HIGH TURBIDITY
1251	4.0	4.00	.5	60.51	5.4	25.8	990	0.25	8.1	-114	HIGH TURBIDITY
1255	5.0	5.00	.5	60.52	5.3	26.0	990	0.24	7.7	-114	HIGH TURBIDITY
1257	6.0	6.00	.5	60.52	5.3	25.0	990	0.25	6.2	-115	HIGH TURBIDITY

Purge Start Time	Purge End Time	Average Flow (LPM)	TOTAL LITER PURGED	Total TUBING Volumes Purged	80% Recovery Water Level Depth (C x .80) - B	Water Level at Sampling Time (ft-bmp)	Sample Collection Time	Sample Identification
1244	1257	.5	9	6.0	66.18	60.52	1258	AW0075UB-W605090 7-0001

Notes: FLOW CELL CONTAINS 0.25 OF A LITER

Ferrous Iron: 0.00 mg/L

DISPOSED OF WATER IN COMPOUND

BOE-C6-0053956

Groundwater Sampling Data Sheet

TAIT Environmental Management, Inc

Page ___ of ___

Project Name: C-6 BASELINE MAY 2007	**Date:** 5-9-07
Project No.: EM 2727-01	**Prepared By:** JA
Well Identification: AW0076UB	**Weather:** SUNNY / WARM
Measurement Point Description: TOC NORTH	**Pump Intake:** 80' **Screen:** 69'-89'

Depth to LNAPL (ft-bmp)	A Depth to Static Water Level (ft-bmp)	B Well Total Depth (ft-bmp)	C Water Column Height (ft) (A – B = C)	LNAPL Thickness (ft-bmp)	E One (1) Casing Volume (gallons) (C XD=E)	Three (3) Casing Volumes (gallons) (E x 3)	½ Casing Volume (E /2)	Above Screen Volume (Top screen – DTW)x D	TUBING Volume (LITER)	½ screen Volume
---	1. 60.98 2. 60.98 3. 60.98	88.57	27.59	---	N/A	N/A	N/A	N/A	0.73	N/A

	Gallons/Foot			
Well Diameter (in)	0.75	2	4	6
D Gallons per foot of casing	0.02	0.16	0.65	1.47

Field Equipment: Solinst, Horiba

Purge Method: MONSOON LOW-FLOW PUMP

Well Condition: GOOD

Time	(LITER) INITIAL PURGED VOLUME	Volume Purged (LITER)	Flow Rate (LPM)	Water Level (ft-bmp)	Ph	Temperature (°C)	Turbidity (NTU)	Conductivity (S/m)	Dissolved Oxygen (mg/L)	ORP (mV)	Observations
1421	1.0	1.0	0.5	61.00	5.3	23.6	84	0.44	7.9	-115	CLOUDY
1423	2.0	2.0	0.5	61.10	5.3	23.4	75	0.52	7.2	-115	CLOUDY
1425	3.0	3.0	0.5	61.15	5.3	23.7	69	0.53	7.0	-117	CLOUDY
1427	4.0	4.0	0.5	61.13	5.3	24.1	56	0.54	6.8	-118	CLOUDY
1429	5.0	5.0	0.5	61.11	5.3	24.1	47	0.54	6.2	-119	CLOUDY
1431	6.0	6.0	0.5	61.12	5.3	23.7	48	0.54	6.0	-119	CLOUDY

Purge Start Time	Purge End Time	Average Flow (LPM)	TOTAL LITER PURGED	Total TUBING Volumes Purged	80% Recovery Water Level Depth (C x .80) - B	Water Level at Sampling Time (ft-bmp)	Sample Collection Time	Sample Identification
1419	1431	0.5	9	6	66.50	61.12	1432	AW0076UB_WG050907-0001

Notes: FLOW CELL 0.25 LITERS

Ferrous Iron: 0.01 mg/L

DISPOSED OF WATER IN COMPOUND

BOE-C6-0053957

Groundwater Sampling Data Sheet

TAIT Environmental Management, Inc

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Project Name: E-6 TORRANCE, BASELINE MAY, 07	**Date:** 5-9-07
Project No.: EM 2727-01	**Prepared By:** JA
Well Identification: WCC-12S	**Weather:** SUNNY/WARM
Measurement Point Description: TOC, N	**Pump Intake:** 75' **Screen:** 60-90

Depth to LNAPL (ft-bmp)	A Depth to Static Water Level (ft-bmp)	B Well Total Depth (ft-bmp)	C Water Column Height (ft) (A – B = C)	LNAPL Thickness (ft-bmp)	E One (1) Casing Volume (gallons) (C XD=E)	Three (3) Casing Volumes (gallons) (E x 3)	½ Casing Volume (E /2)	Above Screen Volume (Top screen – DTW)x D	Screen Volume (Screen length x D)	½ screen Volume
---	58.67	91.77	33.1	---	21.51	64.53	10.75	—	—	—

	Gallons/Foot			
Well Diameter (in)	0.75	2	4	6
D **Gallons per foot of casing**	0.02	0.16	0.65	1.47

Field Equipment: Solinst, Horiba

Purge Method: 2" Grundfos Pump w/ DEDICATED TUBING

Well Condition: GOOD

Time	Casing/ Screen	Volume Purged (gallons)	Flow Rate (gpm)	Water Level (ft-bmp)	Ph	Temperature (°C)	Turbidity (NTU)	Conductivity (S/m)	Dissolved Oxygen (mg/L)	ORP (mV)	Observations
1003	0.5	11	1.0	60.25	5.6	24.5	38	0.22	14.9	-130	CLOUDY, NO ODOR
1014	1.0	22	1.0	60.25	5.6	24.5	50	0.22	6.7	-104	CLOUDY, NO ODOR
1025	1.5	33	1.0	60.26	5.6	24.5	34	0.22	6.0	-80	CLOUDY, NO ODOR
1036	2.0	44	1.0	60.28	5.6	24.5	13	0.22	5.5	-54	CLEAR, NO ODOR
1047	2.5	55	1.0	60.29	5.6	24.5	4	0.22	5.3	-33	CLEAR, NO ODOR
1058	3.0	66	1.0	60.34	5.6	24.5	2	0.22	5.2	-30	CLEAR, NO ODOR

Purge Start Time	Purge End Time	Average Flow (gpm)	Total Gallons Purged	Total Casing Volumes Purged	80% Recovery Water Level Depth (C x .80) - B	Water Level at Sampling Time (ft-bmp)	Sample Collection Time	Sample Identification
0952	1058	1.0	66	3.0	65.29	60.34	1059	WCC-12S-WG050907-0001

Notes:

Ferrous Iron : 8.00 mg/L

DISPOSED OF WATER IN COMPOUND

ft-bmp = feet below measuring point

BOE-C6-0053958

Groundwater Sampling Data Sheet

TAIT Environmental Management, Inc

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Project Name: C-6 BASELINE MAY 2007	**Date:** 5-9-07
Project No.: EM 2727-01	**Prepared By:** SA
Well Identification: AW0064UB	**Weather:** SUNNY / WARM WITH WINDS
Measurement Point Description: TOC NORTH	**Pump Intake:** 80' **Screen:** 68.5'-88.5'

Depth to LNAPL (ft-bmp)	A Depth to Static Water Level (ft-bmp)	B Well Total Depth (ft-bmp)	C Water Column Height (ft) (A – B = C)	LNAPL Thickness (ft-bmp)	E One (1) Casing Volume (gallons) (C XD=E)	Three (3) Casing Volumes (gallons) (E x 3)	½ Casing Volume (E /2)	Above Screen Volume (Top screen – DTW)x D	TUBING Volume (LITER)	½ screen Volume
---	1. 60.45 2. 60.45 3. 60.45	87.70	27.25	---	N/A	N/A	N/A	N/A	0.75	N/A

Well Diameter (in)	Gallons/Foot 0.75	2	4	6
D Gallons per foot of casing	0.02	0.16	0.65	1.47

Field Equipment: Solinst, Horiba

Purge Method: MONSOON LOW-FLOW PUMP

Well Condition: GOOD

Time	(LITER) INITIAL PURGED VOLUME	Volume Purged (LITER)	Flow Rate (LPM)	Water Level (ft-bmp)	Ph	Temperature (°C)	Turbidity (NTU)	Conductivity (S/m)	Dissolved Oxygen (mg/L)	ORP (mV)	Observations
1550	1.0	1.0	0.5	60.56	5.3	23.7	200	0.25	8.2	-124	BLACK / NO ODOR
1552	2.0	2.0	0.5	60.55	5.3	23.7	200	0.26	7.5	-119	CLOUDY / NO ODOR
1554	3.0	3.0	0.5	60.59	5.3	23.2	170	0.26	6.5	-116	CLOUDY / NO ODOR
1556	4.0	4.0	0.5	60.59	5.3	23.2	140	0.27	6.3	-116	CLOUDY / NO ODOR
1558	5.0	5.0	0.5	60.59	5.3	23.5	100	0.28	6.0	-116	CLOUDY / NO ODOR
1600	6.0	6.0	0.5	60.59	5.3	23.8	98	0.29	5.9	-117	CLOUDY / NO ODOR

Purge Start Time	Purge End Time	Average Flow (LPM)	TOTAL LITER PURGED	Total TUBING Volumes Purged	80% Recovery Water Level Depth (C x .80) - B	Water Level at Sampling Time (ft-bmp)	Sample Collection Time	Sample Identification
1548	1600	0.5	9.0	6.0	65.90	60.59	1601	AW0064UB-WG-050907-0001

Notes: FLOW CELL 0.25 liter

Ferrous Iron: 0.05 mg/L

DISPOSED OF WATER IN COMPOUND

REMOVED TUBING FROM WELL AFTER SAMPLING - STORED IN COMPOUND

BOE-C6-0053959

April 2007 Baseline Monitoring (Round 1) Sampling Plan Former Building 1/26 Biorecirculation Pilot Test
Former C-6 Facility
Los Angeles, California

Well ID	Date	Time	Ferrous Iron (mg/L) (Field Measurement)	Hydrogen Sulfide (mg/L) (Field Measurement)	Other Field Measurement	Recorded By	Equipment Type	Comments
AW0065UB	05/10/07	8:50	0.08	—	—	CL	Hach DR/890	
AW0066UB		7:30	0.00	—	—		Hach DR/890	
AW0067UB		9:30	0.00	—	—		Hach DR/890	
AW0077UB		12:35	0.00	—	—		Hach DR/890	
AW0073C		13:50	0.00	—	—		Hach DR/890	
AW0055UB		11:05	0.00	—	—		Hach DR/890	
							Hach DR/890	
							Hach DR/890	
							Hach DR/890	
							Hach DR/890	
							Hach DR/890	
							Hach DR/890	
							Hach DR/890	
							Hach DR/890	
							Hach DR/890	
							Hach DR/890	
							Hach DR/890	
							Hach DR/890	
							Hach DR/890	
							Hach DR/890	

Groundwater Sampling Data Sheet

TAIT Environmental Management, Inc

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Project Name: C-6 BASELINE MAY 2007	**Date:** 5/10/07
Project No.: EM 2727-01	**Prepared By:** LW
Well Identification: AW0066UB	**Weather:** SUNNY & 70°F
Measurement Point Description: TOC NORTH	**Pump Intake:** 80' **Screen:** 69.5'-89.5'

Depth to LNAPL (ft-bmp)	A Depth to Static Water Level (ft-bmp)	B Well Total Depth (ft-bmp)	C Water Column Height (ft) (A – B = C)	LNAPL Thickness (ft-bmp)	E One (1) Casing Volume (gallons) (C XD=E)	Three (3) Casing Volumes (gallons) (E x 3)	½ Casing Volume (E /2)	Above Screen Volume (Top screen – DTW)x D	TUBING Volume (LITER)	½ screen Volume
—	1. 61.31 2. 61.31 3. 61.31	90.15	28.84	—	N/A	N/A	N/A	N/A	0.75	N/A

	Gallons/Foot			
Well Diameter (in)	0.75	2	4	6
D Gallons per foot of casing	0.02	0.16	0.65	1.47

Field Equipment: Solinst, Horiba

Purge Method: MONSOON LOW-FLOW PUMP

Well Condition:

Time	(LITER) INITIAL PURGED VOLUME	Volume Purged (LITER)	Flow Rate (LPM)	Water Level (ft-bmp)	Ph	Temperature (°C)	Turbidity (NTU)	Conductivity (S/M)	Dissolved Oxygen (mg/L)	ORP (mV)	Observations
0713	1.0	1.0	0.5	61.35	5.1	20.2	300	0.42	6.4	-94	GREY
0715	2.0	2.0	0.5	61.35	5.1	20.4	360	0.50	5.7	-92	GREY
0717	3.0	3.0	0.5	61.36	5.1	20.4	350	0.50	4.8	-90	GREY
0719	4.0	4.0	0.5	61.37	5.1	21.4	350	0.57	4.6	-95	GREY
0721	5.0	5.0	0.5	61.37	5.1	21.5	350	0.57	4.0	-98	GREY
0723	6.0	6.0	0.5	61.37	5.1	21.4	350	0.58	3.8	-99	GREY

Purge Start Time	Purge End Time	Average Flow (LPM)	TOTAL LITER PURGED	Total TUBING Volumes Purged	80% Recovery Water Level Depth (C x .80) - B	Water Level at Sampling Time (ft-bmp)	Sample Collection Time	Sample Identification
0711	0723	0.5	6.0	6.0	~~61.37~~ 67.05 LW	61.37	0724	AW0066UB_IAXG 0510076000DY

Notes: FLOW CELL 0.25 LITER

FERROUS IRON: 0.00 mg/L

DISPOSED OF WATER IN COMPOUND

REMOVED TUBING FROM WELL AFTER SAMPLING - STORED IN COMPOUND

BOE-C6-0053961

Groundwater Sampling Data Sheet

TAIT Environmental Management, Inc

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Project Name: C-6 BASELINE MAY 2007	**Date:** 5/10/07
Project No.: EM 2727-01	**Prepared By:** JA
Well Identification: AW0067UB	**Weather:** SUNNY / 80°F
Measurement Point Description: TOC NORTH	**Pump Intake:** 80' **Screen:** 70'-90'

Depth to LNAPL (ft-bmp)	A Depth to Static Water Level (ft-bmp)	B Well Total Depth (ft-bmp)	C Water Column Height (ft) (A – B = C)	LNAPL Thickness (ft-bmp)	E One (1) Casing Volume (gallons) (C XD=E)	Three (3) Casing Volumes (gallons) (E x 3)	½ Casing Volume (E /2)	Above Screen Volume (Top screen – DTW)x D	TUBING Volume (LITER)	½ screen Volume
---	1. 61.34 2. 61.34 3. 61.34	88.59	27.25	---	N/A	N/A	N/A	N/A	0.75	N/A

	Gallons/Foot			
Well Diameter (in)	0.75	2	4	6
D Gallons per foot of casing	0.02	0.16	0.65	1.47

Field Equipment: Solinst, Horiba

Purge Method: MONSOON LOW-FLOW PUMP

Well Condition: GOOD / NEW

Time	(LITER) INITIAL PURGED VOLUME	Volume Purged (LITER)	Flow Rate (LPM)	Water Level (ft-bmp)	Ph	Temperature (°C)	Turbidity (NTU)	Conductivity (S/M)	Dissolved Oxygen (mg/L)	ORP (mV)	Observations
09:16	1	1.0	0.5	61.48	5.5	22.2	990	0.15	7.2	123	BLACK / CLOUDY
09:18	2	2.0	0.5	61.49	5.5	22.2	990	0.15	6.0	111	BLACK / CLOUDY
09:20	3	3.0	0.5	61.49	5.5	22.5	990	0.15	5.6	105	BLACK / CLOUDY
09:22	4	4.0	0.5	61.49	5.5	22.7	990	0.15	4.8	101	BLACK / CLOUDY
09:24	5	5.0	0.5	61.49	5.5	22.9	990	0.15	4.0	98	BLACK / CLOUDY
09:26	6	6.0	0.5	61.49	5.5	22.9	990	0.15	3.9	97	BLACK / CLOUDY
											BLACK / CLOUDY

Purge Start Time	Purge End Time	Average Flow (LPM)	TOTAL LITER PURGED	Total TUBING Volumes Purged	80% Recovery Water Level Depth (C x .80) - B	Water Level at Sampling Time (ft-bmp)	Sample Collection Time	Sample Identification
09:14	9:26	0.5	7.0	6.0	66.79	61.49	9:27	AW0067UB_WG051007_0001

Notes: FLOW CELL 0.25 LITER

FERROUS IRON - 0.00 mg/L

DISPOSED OF WATER IN COMPOUND

REMOVED TUBING FROM WELL AFTER SAMPLING - STORED IN COMPOUND

BOE-C6-0053962

Groundwater Sampling Data Sheet

TAIT Environmental Management, Inc

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Project Name: C-6 BASELINE MAY 2007	**Date:** 5/10/07
Project No.: EM 2727-01	**Prepared By:** VA
Well Identification: AW0077UB	**Weather:** SUNNY / 80°F
Measurement Point Description: TOC NORTH	**Pump Intake:** 80' — **Screen:** 70.5' - 85.5

Depth to LNAPL (ft-bmp)	A Depth to Static Water Level (ft-bmp)	B Well Total Depth (ft-bmp)	C Water Column Height (ft) (A – B = C)	LNAPL Thickness (ft-bmp)	E One (1) Casing Volume (gallons) (C XD=E)	Three (3) Casing Volumes (gallons) (E x 3)	½ Casing Volume (E /2)	Above Screen Volume (Top screen – DTW)x D	TUBING Volume (LITER)	½ screen Volume
---	1. 61.30 2. 61.30 3. 61.30	83.45	22.15	---	N/A	N/A	N/A	N/A	0.72	N/A

	Gallons/Foot			
Well Diameter (in)	0.75	2	4	6
D Gallons per foot of casing	0.02	0.16	0.65	1.47

Field Equipment: Solinst, Horiba

Purge Method: MONSOON LOW-FLOW PUMP

Well Condition: GOOD / NEW

Time	(LITER) INITIAL PURGED VOLUME	Volume Purged (LITER)	Flow Rate (LPM)	Water Level (ft-bmp)	Ph	Temperature (°C)	Turbidity (NTU)	Conductivity (S/M)	Dissolved Oxygen (mg/L)	ORP (mV)	Observations
1152	1	1.0	0.5	61.65	5.2	27.7	990	0.36	10.4	-136	BLACK/BAD ODOR
1154	2	2.0	0.5	61.65	5.2	27.1	990	0.37	9.4	-139	BLACK/BAD ODOR
1156	3	3.0	0.5	61.65	5.2	26.5	990	0.37	8.6	-144	BLACK/BAD ODOR
1158	4	4.0	0.5	61.65	5.2	26.3	990	0.37	7.2	-145	BLACK/BAD ODOR
1200	5	5.0	0.5	61.65	5.2	25.5	990	0.36	6.6	-145	BLACK/BAD ODOR
1202	6	6.0	0.5	61.65	5.2	25.3	990	0.36	5.2	-144	BLACK/BAD ODOR

Purge Start Time	Purge End Time	Average Flow (LPM)	TOTAL LITER PURGED	Total TUBING Volumes Purged	80% Recovery Water Level Depth (C x .80) - B	Water Level at Sampling Time (ft-bmp)	Sample Collection Time	Sample Identification
1150	1202	0.5	7.0	6	65.74	61.65	1203	AW0077UB_WG051007-0001

Notes: FLOW CELL 0.25 LITER

DISPOSED OF WATER IN COMPOUND

FERROUS IRON — 0.00 mg/L

BOE-C6-0053963

Groundwater Sampling Data Sheet

TAIT Environmental Management, Inc

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Project Name: C-6 BASELINE MAY 2007	**Date:** 5/10/07
Project No.: EM 2727-01	**Prepared By:** LW
Well Identification: AW0065UB	**Weather:** SUNNY 70°F
Measurement Point Description: TOC NORTH	**Pump Intake:** 80' **Screen:** 68.5' - 88.5'

Depth to LNAPL (ft-bmp)	A Depth to Static Water Level (ft-bmp)	B Well Total Depth (ft-bmp)	C Water Column Height (ft) (A – B = C)	LNAPL Thickness (ft-bmp)	E One (1) Casing Volume (gallons) (C XD=E)	Three (3) Casing Volumes (gallons) (E x 3)	½ Casing Volume (E /2)	Above Screen Volume (Top screen – DTW)x D	TUBING Volume (LITER)	½ screen Volume
---	1. 60.93 2. 60.93 3. 60.93	89.44	28.51	---	N/A	N/A	N/A	N/A	0.75	N/A

	Gallons/Foot			
Well Diameter (in)	0.75	2	4	6
D Gallons per foot of casing	0.02	0.16	0.65	1.47

Field Equipment: Solinst, Horiba

Purge Method: MONSOON LOW-FLOW PUMP

Well Condition: GOOD / NEW

Time	(LITER) INITIAL PURGED VOLUME	Volume Purged (LITER)	Flow Rate (LPM)	Water Level (ft-bmp)	Ph	Temperature (°C)	Turbidity (NTU)	Conductivity (S/M)	Dissolved Oxygen (mg/L)	ORP (mV)	Observations
8:04	1.	1.0	0.25	61.10	6.29	21.2	900	0.340	3.08	+109	GRAY/CLOUDY
8:08	2	2.0	0.25	61.10	6.30	21.8	910	0.355	3.28	+112	GRAY/CLOUDY
8:12	3	3.0	0.25	61.10	6.32	21.9	910	0.357	2.71	+113	GRAY/CLOUDY
8:16	4	4.0	0.25	61.10	6.32	22.0	<999.0	0.356	2.62	+116	GRAY/CLOUDY
8:20	5	5.0	0.25	61.10	6.32	22.0	<999.0	0.355	2.55	+118	GRAY/CLOUDY
8:24	6	6.0	0.25	61.10	6.32	22.1	160.8	0.355	2.68	+119	CLEAR

Purge Start Time	Purge End Time	Average Flow (LPM)	TOTAL LITER PURGED	Total TUBING Volumes Purged	80% Recovery Water Level Depth (C x .80) - B	Water Level at Sampling Time (ft-bmp)	Sample Collection Time	Sample Identification
8:00	8:24	0.25	7.0	6.0	66.63	61.10	8:30	AW0065UB-WG051007-0001
							8:40	AW0065UB-WG051007-0001

Notes: Flow cell 0.25 liter

Ferrous Iron: 0.08 mg/L

DISPOSED OF WATER IN COMPOUND

REMOVED TUBING FROM WELL AFTER PURGING - STORED IN COMPOUND

BOE-C6-0053964

Groundwater Sampling Data Sheet

TAIT Environmental Management, Inc

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Project Name: C-6 BASELINE MAY 2007	**Date:** 5/10/07
Project No.: EM 2727-01	**Prepared By:** LW
Well Identification: AW 0055UB	**Weather:** SUNNY - 80°F
Measurement Point Description: TOC NORTH	**Pump Intake:** 80' **Screen:** 69'-89'

Depth to LNAPL (ft-bmp)	A Depth to Static Water Level (ft-bmp)	B Well Total Depth (ft-bmp)	C Water Column Height (ft) (A – B = C)	LNAPL Thickness (ft-bmp)	E One (1) Casing Volume (gallons) (C XD=E)	Three (3) Casing Volumes (gallons) (E x 3)	½ Casing Volume (E /2)	Above Screen Volume (Top screen – DTW) x D	TUBING Volume (LITER)	½ screen Volume
---	1. 60.77 2. 60.77 3. 60.77	89.30	28.53	---	N/A	N/A	N/A	N/A	0.75	N/A

	Gallons/Foot			
Well Diameter (in)	0.75	2	4	6
D Gallons per foot of casing	0.02	0.16	0.65	1.47

Field Equipment: Solinst, Horiba

Purge Method: MONSOON LOW-FLOW PUMP

Well Condition: GOOD / NOW

Time	(LITER) INITIAL PURGED VOLUME	Volume Purged (LITER)	Flow Rate (LPM)	Water Level (ft-bmp)	Ph	Temperature (°C)	Turbidity (NTU)	Conductivity (S/M)	Dissolved Oxygen (mg/L)	ORP (mV)	Observations
1031	1	1.0	0.25	60.81	6.63	24.6	221.0	0.273	3.80	-135	BLACK / CLOUDY
1035	2	2.0	0.25	60.81	6.59	24.6	190.0	0.276	2.83	-130	BLACK / CLOUDY
1039	3	3.0	0.25	60.81	6.59	24.5	191.0	0.277	2.77	-131	CLEAR / GREY
1043	4	4.0	0.25	60.81	6.59	24.8	5.0	0.277	3.28	-133	CLEAR
1047	5	5.0	0.25	60.81	6.60	24.8	5.0	0.278	3.42	-134	CLEAR
1051	6	6.0	0.25	60.81	6.60	24.8	5.9	0.278	3.50	-134	CLEAR

Purge Start Time	Purge End Time	Average Flow (LPM)	TOTAL LITER PURGED	Total TUBING Volumes Purged	80% Recovery Water Level Depth (C x .80) - B	Water Level at Sampling Time (ft-bmp)	Sample Collection Time	Sample Identification
1027	1051	0.25	7.0	6	66.48	60.81	1100	AW0055UB_WG051007_0001

Notes: FLOWCAL 0.25 LITER Ferrous Iron = 0.00 mg/L DISPOSED OF WATER IN COMPOUND

BOE-C6-0053965

Groundwater Sampling Data Sheet

TAIT Environmental Management, Inc

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Project Name: C-6 BASELINE MAY 2007	**Date:** 5-10-07
Project No.: EM 2727-01	**Prepared By:** JA
Well Identification: AW0073C	**Weather:** SUNNY / COOL
Measurement Point Description: TOC NORTH	**Pump Intake:** 106' **Screen:** 96'-116'

Depth to LNAPL (ft-bmp)	A Depth to Static Water Level (ft-bmp)	B Well Total Depth (ft-bmp)	C Water Column Height (ft) (A – B = C)	LNAPL Thickness (ft-bmp)	E One (1) Casing Volume (gallons) (C XD=E)	Three (3) Casing Volumes (gallons) (E x 3)	½ Casing Volume (E /2)	Above Screen Volume (Top screen – DTW)x D	TUBING Volume (LITER)	½ screen Volume
---	1. 60.72 2. 60.72 3. 60.72	117.50	56.78	---	N/A	N/A	N/A	N/A	1.52	N/A

	Gallons/Foot			
Well diameter (in)	0.75	2	4	6
D Gallons per foot of casing	0.02	0.16	0.65	1.47

Field Equipment: Solinst, Horiba

Purge Method: MONSOON LOW-FLOW PUMP

Well Condition: GOOD

Time	(LITER) INITIAL PURGED VOLUME	Volume Purged (LITER)	Flow Rate (LPM)	Water Level (ft-bmp)	Ph	Temperature (°C)	Turbidity (NTU)	Conductivity (S/M)	Dissolved Oxygen (mg/L)	ORP (mV)	Observations
1324	1.0	1.75	0.43	61.00	5.5	24.5	990	0.12	6.0	-141	GREY/BAD ODOR
1328	2.0	3.5	0.43	61.00	5.4	24.2	990	0.14	5.0	-132	GREY/BAD ODOR
1332	3.0	5.25	0.43	61.00	5.4	24.4	990	0.13	4.3	-129	GREY/BAD ODOR
1336	4.0	7.00	0.43	61.00	5.4	24.2	170	0.12	3.6	-132	CLOUDY/BAD ODOR
1340	5.0	8.75	0.43	61.00	5.4	24.2	100	0.11	3.4	-136	CLEAR/BAD ODOR
1344	6.0	10.5	0.43	61.00	5.4	24.1	75	0.11	3.2	-140	CLEAR/BAD ODOR

Purge Start Time	Purge End Time	Average Flow (LPM)	TOTAL LITER PURGED	Total TUBING Volumes Purged	80% Recovery Water Level Depth (C x .80) - B	Water Level at Sampling Time (ft-bmp)	Sample Collection Time	Sample Identification
1320	1344	0.43	12	6.0	72.07	61.00	1345	AW0073C-WG057007-0001

Notes: * INITIAL COLOR GREY / HIGH TURBIDITY

DISPOSED OF WATER IN COMPOUND

Ferrous Iron : 0.00 mg/L

BOE-C6-0053966

Tait Environmental Management, Inc.

Instrument Calibration Sheet

Project Name: Boeing C-6 | **Project #:** EM 2701-02

Date	Time	Instrument Type	Instrument Serial No.	Calibration Method	TAPE / SOLINST		Horiba	Calibrated By
5/7/07	6:30	SOLINST	#44249	STEEL TAPE	25.00	25.04	N/A	JA, LW
5/8/07	6:30	SOLINST	#44249	STEEL TAPE	25.00	25.04	N/A	JA, LW
5/8/07	N/A	HORIBA	07-U22	BISCO	N/A	N/A	U-22	BISCO
5/9/07	6:30	SOLINST	#44249	STEEL TAPE	25.00	25.04	N/A	JA, LW
5/9/07	6:30	HORIBA	U-22-01	AUTO 4.0 DO 0%	N/A	N/A	N/A	JA
5/9/07	6:40	HORIBA	U-22-02	BISCO	N/A	N/A	U-22	BISCO
5/9/07	6:45	SOLINST	35566	STEEL TAPE	25.00	25.02	N/A	LW, JA
5/10/07	6:00	SOLINST	#44249	STEEL TAPE	25.00	25.04	N/A	LW/JA
5/10/07	6:10	SOLINST	35566	STEEL TAPE	25.00	25.02	N/A	LW/JA
5/10/07	6:20	HORIBA	U-22-01	AUTO 4.0 DO 0%	N/A	N/A	U-22	LW/JA
5/10/07	6:30	HORIBA	U-22-02	AUTO 4.0 DO 0%	N/A	N/A	U-22	LW/JA

BISCO Environmental

CERTIFICATION OF CALIBRATION

Manufacturer: HORIBA

Model: U22
Serial # U22-02

CALIBRATION DATA

GAS OR SOLUTION USED	STANDARD		POST-CAL READING
PH 4	pH buffer 4		4
COND	Auto cal 100-4		.452 S/cm
TURBIDITY	Auto cal 100-4		0 ntu
DO	zero & manual cal		9.09
TEMP	Auto cal 100-4		21.0 *C
SAL	Auto cal 100-4		20.00%
TDS	Auto cal 100-4		2.9 g/L
ORP	Auto cal 100-4		249 mV

GENERAL DATA

THIS INSTRUMENT HAS BEEN CALIBRATED IN ACCORDANCE WITH MANUFACTURER'S PROCEDURES AS DETAILED IN THE OPERATIONS MANUAL.

CALIBRATED FOR: TAIT
CALIBRATED BY: MIKE SOTA
DATE: 5/7/2007

1735 E.Wilshire Ave., Suite 805 Santa Ana, CA 92705 PH 714-547-7955 FX 714-242-9281

BISCO Environmental

CERTIFICATION OF CALIBRATION

Manufacturer: HORIBA

Model: U22
Serial # U22-01

CALIBRATION DATA

GAS OR SOLUTION USED	STANDARD		POST-CAL READING
PH 4	pH buffer 4		4
COND	Auto cal 100-4		.449 S/cm
TURBIDITY	Auto cal 100-4		0 ntu
DO	zero & manual cal		9
TEMP	Auto cal 100-4		20.°c
SAL	Auto cal 100-4		20.00%
TDS	Auto cal 100-4		2.9 g/L
ORP	Auto cal 100-4		269 mV

GENERAL DATA

THIS INSTRUMENT HAS BEEN CALIBRATED IN ACCORDANCE WITH MANUFACTURER'S PROCEDURES AS DETAILED IN THE OPERATIONS MANUAL.

CALIBRATED FOR: TAIT
CALIBRATED BY: MIKE SOTA

DATE: 5/7/2007

1735 E.Wilshire Ave., Suite 805 Santa Ana, CA 92705 PH 714-547-7955 FX 714-242-9281

Tait Environmental Management, Inc.

Engineering • Environmental • Compliance

Investigation Derived Waste (IDW) Inventory Record

Project Name: BOEING C-6 BASELINE MAY 2007 **Project No.:** EM-2727-01

Accumulation Date	Drum/Bin	Identifier	Waste Origination	Contents	Accumulation Amount	Container Location	Inventoried By	Labeled By
5/8/07	COMPOUND	WCC_6S	C-6	H_2O	50 GALLONS	COMPOUND	JA	JA
5/8/07	COMPOUND	EWB 001	C-6	H_2O	129 GALLONS	COMPOUND	JA	JA
5/8/07	COMPOUND	TMW_07	C-6	H_2O	10.5 GALLONS	COMPOUND	JA	JA
5/9/07	COMPOUND	AW0074UB	C-6	H_2O	9.0 liter	COMPOUND	JA	JA
5/9/07	COMPOUND	AW0075UB	C-6	H_2O	9.0 liter	COMPOUND	JA	JA
5/9/07	COMPOUND	AW0076UB	C-6	H_2O	9.0 liter	COMPOUND	JA	JA
5/9/07	COMPOUND	WCC-12	C-6	H_2O	66 GALLONS	COMPOUND	JA	JA
5/9/07	COMPOUND	AW0064UB	C-6	H_2O	9.0 liter	COMPOUND	LW	LW
5/10/07	COMPOUND	AW0073UB	C-6	H_2O	12.0 liter	COMPOUND	JA	JA
5/10/07	COMPOUND	AW0066UB	C-6	H_2O	6.0 liter	COMPOUND	JA	JA
5/10/07	COMPOUND	AW0067UB	C-6	H_2O	7.0 liter	COMPOUND	JA	JA
5/10/07	COMPOUND	AW0077UB	C-6	H_2O	7.0 liter	COMPOUND	JA	JA
5/10/07	COMPOUND	AW0055UB	C-6	H_2O	7.0 liter	COMPOUND	LW	LW
5/10/07	COMPOUND	AW0065UB	C-6	H_2O	7.0 liter	COMPOUND	LW	JA

BOE-C6-0053970

Tait Environmental Management, Inc.
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QA/QA Sample Identification Form

Project Name: BOEING C-6 BASELINE MAY 2007 **Project #:** EM-2727-01

Date	Time	QA/QC Sample Type (Duplicate, Field Blank, Equipment Blank, Split)	Sample ID	Sample Location	Primary Sample Reference	Analytical Method(s)	Organic-Free Water Source and Reference	Name	Comments
5/8/07	N/A	TRIP BLANK	TB_TAIT050807-0001	C-6	N/A	8260B	N/A	LW	
5/8/07	1045	EQUIP. BLANK	EB_TAIT050807-0001	C-6	N/A	SEE COC	N/A	LW	
5/8/07	1030	FIELD BLANK	FB_TAIT050807-0001	C-6	N/A	SEE COC	N/A	LW	
5/8/07	1100	DECON BLANK	DB_TAIT050807-0001	C-6	N/A	SEE COC	N/A	LW	
5/8/07	1043	WELL	WCC-6S_WG050807-0001	C-6	N/A	SEE COC	N/A	JA	
5/8/07	1344	WELL	EW13001_WG050807-0001	C-6	N/A	SEE COC	N/A	JA	
5/8/07	1526	WELL	TMW-07_WG050807-0001	C-6	N/A	SEE COC	N/A	JA	
5/9/07	N/A	TRIP BLANK	TB_TAIT050907-0001	C-6	N/A	8260B	N/A	LW	
5/9/07	1610	EQUIP BLANK	EB_TAIT050907-0001	C-6	N/A	8260B	N/A	LW	
5/9/07	1620	FIELD BLANK	FB_TAIT050907-0001	C-6	N/A	8260B	N/A	LW	
5/9/07	1630	DECON BLANK	DB_TAIT050907-0001	C-6	N/A	8260B	N/A	LW	
5/9/07	0803	WELL	AW0074UB_WG050907-0001	C-6	N/A	SEE COC	N/A	JA	
5/9/07	1258	WELL	AW0075UB_WG050907-0001	C-6	N/A	SEE COC	N/A	JA	
5/9/07	1432	WELL	AW0076UB_WG050907-0001	C-6	N/A	SEE COC	N/A	JA	
5/9/07	1059	WELL	WCC-12_WG050907-0001	C-6	N/A	SEE COC	N/A	JA	

BOE-C6-0053971

Tait Environmental Management, Inc.
Engineering • Environmental • Compliance

QA/QA Sample Identification Form

Project Name: BOEING C-6 BASELINE May 20007 **Project #:** EM-2727-01

Date	Time	QA/QC Sample Type (Duplicate, Field Blank, Equipment Blank, Split)	Sample ID	Sample Location	Primary Sample Reference	Analytical Method(s)	Organic-Free Water Source and Reference	Name	Comments
5/9	1601	WELL	AW00[illegible]C-WG050907-0001	C-6	N/A	SEE COC	N/A	JA	JA
5/10	N/A	TRIP BLANK	TB-TAIT051002-0001	C-1	N/A	8260B	N/A	CW	CW
5/10	1205	EQUIP BLANK	EB-TAIT051007-0001	C-1	N/A	8260B	N/A	CW	CW
5/10	1215	FIELD BLANK	FB-TAIT051007-0001	C-1	N/A	8260B	N/A	CW	CW
5/10	1225	DECON BLANK	DB-TAIT051007-0001	C-1	N/A	8260B	N/A	CW	CW
5/10	0724	WELL	AW006UB-WG051007-0001	C-1	N/A	SEE COC	N/A	JA	JA
5/10	0927	WELL	AW0067UB-WG051007-0001	C-1	N/A	SEE COC	N/A	JA	JA
5/10	1203	WELL	AW0077UB-WG051007-0001	C-1	N/A	SEE COC	N/A	JA	JA
5/10	1100	WELL	AW0055UB-WG051007-0001	C-1	N/A	SEE COC	N/A	CW	CW
5/10	830	WELL	AW0065UB-WG051007-0001	C-1	N/A	SEE COC	N/A	CW	CW
5/10	840	WELL	AW0065UB-WG051007-0002	C-1	N/A	SEE COC	N/A	CW	CW
5/10	1345	WELL	AW0073UB-WG051007-0001	C-1	N/A	SEE COC	N/A	JA	JA

BOE-C6-0053972

GUAGING SHEET BATING C-6

Mon., May 7, 2007

WELLS	DTW	DTB	COMMENTS
TMW-07	61.43	82.60	2" GOOD
WCC-6S	59.97	84.83	4" GOOD
WCC-12S	58.69	91.77	4" GOOD
EWB001	60.37	88.77	6" GOOD (NO TUBING)
AW 0055 UB	60.70	89.30	2" GOOD (NO TUBING)
AW 0064 UB	60.48	87.70	2" GOOD (NO TUBING)
AW 0065 UB	60.85	89.44	2" GOOD (NO TUBING)
AW 0066 UB	61.20	90.15	2" GOOD (NO TUBING)
AW 0067 UB	61.24	88.59	2" GOOD (NO TUBING)
AW 0074 UB	59.95	88.55	2" GOOD/NEW (NO TUBING) ; 1 OF THE BOLTS DAMAGED & REMOVED
AW 0075 UB	60.49	89.08	2" GOOD/NEW (NO TUBING)
AW 0076 UB	61.00	88.57	2" GOOD/NEW (NO TUBING)
AW 0077 UB	61.23	83.45	2" GOOD/NEW (NO TUBING)
AW 0073 C	60.57	117.50	2" GOOD/NEW (NO TUBING) DTB 100+