FIELD DATA REPORT

September 2007 Semiannual and Quarterly Groundwater Monitoring Event
And September 2007 Former Building 1/36 WDR
Performance Monitoring Event (Round 1)
Boeing Realty Corporation
Former C-6 Facility
Torrance, California
September 2007

Prepared by:

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

October 2, 2007

Tait Environmental Management, Inc.
Engineering • Environmental • Compliance

October 2, 2007

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

Subject: Field Data Report for the September 2007 Semiannual and Quarterly Groundwater Monitoring Event and September 2007 Former Building 1/36 WDR Performance Monitoring (Round 1) Sampling Event, 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 September 2007 Semiannual and Quarterly Groundwater Monitoring Event and Former Building 1/36 WDR Performance Monitoring (Round 1) Sampling Event, Boeing Realty Corporation (BRC), Former C-6 Facility, Torrance, California (Site). The Groundwater Monitoring and Sampling activities were performed in accordance with the following:

September 2007 Semiannual and Quarterly Groundwater Monitoring Sampling and Analysis Plan by CDM for Boeing Realty Corporation (BRC), dated September 2007.

September 2007 WDR Performance Monitoring (Round 1) Sampling and Analysis Plan, Former Building 1/36, by CDM for Boeing Realty Corporation (BRC), dated September 2007.

Table 1: September 2007 Semiannual and Quarterly Groundwater Monitoring Sampling and Analysis Plan Former C-6 Facility Site, Los Angeles, California, from CDM, dated September 2007.

Figure 1: Boeing Realty Corporation Former C-6 Facility Groundwater Monitoring Wells September 2007 Semiannual and Quarterly Sampling Event, Former C-6 Facility Site, Los Angeles, California, from CDM, dated September 2007.

Table 1: WDR Performance Monitoring (Round 1) Sampling Plan, Former Building 1/36, Former C-6 Facility Site, Los Angeles, California, from CDM, dated September 2007.

Figure 1: Boeing Realty Corporation Former C-6 Facility Monthly Performance Monitoring-Round 1 Pilot System Performance Monitoring Location, Former Building 1/36, Former C-6 Facility Site, Los Angeles, California, from CDM, dated September 2007.

The following is a brief summary of our field activities:

- A total of 62 monitoring wells were gauged for depth to water and total depth on September 27th and September 28th 2007, due to inaccessibility, monitoring wells, XMW-09 and XMW-19 were not gauged (no gauging on monitoring well, EWB01 as this well is an extraction well) as part of the September 2007 Semiannual and Quarterly Groundwater Monitoring Sampling and Analysis Plan. These monitoring wells were also inspected during gauging and sampling activities for any damage or missing materials. A total of 63 monitoring wells were reported to be in good condition.

- A total of 36 monitoring wells were purged and sampled between September 13th, 2007 and September 20th, 2007 as part of the September 2007 Semiannual and Quarterly Groundwater Monitoring Sampling and Analysis Plan. A total of 1 monitoring well (WCC_12S) was purged and sampled on September 21st, 2007 as part of the September 2007 Former Building 1/36 WDR Performance Monitoring (Round 1) Sampling and Analysis Plan. These monitoring wells were purged and sampled using a Grundfos electrical submersible pump, Monsoon pump (low flow), Horiba water tester with flow through cell, YSI meter and a Solinst water level meter. Seven wells were purged using the low flow purging technique (Monsoon pump) and thirty wells were purged using the regular purging technique (Grundfos pump). Laboratory Task Orders and Pre-field Checklist are included in Appendix A. Field instruments were calibrated daily in the field and the calibration data sheets and material safety data sheets for field instrument calibration are included in Appendix B.

- A turnaround time of 10 days was requested for lab analysis of most of the samples, except for a rush turnaround time was requested for lab analysis of the samples of MWG002.

- Purge water (1,510 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 – September 2007 Semiannual and Quarterly Groundwater Monitoring Sampling and Analysis Plan, September 2007 WDR Performance Monitoring (Round 1) Sampling and Analysis Plan, Laboratory Task Orders 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, Material Safety Data Sheets, Investigation Derived Waste (IDW) Inventory Record, QA/QC Sample Identification Forms and Gauging Data Sheets

BOE-C6-0055804

September 2007
Semiannual and Quarterly Groundwater Monitoring Sampling and Analysis Plan
Former C-6 Facility, Boeing Realty Corporation
Los Angeles, California

Table 1 presents the details of the September 2007 groundwater monitoring round for the Site, which includes:

- The semiannual groundwater monitoring event performed at a reduced number of groundwater monitoring wells as indicated in Table 1 and shown on Figure 1.
- Fourth round of quarterly sampling for five of the six monitoring wells installed in 2006 (remaining well EWB001 will be used as an extraction well during the upcoming Building 1/36 pilot test and will be sampled by others as part of system operation).

All wells will be gauged prior to collecting groundwater samples to determine static water levels and total well depth. The September 2007 semiannual and quarterly monitoring well locations are shown on Figure 1. Groundwater samples will be collected from these wells for field testing and laboratory analysis as shown on Table 1. Except as noted below, all purging and sampling procedures, including quality assurance (QA) and data validation, will be as described in the 2007 Groundwater Monitoring Work Plan (CDM, February 5, 2007).

Low-Flow Monitoring

For select monitoring wells in the Building 2 area (as indicated in Table 1), low-flow purging 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 well such that drawdown is less than 0.3 foot. Samples collected from each well will be tested for biogeochemical parameters using a YSI unit, field test kits, and fixed-base laboratory analyses. The YSI unit or equal, with 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]) and hydrogen sulfide for the WDR wells as shown on Table 1. 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.

Table 1
September 2007 Semiannual and Quarterly Groundwater Monitoring
Sampling and Analysis Plan
Boeing Reality Corporation, Former C-6 Facility
Los Angeles, California

Well ID	Water Bearing Unit	Sampling Order	Sampling Method	Field and Laboratory Analyses				Data Validation [4]		
				Water Level Gauging	VOCs (8260B) [1]	Field Parameters and measurements [2]	Dissolved Gases [3]	Tier 1	Tier 2	Tier 3
B-Sand Monitoring Wells										
BL-03	B-Sand	5	Standard	x						
DAC-P1	B-Sand	6	Standard	x						
EWB001	B-Sand	7		NO GAGING OR SAMPLING AS THIS WELL IS AS AN EXTRACTION WELL						
EWB002	B-Sand	8	Low Flow	To be gaged and sampled as part of the B136 Performance Monitoring Round						
IRZB0081	B-Sand	9		x						
IRZB0095	B-Sand	10		x						
IRZMW001A	B-Sand	14		x						
IRZMW001B	B-Sand	16		x						
IRZMW002A	B-Sand	17		x						
IRZMW002B	B-Sand	18		x						
IRZMW003A	B-Sand	21		x						
IRZMW003B	B-Sand	22		x						
IRZMW004	B-Sand	23		x						
IRZMW005	B-Sand	27		x						
MW0005	B-Sand	47		x						
MWB003	B-Sand	61		x						
MWB006	B-Sand	55		x						
MWB007	B-Sand	53	Standard	x	x	x		x		
MWB012	B-Sand	37		x						
MWB013	B-Sand	7	Standard	x	x	x				
MWB014	B-Sand	33		x						
MWB019	B-Sand	31	Standard	x	x	x			x	
MWB020	B-Sand	17	Standard	x	x	x				
MWB027	B-Sand	39	Standard	x	x	x				
MWB028	B-Sand	43		x						
TMW_04	B-Sand	46		x						
TMW_06	B-Sand	28		x						
TMW_07	B-Sand	52	Low Flow	To be gaged and sampled as part of the B136 Performance Monitoring Round						
TMW_08	B-Sand	54		x						
TWM_10	B-Sand	10	Standard	x	x	x				
TMW_11	B-Sand	9	Standard	x	x	x				
TMW_14	B-Sand	8	Standard	x	x	x				
TMW_15	B-Sand	16	Standard	x	x	x				
WCC_3S	B-Sand	35	Standard	x	x	x			x	
WCC-4S	B-Sand	44	Standard	x	x	x				
WCC_5S	B-Sand	5	Standard	x	x	x				
WCC_6S	B-Sand	45	Low Flow	To be gaged and sampled as part of the B136 Performance Monitoring Round						
WCC_7S	B-Sand	30	Standard	x	x	x				
WCC_9S	B-Sand	21	Standard	x	x	x				
WCC_12S	B-Sand	27	Low Flow	To be gaged and sampled as part of the B136 Performance Monitoring Round						
XMW-09	B-Sand	22	Standard	x	x	x				
XMW-19	B-Sand	6	Standard	x	x	x				

Table 1
September 2007 Semiannual and Quarterly Groundwater Monitoring
Sampling and Analysis Plan
Boeing Reality Corporation, Former C-6 Facility
Los Angeles, California

Well ID	Water Bearing Unit	Sampling Order	Sampling Method	Field and Laboratory Analyses				Data Validation [4]		
				Water Level Gauging	VOCs (8260B) [1]	Field Parameters and measurements [2]	Dissolved Gases [3]	Tier 1	Tier 2	Tier 3
C-Sand Monitoring Wells										
CMW001	C-Sand	3	Low Flow	x	x	x	x			
CMW002	C-Sand	34	Low Flow	x	x	x	x			
CMW026	C-Sand	24	Low Flow	x	x	x	x			
EWC001	C-Sand	62	Standard	x	x	x		x		
EWC002	C-Sand	60	Standard	x	x	x				
IRZCMW001	C-Sand	50	Low Flow	x	x	x	x			
IRZCMW002	C-Sand	11	Low Flow	x	x	x	x			x
IRZCMW003	C-Sand	64	Low Flow	x	x	x	x			
IWC001	C-Sand	56	Standard	x	x	x				
IWC002	C-Sand	59	Standard	x	x	x				
MWC004	C-Sand	26	Standard	x	x	x				
MWC006	C-Sand	2		x						
MWC007	C-Sand	1	Standard	x	x	x				
MWC009	C-Sand	25	Standard	x	x	x				
MWC011	C-Sand	19		x						
MWC015	C-Sand	51		x						
MWC016	C-Sand	49		x						
MWC017	C-Sand	48	Standard	x	x	x				
MWC021	C-Sand	12	Standard	x	x	x				
MWC022	C-Sand	20	Standard	x	x	x				
MWC023	C-Sand	40	Standard	x	x	x				
MWC024	C-Sand	57	Standard	x	x	x				
Gage Monitoring Wells										
MWG001	Gage	15	Standard	x	x	x				
MWG002	Gage	32	Standard	x	x	x				
MWG003	Gage	4		x						
MWG004	Gage	13		x						
Quality Control Samples [5]										
Duplicates (1 per 20 wells)					x (2)					
Rinseate Blanks (1 per day)					x (8)					
Trip Blanks (1 per day)					x (8)					

Notes:

[1] VOCs = Volatile organic compounds by EPA Method 8260B
[2] Field Parameters = pH, Dissolved oxygen (DO), oxidation-reduction potential (ORP), turbidity, Electrical Conductivity (EC), temperature, and ferrous iron.
[3] Dissolved gases (ethane, ethane and methane) by RSK 175
[4] Approximately 10 percent of the laboratory data for the primary samples will be selected randomly for data validation as follows.
55% - EPA Tier 1 validation (2 samples this event)
40% - EPA Tier 2 validation (2 samples this event)
5% - EPA Tier 3 validation (1 sample this event)
[5] Quality control sample number based on estimated number of sampling days.

190th Street
MWB020
PARCEL A
MWB007
MWC007
WCC_03S
MWC022
MWB027
WCC_04S
MWC023
WCC_05S
EWC001
WCC_07S
Normandie Avenue
MWC004
WCC_12S*
Knox Street
MWB013
WCC_09S
MWC009
PARCEL B
PARCEL C
MWG001
TMW_10
TMW_15
MWC021
IWC002
IRZCMW001
CMW026
IRZCMW003
XMW_19
Harborgate Way
IWC001
MWG002
MWC024
IRZCMW002
EWC002
TMW_11
TMW_14
CMW001
MWB019
MWC017
Francisco Street
XMW-09
CMW002
PARCEL D
100 0 100 200
Feet

* Sampled as part of B136 WDR Monitoring.

August 24, 2007

CDM

Legend

- Property Boundary
- Parcel Boundary
- Montrose Monitoring Well
- C-Sand IRZ Bioremediation Monitoring Well
- B-Sand Monitoring Well
- C-Sand Monitoring Well
- Gage Monitoring Well
- B-Sand Observation Well
- C-Sand Observation Well

N

Figure 1

Boeing Realty Corporation
Former C-6 Facility

Groundwater Monitoring Wells September 2007 Semiannual and Quarterly Sampling Event

September 2007
WDR Performance Monitoring (Round 1)
Sampling and Analysis Plan
Former Building 1/36
Former C-6 Facility, Boeing Realty Corporation
Los Angeles, California

Table 1 presents the details of the WDR Performance Monitoring (Round 1) for 10 select Former Building 1/36 area wells, as required under the Monitoring Reporting Program NO. C1-XXXX (File NO. 95-036) for the upcoming Former Building 1/36 pilot biorecirculation test. This monitoring round is planned to be conducted on or around September 10, 2007 (subject to change based on the results of the pilot test, which is planned for start up the week of August 27) to allow for stabilization of the recirculation system PRIOR to any injections of electron donor. CDM will be monitoring the field conditions to promptly notify Tait of any modifications to the schedule.

All wells will be gauged prior to collecting groundwater samples to determine static water levels and total well depth. The well locations are shown on the attached Figure 1. Except as modified below, all procedures, including quality assurance (QA) and data validation, will be as described in the 2007 Groundwater Monitoring Work Plan (CDM, February 5, 2007).

Field Procedures

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 kit will be used to measure ferrous iron (Fe [II]). 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.

Table 1
WDR Performance Monitoring (Round 1) Sampling Plan
Former Building 1/36
Boeing Reality Corporation, Former C-6 Facility
Los Angeles, California

Well ID	Water Bearing Unit	Sampling Order	Sampling Method	Field and Laboratory Analyses						Data Validaion
				Water Level Gauging	VOCs (8260B) [1]	Field Parameters and measurements [2]	Total Organic Carbon and Volatile Fatty Acids [3,4]	Dissolved Gases and Minerals [5,6]	qPCR and Rdase genes (tceA, vcrA, and bvcA) [7]	
AW0055UB	B-Sand	7	Low Flow	x	x	x	x	x	x	
AW0074UB	B-Sand	9	Low Flow	x	x	x	x	x	x	
AW0075UB	B-Sand	5	Low Flow	x	x	x	x	x	x	
AW0076UB	B-Sand	1	Low Flow	x	x	x	x	x	x	
AW0077UB	B-Sand	4	Low Flow	x	x	x	x	x	x	
AW0073C	C-Sand	3	Low Flow	x	x	x	x	x	x	
TMW_07	B-Sand	8	Low Flow	x	x	x	x	x	x	
WCC_6S	B-Sand	6	Low Flow	x	x	x	x	x	x	
WCC_12S	B-Sand	2	Low Flow	x	x	x	x	x	x	
EWB002	B-Sand	10	Low Flow	x	x	x	x	x	x	x [8]
Quality Control Samples [9]										
Duplicates (1 per 20 wells)					x (1)					
Rinseate Blanks (1 per day)					x (2 or 3)					
Trip Blanks (1 per day)					x (2 or 3)					

Notes:

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

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

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

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

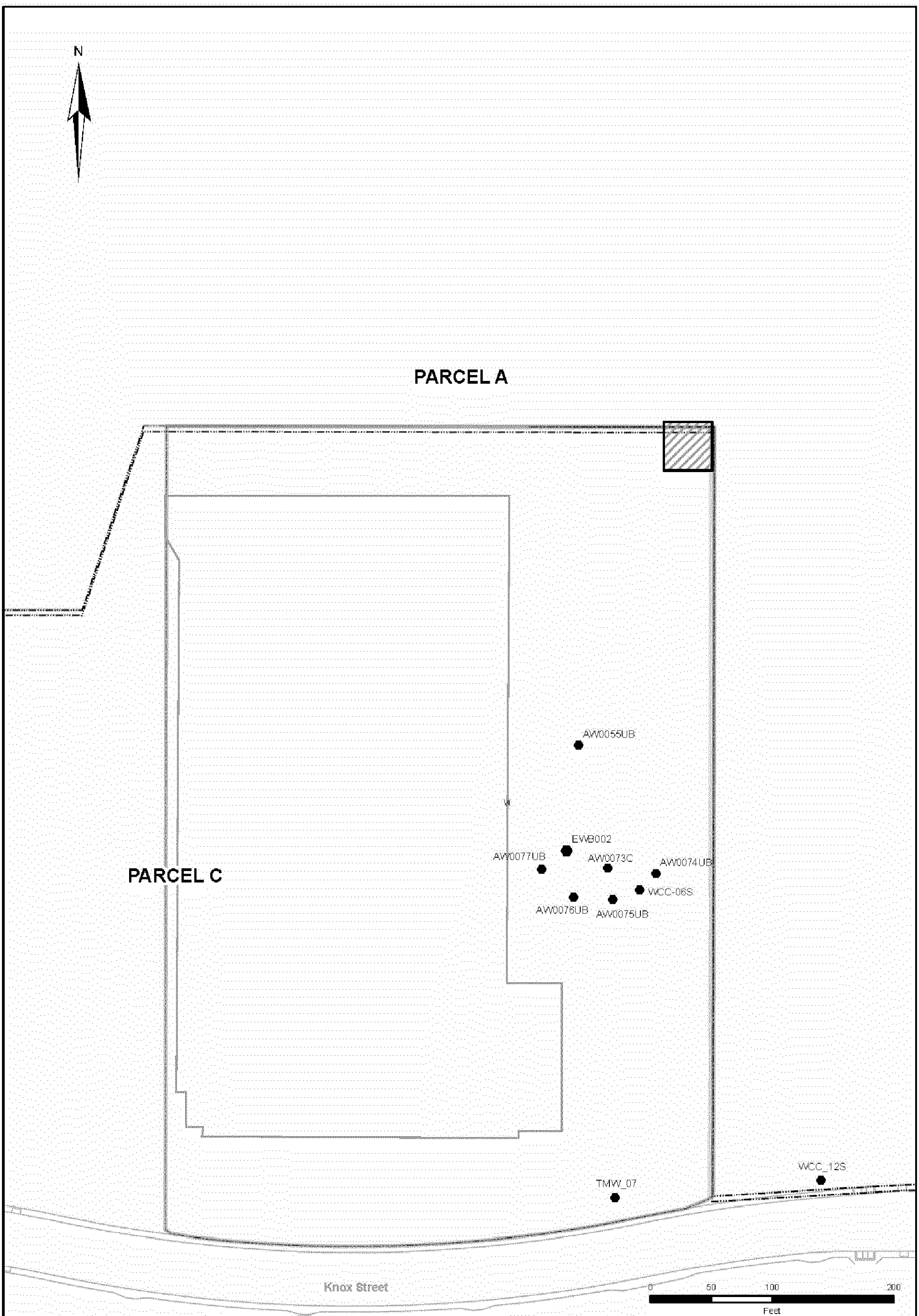
[5] Dissolved gases (ethane, ethane and methane) by RSK 175

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

[7] 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) - By Northwind Environmental

[8] Perform EPA Tier 3 validation on this sample for all analysis EXCEPT for qPCR/Genes analysis

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



July 30, 2007
May 23, 2007

Legend

- Existing Compound
- Lot 8 Boundary
- Parcel Boundary
- Property Boundary

CDM

Boeing Realty Corporation
Former C-6 Facility

Monthly Performance Monitoring—Round 1
Pilot System Performance Monitoring Locations
Former Building 1/36

Figure 1

LABORATORY TASK ORDER (LTO) FORM

INSTRUCTIONS: To be completed by Environmental Contractor & Emailed to Laboratory Project Manager, CH2M HILL (boeingedms@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: *September 2007 Semiannual and Quarterly Groundwater Monitoring, Former C-6 Facility, Torrence* **Start:** 9/13/2007 **End:** 9/21/2007

LTO DATE: 30-Aug-07 **LTO NUMBER:** LTO-C6SemiA&Q083007

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: 08/30/07
09/13-21/2007
4:30:00 PM
Date Sample Pickup: (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: 36 Est. Total # of EDDs 6

Requested Analyses: (Specify # of Samples)

	Water	Soil	Vapor
EPA 8015M (GRO)			
EPA 8015M (DRO)			
EPA 8015M (JET FUEL)			
EPA 8015M (CC)			
EPA 8260B (VOC)	52		
TOC (415.1) and Volatile Fatty Acids by IC			
DHGs: (ethane, ethene and methane) (RSK-175)	8		
CO2 (SM4500-C)			
Sulfate, nitrite, nitrate, and chloride (by EPA 300)			
qPCR (Dehalococcoides Bacteria)			
Total Alkalinity (310)			
Rdase Gnes (tceA, vcrA, and bvcA)			
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:
cboeru@tait.com/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 Package: _____ (Boeing Tier I, II or III)

SPECIAL INSTRUCTIONS/LTO NOTES (PLEASE READ)

PLEASE INCLUDE: TRIP BLANKS (1 PER DAY), TEMPERATURE BLANKS (1 PER DAY), RINSEATE BLANKS (1 PER DAY), DUPLICATE (2 SET), COOLERS, AND DI WATER 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: 08/30/07

LTO Received By:
Name: _____
Date: _____

LABORATORY TASK ORDER (LTO) FORM (PAGE 2)

ADDITIONAL REQUIRED ANALYSES

LTO DATE: 30-Aug-07 **LTO NUMBER:** LTO-C6SemiA&Q083007

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			

LABORATORY TASK ORDER (LTO) FORM

INSTRUCTIONS: To be completed by Environmental Contractor & Emailed to Laboratory Project Manager, CH2M HILL (boeingedms@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: *WDR Performance Monitoring (Round 1) Sampling Plan, Former Building 1/36, Former C-6 Facility, Torrance* **Start:** 9/11/2007 **End:** 9/12/2007

LTO DATE: 30-Aug-07 **LTO NUMBER:** LTO-C6WDR083007

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: 08/30/07
09/11-12/2007
4:30:00 PM
Date Sample Pickup: (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: 11 Est. Total # of EDDs 3

Requested Analyses: (Specify # of Samples)

	Water	Soil	Vapor
EPA 8015M (GRO)			
EPA 8015M (DRO)			
EPA 8015M (JET FUEL)			
EPA 8015M (CC)			
EPA 8260B (VOC)	18		
TOC (415.1) and Volatile Fatty Acids by IC	12		
DHGs: (ethane, ethene and methane) (RSK-175)	12		
CO2 (SM4500-C)			
Sulfate, nitrite, nitrate, and chloride (by EPA 300)	12		
qPCR (Dehalococcoides Bacteria)	12		
Total Alkalinity (310)	12		
Rdase Gnes (tceA, vcrA, and bvcA)	12		
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:
cbcaru@tait.com/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 Package.: _____ (Boeing Tier I, II or III)

SPECIAL INSTRUCTIONS/LTO NOTES (PLEASE READ)

PLEASE INCLUDE: TRIP BLANKS (1 PER DAY), TEMPERATURE BLANKS (1 PER DAY), RINSEATE BLANKS (1 PER DAY), DUPLICATE (1 SET), COOLERS, AND DI WATER 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: 08/30/07

LTO Received By:
Name: _____
Date: _____

LABORATORY TASK ORDER (LTO) FORM (PAGE 2)

ADDITIONAL REQUIRED ANALYSES

LTO DATE: 30-Aug-07 **LTO NUMBER:** LTO-C6WDR083007

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:	**1.** September 2007 Semiannual and Quarterly Groundwater Monitoring Event **2.** WDR Performance Monitoring (Round 1) Sampling Event
Date:	9/7/07
Field Work Start Date:	9/12/07

Contact Information:

Consultant/Contractor (Person & phone #)

Project Manager	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

Boeing

Project Managers	Robert Scott 562-497-6176 Joe Weidmann (H&A) 805-451-2320 (cell)
Technical Specialist	Ravi Subramanian (CDM) 949-752-5452
Facility Contact: South of Knox	Sunrider Property: Gary Koerner and Tony Mok (notified by CDM per August 30, 2007 "Technical Memorandum – Notification And Disclosure Requirements" by Haley &Aldrich) Montrose: Robert Neuman (Earth Tech) 562-951-2348 ILM: Ron Giraudi (TRC) 949-727-9336 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
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)

Work Plans

☒ Work Plan prepared for work? *Yes*

☒ Name of Work Plan & Date. *Groundwater Monitoring Work Plan 2007, Former C-6 Facility , 19503 South Normandie Avenue, Los Angeles, California, February 5, 2007; September*

2007 Semiannual and Quarterly Groundwater Sampling and Analysis Plan and September 2007 WDR Performance Monitoring (Round 1) Sampling and Analysis Plan

Was Work Plan Submitted to a regulatory Agency for approval? Yes

Was approval received? *Yes* Date: *March 7, 2007 (Workplan) and August 10, 2007 (WDR)*

☒ Is Work Plan latest version? *Yes*

☒ Type of Work to be performed? *Groundwater gauging, sampling and monitoring per the Work Plan and the WDR Monitoring Program and Internal Sampling Plans*

Technical/Site-Specific

☒ Have work locations been marked? *Yes* Date:

☒ Are there any obstacles to performing work? *Yes, operating facility and construction activities south of Knox St.*

☒ If yes-method to clear obstacles? *Notification to tenants and property owners, site walk and coordination with tenants and property owners.*

Health & Safety

☒ Health & Safety Plan Submitted to Agency? *Yes (Project Health And Safety Plan, March 7, 2007)*

☒ 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: *Daily Meetings prior to work*
Worker Safety, Equipment Safety, Vehicular Safety

☒ Daily Tailgate/Safety Briefings *Yes, mornings*

☒ 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, notified by CDM per August 30, 2007 "Technical Memorandum – Notification And Disclosure Requirements" by Haley &Aldrich* (notification sent to tenants and property owners prior to 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? *Yes, written and verbal notification and communication with property owners and tenants to minimize disruptions to site operations.*

Are there special work hours per the access agreement? *Yes, 6 a.m. - 3 p.m.*

- ☒ 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?
- ☐ 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, MRP No. CI-9310, Order No. R4-2007-0040*

Drilling Permit

☒ WDR/Waste Discharge Permit Individual WDR Permit

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?** ***Yes***

☒ 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? *No*

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. *1,200 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 *Disposed of at the end of each sampling day*

Other

☒ Has Boeing Waste Specialist been notified? *Yes* Who? *Scott Lattimore and Dennis Carlson*

☐ Have proper containers been coordinated through Boeing Waste Specialist? *Yes ,liquid waste stored at treatment system area*

☐ 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). 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 and TestAmerica of Sampling Schedule.

☐ Other

Schedule

☒ Scheduled start date of field work *09/12/07*

☒ Expected duration of field work *13 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**
Revision 1: **Narcisa Clara Boeru (September 7, 2007)**

Tait Environmental Management, Inc.

DAILY FIELD REPORT

Project Name: C-6 TORRANCE	**Project #:** 2727-01	**Date:** 9-12-07
Personnel: J. ARMENDARIZ	**Sub Contractors:**	

Task: PREP FOR SAMPLING EVENT.

Time Arrived at Site:	**Time Left Site:**	**Total Hours at Site:**
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 #: 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 TORRANCE	Project #: 272201	Date: 9-12-07

0730 ARRIVED AT C-1 LONG BEACH & MET WITH LESTER TO DISCUSS THE DAILY SCHEDULE.

- LOADED FOUR 55 GL DRUMS FROM SITE ON TO MY TRUCK AND TOOK THEM TO TORRANCE.

0840 ARRIVED AT TORRANCE

- BEGAN CLEANING UP AREA FROM PLASTIC BAGS SCATTERED ALL OVER COMPOUND
- ALSO CLEANED AND SWEPT COMPOUND AREA.

1000 LEFT FOR OFFICE

1030 ARRIVED AND PICKED UP YSI, COOLER W/ VOA'S & SOME BORER WORK.

- LEFT FOR TES WARE HOUSE TO PICK UP 3-PUMPS, 2- U-22'S, 2- CONTROL BOXES, AND 6- BUCKETS. AND THEN LEFT.

1200 ARRIVED AT TEM WAREHOUSE TO TEST EQUIPMENT.

- RAN ALL THREE PUMPS WITH PUMP SUBMERGED IN A PLASTIC 5 GL BUCKET FOR TEN MINUTES USING BOTH GRUNDFOS CONTROLL BOXES.
- I INCREASED SPEED FROM 25 TO 160 MHZ FOR 10 MINUTES A PEICE. ALL EQUIPMENT WORKED. COMPLETELY.

1300 ENDED

BOE-C6-0055822

Tait Environmental Management, Inc.

Engineering • Environmental • Compliance

DAILY FIELD REPORT

Project Name: C-6 SEPT, 07 EVENT	**Project #:** EM-2727	**Date:** 9/13/07
Personnel: CW, JA	**Sub Contractors:** NONE	

Task: GW PURGING AND SAMPLING

Time Arrived at Site: 600	**Time Left Site:**	**Total Hours at Site:**
Odometer (Start): /	**Odometer (End):** /	**Total Miles:** /

Equipment List:

- [x] Solinst Water Level Meter Serial #: TAIT #04
- [ ] Solinst Water/Product Level Interface Meter Serial #: _____
- [x] Horiba U-22 Water Quality Meter Serial #: #01
- [ ] PID/FID Type: _____ Serial #: _____
- [x] Submbersible Pump Type: GRUNDFOR Serial #: TAIT #001
- [ ] Generator Type: _____ Serial #: _____
- [x] Company Truck License #: FORD 4X4
- [ ] 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.)

500 - P/U ICE AND WATER
600 ARRIVED AT SITE. GEORGE ON SITE.
I SET UP STARTED CALIBRATING YSI METER.
ELECTRIFYING CALIBRATED.

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

Page ___ of ___

Tait Environmental Management, Inc.

Engineering • Environmental • Compliance

Project Name: BOEING C6 SEPT 07 EVENT	Project #: EM-2727	Date: 9/13/07

COULDN'T GET CONDUCTIVITY TO CALIBRATE. CALLED EQUIPCO. WENT THRU STEPS. NO LUCK. WE CAME TO CONCLUSION THAT CONDUCT. SENSOR WENT BAD. TALK TO CLARA. SHE DECIDED TO USE BOTH HORIBA CALLED EQUIPCO BACK ORDERED SENSOR AND CALIBATION SOLUTIONS.

I CALIBRATED BOTH HORIBA'S. GEORGE SET-UP ON WELL. NO HOSE. I TOLD HIM TO GO TO NEXT WELL. I WENT TO GRAINGER P/U 2 BOXES OF TUBING. BACK TO SITE.

I SET UP ON 1ST WELL MWC004.
FINISHED AT 1100. CLEANED UP
WENT TO NEXT WELL. MWB027. FINISHED AT 1200. CLEANED UP. WENT TO NEXT WELL WCC-07S. TO MUCH TRAFFIC. P/U PAPERWORK FOR GEORGE'S LAST WELL MWC022. SET UP STARTED ON MWC022 AT 1240.
FINISHED AT 1330. CLEANED UP. DECON STARTED ON WCC-07S. 1445.
FINISHED AT 1530. CLEANED UP UNLOADED TRUCK DECON EQUIPMENT. SET UP AT 1630 STARTED TAKING FERROUS IRON READINGS. ALSO MADE UP TRIP BLANKS & RINSATE BLANK
CLEANED UP LEFT AT 800

Tait Environmental Management, Inc.

Engineering • Environmental • Compliance

Project Name: Boeing C-6 SEPT SAMPLING EVENT.	Project #: EM.2727	Date: 9/11/07

12:00 ARRIVED AT OFFICE. MEETING W/ CLARA AND CARMON
WENT OF SAMPLING ORDER. MADE UP GUAGING SHEET.
CARMON GAVE PAPERWORK TO GEORGE. CARMON WILL
MAKE UP OTHER PAPERWORK FOR TOMMORROW. CLARA
FINISHED GUAGING SHEET. WE HAVE THE ORDER OF
13 WELLS. SAMPLING 9/13 -9/14. I WILL GUAGE
25 WELLS ON 9/12. LEFT OFFICE AT 1630
P/U UP WATER COVER AND BUCKET. FROM
WAREHOUSE. ARRIVED HOME AT 1830.
CLARA CALLED 1900. GUAGING EVENT CANCELLED
CHARGED 6.5 HRS

Page ___ of ___

BOE-C6-0055825

Tait Environmental Management, Inc.

Engineering • Environmental • Compliance

Project Name: BOEING C-6 SEPT EVENT	Project #: EM-2727	Date: 9/12/07

1300 ARRIVED AT OFFICE - P/U PAPERWORK MEETING W/ CLARA. ABOUT SAMPLING. WENT TO WAREHOUSE TO P/U HACH MOTOR. DROVE TO SITE TO DROPPED OFF EQUIPMENT. ARRIVED AT 1800

SYSTEM WAS DOWN.

Tait Environmental Management, Inc.

Project Name: FORMER C-6	Project #: 2727-01	Date: 9-13-07

0600 ARRIVED ON SITE AND LOADED EQUIPMENT ON TO TRUCK

- HAD PROBLEMS CALIBRATING YSI

0900 ARRIVED AT WELL MWC-007 AND SET-UP

- BEGAN FISHING OUT TUBING BECAUSE THERE WAS NONE PRESENT.

0930 CALLED LESTER

- HE TRIED AS WELL, (NO TUBING). HE SUGGESTED I MOVE TO NEXT WELL.
- I PICKED UP EQUIPMENT & DROVE TO COMPOUND TO DECON PROBE.

1030 ARRIVED AT WELL WCC-5S AND SET-UP.

1101 BEGAN PURGING (64 GAL). WELL

1232 SAMPLED WELL

1338 BEGAN PURGING WELL MWC 007 (86 GAL)

- ADDED NEW TUBING

1446 SAMPLED WELL.

1544 BEGAN PURGING WELL MWB020 (63 GAL.)

1621 SAMPLED WELL

BOE-C6-0055827

Tait Environmental Management, Inc.

DAILY FIELD REPORT

Project Name: C6 SEPT 07 EVENT	**Project #:** EM-2727	**Date:** 9/14/07
Personnel: LW	**Sub Contractors:** NONE	

Task: GW PURGING AND SAMPLING

Time Arrived at Site: 600	**Time Left Site:**	**Total Hours at Site:**
Odometer (Start): /	**Odometer (End):** /	**Total Miles:** /

Equipment List:

- [x] Solinst Water Level Meter Serial #: TAT #4
- [ ] Solinst Water/Product Level Interface Meter Serial #: _____
- [x] Horiba U-22 Water Quality Meter Serial #: TAT # 2
- [ ] PID/FID Type: _____ Serial #: _____
- [ ] Submbersible Pump Type: _____ Serial #: _____
- [ ] Generator Type: _____ Serial #: _____
- [x] Company Truck License #: FORD 4X4
- [ ] 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.)

500 P/U ICE.
600 ARRIVED ON SITE. TAILGATE MEETING
CALIBRATED EQUIPMENT.
GAUGE GEORGE 3 WELLS.

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

Page ___ of ___

BOEWG C-6 SEPT 07 EVENT. 9/14/07

LOADED UP MY TRUCK. FINISHED UP PAPERWORK. SETUP ON WELL WCC-035. STARTED PURGING AT 7:50 FINISHED AT 825 SAMPLED 826. CLEANED UP. BACK TO COMPOUND. TRANSFER WATER DECON EQUIPMENT.

SET UP ON MWC023. STARTED PURGING AT 920 FINISHED AT 1006 1008 SAMPLED. CLEANED UP BACK TO COMPOUND. DECON EQUIPMENT STORED EQUIPMENT IN COMPOUND FOR NEXT WEEK. SET UP TO TAKE FERROUS IRON AND HYDROGEN READINGS. FINISHED AT 1305 CLEANED UP DRAFT TO ENVIRO SUPPLY TO DROPPED OFF HORIBA'S FOR SERVICE. P/U HORIBA FOR MONDAY. ARRIVED AT OFFICE 1430.

Tait Environmental Management, Inc.

DAILY FIELD REPORT

Project Name: PIPEMER C-6	**Project #:** 2727-01	**Date:** 9-14-07
Personnel: J. ALMOSDAER	**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 #: 02
- [ ] PID/FID Type: _____ Serial #: _____
- [x] Submbersible Pump Type: 2" GRUNDFOS Serial #: 01
- [ ] Generator Type: _____ Serial #: _____
- [x] Company Truck License #: 6P41975
- [x] Other(s): GRUNDFOS CONTROL BOX: #04

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: Former C-6	Project #: 2727-01	Date: 9-14-07

0600 ARRIVED ON SITE AND LOADED EQUIPMENT.

- MET WITH LESTER

0713 BEGAN PURGING WELL WCC-4S (47 GLS).

0750 SAMPLED WELL

0847 BEGAN PURGING WELL MWB007

0930 SAMPLED WELL

1047 BEGAN PURGING WELL ENC-001 (69 GLS).

1142 SAMPLED WELL.

- RETURNED TO COMPOUND AND OFFLOADED EQUIPMENT.

1410 DROPPED OFF SAMPLES AT TEST AMERICA.

1500 ENDED FOR SAFETY MEETING.

Tait Environmental Management, Inc.

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BRC GW MONITORING DAILY FIELD REPORT

Project Name: BOEING C-6 SEPT 07	**Project #:** EM 2727 -01	**Date:** 9/17/07
Personnel: LW/JA	**Sub Contractors:** NA	

Task: GROUND WATER SAMPLING

Time Arrived at Site: 600	**Time Left Site:**	**Total Hours at Site:**

Equipment List:

- [x] Solinst Water Level Meter Serial #: TAIT #01
- [ ] Solinst Water/Product Level Interface Meter Serial #: _____
- * YSI METER ___ ~~SERIAL # TAIT #01~~
- [ ] Horiba U-22 Water Quality Meter Serial #: _____
- [ ] Air Monitoring Type: _____ Serial #: _____
- [ ] Pump Type: Waterra / Grundfos Serial #: _____
- [ ] Generator Type: _____ Serial #: _____
- [x] Company Truck License #: 4X4 FORD
- [ ] Other(s): _____

Description 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.)

5:00. P/U ICE & WATER.
6:00 ARRIVED ON SITE. TAILGATE MEETING. CALIBRATED YSI METER AND HORIBA. GEORGE IS SETTING UP ON MWB013 STARTING PURGING AT 7:23. WELL WAS SETUP WITH HORIBA AND YSI METER TOOK READING FROM BOTH METERS. FINISHED SAMPLING CLEANED UP - BACK TO COMPOUND QECON EQUIPMENT

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

Tait Environmental Management, Inc.

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Project Name: Boeing C6 Sept. 07	Project #: EM-2727	Date: 9/17/07

845: GEORGE SET UP ON XMW-019. WAITING TO EARTH TECH. 910 EARTH TECH ARRIVED. OPENED WELL HELP GEORGE SET-UP. AROUND 9:30 STARTED PURGING.

I LEFT WENT TO COMPOUND LOADED UP MY TRUCK W/ EQUIPMENT. HEADED TO TMW-14. SET-UP.

1030 STARTED PURGING 1044 FINISHED AND SAMPLED CLEANED UP. BACK TO COMPOUND. DECON EQUIPMENT AND LOADED TO TRUCK. FINISHED UP PAPERWORK

1130 LEFT TO BLDG 10

HELP CLARA W/ FINISHING UP SITE BEFORE INSPECTION

1500 SOLAR PANEL BACK TO C-6 1630.

1630 - CHECKED CALIBRATION OF YSI meter & HORIBA TOOK FERROUS IRON READINGS

1830 - FINISHED LEFT SITE

Tait Environmental Management, Inc.

DAILY FIELD REPORT

Project Name: C-6 TORRANCE	**Project #:** 2727	**Date:** 9-17-07
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 #: 02
- [ ] PID/FID Type: _____ Serial #: _____
- [x] Submbersible Pump Type: 2" GRUNDFOS PUMP Serial #: 01
- [ ] Generator Type: _____ Serial #: _____
- [x] Company Truck License #: 6P41975
- [x] Other(s): GRUNDFOS CONTROL BOX

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 TORRANCE	Project #: 2727-01	Date: 9-17-07

0600 ARRIVED AT COMPOUND AND BEGAN LOADING EQUIPMENT.
- MET W/ LESTER

0700 ARRIVED AT WELL MWB-013
0723 BEGAN PURGING
0755 SAMPLED WELL
0845 BEGAN SETTING UP AT WELL XMW-19
0905 PERSONNEL FROM EARTH TECH ARRIVED AND UNLOCKED WELL LID.
0932 BEGAN PURGING (52 GLS).
1027 SAMPLED WELL.
1158 BEGAN PURGING WELL TMW-10 (126 GLS)
1229 SAMPLED WELL.
- BEGAN PURGING WELL TMW-11
- SAMPLED WELL
- LEFT FOR COMPOUND TO OFFLOAD AND DECON

1430 LEFT FOR ENVIROTECH TO PICK UP U-22, FOR TEST AMERICA TO DROPP OFF SAMPLES, AND FOR BISCO TO PICK UP LOW FLOW PUMP

1630 LEFT BISCO AND ENDED DAY.

BOE-C6-0055835

Tait Environmental Management, Inc.

Engineering • Environmental • Compliance

BRC GW MONITORING DAILY FIELD REPORT

Project Name: Boeing C-6 Sept 07	**Project #:** EM 2727	**Date:** 9/18/07
Personnel: LW/VA	**Sub Contractors:** NA	

Task: GROUND WATER SAMPLING

Time Arrived at Site: 600	**Time Left Site:**	**Total Hours at Site:**

Equipment List:

- ☑ Solinst Water Level Meter Serial #: TAIT #1
- ☐ Solinst Water/Product Level Interface Meter Serial #: _____
- ☑ YSI meter
- ☑ ~~Horiba U-22 Water Quality Meter~~ Serial #: TAIT #1
- ☐ Air Monitoring Type: _____ Serial #: _____
- ☐ Pump Type: Waterra / Grundfos Serial #: _____
- ☐ Generator Type: _____ Serial #: _____
- ☑ Company Truck License #: 4x4 FORD
- ☐ Other(s): _____

Description 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.)

600 TAILGATE MEETING. CALIBRATED YSI MAKER
GAVE GEORGE PAPERWORK. HE LEFT AT 630.
700 I SET UP ON CMW001. STARTED PURGING
750 FINISHED AND SAMPLED. CLEANED UP. DECON
825 SET UP STARTED PURGING AT 830.
844 FINISHED AND SAMPLED. CLEANED UP DECON
915 CMW026 SET UP.

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

Page ___ of ___

Tait Environmental Management, Inc.

Engineering • Environmental • Compliance

Project Name: Boeing C6 Sept 07	Project #: GM 2727	Date: 9/18/07

FROM 900 to 1645 PURGED AND SAMPLED
CMW001, IRZCMW002, CMW026, CMW002, IRZCMW001,
IRZCMW003 & MWC021. FINISHED AT 1645.
~~B~~ ~~Fed~~ COURIER P/U SAMPLES AT 1730
SET-UP FOR FERROUS IRON. FROM 1745 to 1840
CHECK RE CALIBRATION OF YSI METER AND HORIBA
FROM 1850 to 1940. CLEANED UP
WORKED ON QUONCA system

Page ___ of ___

Tait Environmental Management, Inc.

DAILY FIELD REPORT

Project Name: C-6 TORRANCE	**Project #:** 2727	**Date:** 9-18-07
Personnel: J. ALMENDALR	**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 #: 02
- [ ] PID/FID Type: _____ Serial #: _____
- [x] Submbersible Pump Type: 2" GRUNDFOS PUMP Serial #: 01
- [ ] Generator Type: _____ Serial #: _____
- [x] Company Truck License #: 6P41975
- [x] Other(s): GRUNDFOS CONTROL BOX

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: FORMER C-6	Project #: 2727	Date: 9-18-07

0600 ARRIVED ON SITE AND LOADED EQUIPMENT
• MET WITH LESTER
0724 BEGAN PURGING WELL MWC-021 (62 GLS)
0849 SAMPLED WELL.
0930 BEGAN PURGING WELL XMW-09 (33 GLS) (• MET W/ EARTH TECH).
1037 SAMPLED WELL
1147 BEGAN PURGING WELL MWG-001 (30 GLS)
1215 SAMPLED WELL.
1326 BEGAN PURGING WELL TMW-15 (12 GLS)
1357 SAMPLED WELL
1458 BEGAN PURGING WELL WCC-095 (54 GLS)
1553 SAMPLED WELL
• DECONED AND OFF LOADED EQUIPMENT
1630 ENDED DAY

Tait Environmental Management, Inc.

Engineering • Environmental • Compliance

BRC GW MONITORING DAILY FIELD REPORT

Project Name: Boeing C-6 Sept 07	**Project #:** EM 2727	**Date:** 9/9/07
Personnel: LW / LA	**Sub Contractors:** NA	

Task: GROUND WATER SAMPLING

Time Arrived at Site:	**Time Left Site:**	**Total Hours at Site:**

Equipment List:

- [x] Solinst Water Level Meter Serial #: TAIT #1
- [ ] Solinst Water/Product Level Interface Meter Serial #: _____
- [x] ~~Horiba U-22 Water Quality Meter~~ YSI meter Serial #: TAIT #1
- [ ] Air Monitoring Type: _____ Serial #: _____
- [ ] Pump Type: Waterra / Grundfos Serial #: _____
- [ ] Generator Type: _____ Serial #: _____
- [x] Company Truck License #: 4x4 FORD
- [ ] Other(s): _____

Description 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.)

500 P/U ICE + WATER
600 ARRIVED ON SITE TAILGATE. GAVE GEORGE 3 WELLS
WHILE HE SETTING UP. I CALIBRATED HORIBA & YSI meter.
I FINISHED UP PAPERWORK
7:30 LOADED UP TRUCK
SET-UP ON MWG002
815 STARTED PURGING.

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

Page ___ of ___

Tait Environmental Management, Inc.

Engineering • Environmental • Compliance

Project Name: Boeing C-6 Sept 07	Project #: EM-2727	Date: 9/19/07

0923 FINISHED PURGING ~~[illegible]~~ TOOK SAMPLES.
CLEANED UP. WAITED FOR CARMEN ~~[illegible]~~ FOR
MORE BOTTLES. TOOK OTHER SAMPLES.
1030 BACK TO COMPOUND. DECON EQUIPMENT.
UNLOAD TRUCK. TOOK FERROUS IRON
& HYDROGEN SULFIDE READINGS. NOTED.
~~FINISH~~ CAUGHT UP ON PAPERWORK.
12:00 TOOK FERROUS IRON READINGS.
CLEANED UP LEFT TO SANTA CLARITA AT 1300
ALSO TOOK RECALIBRATION READINGS FROM
HORIBA & YSI meter

Page ___ of ___

Tait Environmental Management, Inc.

Engineering • Environmental • Compliance

BRC GW MONITORING DAILY FIELD REPORT

Project Name: C-6 SEPT 07 QUART	**Project #:** EM 2727	**Date:** 9/20/07
Personnel: LW	**Sub Contractors:** NA	

Task: GROUND WATER SAMPLING

Time Arrived at Site:	**Time Left Site:**	**Total Hours at Site:**

Equipment List:

- [x] Solinst Water Level Meter Serial #: TAIT #1
- [ ] Solinst Water/Product Level Interface Meter Serial #: _____
- [ ] ~~Horiba U-22~~ YSI METER Water Quality Meter Serial #: TAIT #1
- [ ] Air Monitoring Type: _____ Serial #: _____
- [ ] Pump Type: Waterra / Grundfos Serial #: _____
- [ ] Generator Type: _____ Serial #: _____
- [ ] Company Truck License #: FORD 4X4
- [ ] Other(s): _____

Description 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.)

ARRIVED AT 530 TAILGATE MEETING. CALIBRATED YSI METER
LOADED TRUCK. SET-UP ON MWC001
620 STARTED - PURGING.
704 FINISHED PURGING SAMPLED CLEANING UP BACK TO
COMPOUND TRANSFER WATER. DECON EQUIPMENT.
SET UP ON MWC024.
750 STARTED PURGING

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

Page ___ of ___

Tait Environmental Management, Inc.

Engineering • Environmental • Compliance

Project Name: C-6 SEPT 07 EVENT	Project #: EM-2721	Date: 9/20/07

842 FINISHED PURGING TOOK SAMPLES AT 845.
CLEANED UP BACK TO COMPOUND TRANSFER WATER
DECON EQUIPMENT. PAPERWORK. LEFT TO IWC002
SET UP ON IWC002

950 - STARTED PURGING. FINISHED AT 1036 TOOK SAMPLES
CLEANED UP BACK TO COMPOUND TRANSFER WATER
DECON EQUIPMENT. GOT READY FOR EWC002
SET UP ON EWC002

1100 STARTED PURGING FINISHED AT 1152
TOOK BOTH SAMPLES CLEANED UP.
BACK to COMPOUND. TRANSFER WATER. DECON
EQUIPMENT.

1240 MADE UP BLANKS

1300 TOOK FERROUS IRON READINGS

1335 TOOK RECALIBRATION READINGS FINISHED AT 1400

Page ___ of ___

Tait Environmental Management, Inc.

DAILY FIELD REPORT

Project Name: FORMER C-6	**Project #:** 2727	**Date:** 9-19-07
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 #: 414249
- [ ] Solinst Water/Product Level Interface Meter Serial #: _____
- [x] Horiba U-22 Water Quality Meter Serial #: 02
- [ ] PID/FID Type: _____ Serial #: _____
- [x] Submbersible Pump Type: 2" GRUNDFOS Serial #: 01
- [ ] 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:** _____

Tait Environmental Management, Inc.

MWG-002 X 4 VOAS

Project Name: FORMER C-6	Project #: 2727	Date: 9-19-07

0600: ARRIVED ONSITE AND LOADED EQUIPMENT

· MET WITH LESTER

0700 BEGAN PURGING WELL MWC009 (62 GLS).

0746 SAMPLED WELL

0822 RECEIVED A CALL FROM CLARA TO ADD FOUR MORE VOA'S TO SAMPLE AT WELL MWG-002

0858 BEGAN PURGING WELL MWB019 (42 GLS)

0941 SAMPLED WELL.

1047 BEGAN PURGING WELL MWC017 (72 GLS)

1133 SAMPLED WELL

1230 LEFT COMPOUND FOR LAB

1303 DROPPED OFF SAMPLES

1400 DROPPED OFF LOW FLOW PUMP AT B/SCD.

Tait Environmental Management, Inc.

DAILY FIELD REPORT

Project Name: FORMER C-6	**Project #:** 2727-01	**Date:** 9-21-07
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 #: 044249
- [ ] Solinst Water/Product Level Interface Meter Serial #: _____
- [x] Horiba U-22 Water Quality Meter Serial #: 02
- [ ] PID/FID Type: _____ Serial #: _____
- [x] Submbersible Pump Type: 2" GRUNDFOS Serial #: 01
- [ ] 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:** _____

Tait Environmental Management, Inc.

Project Name: FORMER C-6	Project #: 2727-01	Date: 9-21-07

0600 ARRIVED ON SITE: LOADED AND PREPPED EQUIPMENT.
0713 BEGAN PURGING WELL WCC-12S (66 GLS).
0820 BEGAN SAMPLING.
0930 LEFT FOR LAB
1030 LEFT FOR OFFICE
1050 AT OFFICE FINIZIZIN PAPER WORK
1200 ENDED DAY

Tait Environmental Management, Inc.

Daily Tailgate Health & Safety Meeting
Agreement and Acknowledgement Sheet

Project Name: BOEING C-6 SEPT 07	**Project #:** EM-2727
Site/Area Location/Well ID: C-6	
Date(s) Work Performed: 9/20/07	**Time:** 530
Name Of Person Giving Tailgate **Print Name:** LESTER WIDNER **Signature:**	**Affiliation:** NONE
Site-Specific Health & Safety Meeting Topics: 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
9/20/07	LESTER WIDNER	TAIT	

Tait Environmental Management, Inc.

Daily Tailgate Health & Safety Meeting
Agreement and Acknowledgement Sheet

Project Name: BOEING C6 SEPT 07 EVENT	**Project #:** EM-2727
Site/Area Location/Well ID: C6	
Date(s) Work Performed: 9/17/07	**Time:** 600
Name Of Person Giving Tailgate **Print Name:** LESTER WIDNER **Signature:** Lester Widner	**Affiliation:**
Site-Specific Health & Safety Meeting Topics: SLIP, TRIP AND FALL	

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
9/17/07	LESTER WIDNER	TAIT	Lester Widner
9/17/07	JORGE ARMENDAREZ	TAIT	Jorge Armendarez

Tait Environmental Management, Inc.

Daily Tailgate Health & Safety Meeting
Agreement and Acknowledgement Sheet

Project Name: BOEING C-6 SEPT 07 EVENT	**Project #:** EM.2727
Site/Area Location/Well ID: C-6	
Date(s) Work Performed: 9/18/07	**Time:** 600
Name Of Person Giving Tailgate **Print Name:** LESTER WIDNER **Signature:**	**Affiliation:** NONE
Site-Specific Health & Safety Meeting Topics: 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
9/18/07	LESTER WIDNER	TAIT	
9/18/07	JORGE ARMENDARIZ	TAIT	

Page __ of __

Tait Environmental Management, Inc.

Daily Tailgate Health & Safety Meeting
Agreement and Acknowledgement Sheet

Project Name: BOEING C6 SEPT 07	**Project #:** EM.2727
Site/Area Location/Well ID: C-6	
Date(s) Work Performed: 9/19/07	**Time:** 600
Name Of Person Giving Tailgate **Print Name:** LESTER WIDNER **Signature:**	**Affiliation:** NWG
Site-Specific Health & Safety Meeting Topics: 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
9/19/07	LESTER WIDNER	TAIT	
9/19/07	JORGE ARMENDARIZ	TAIT	

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 yes No

Enforcement Action? Yes No

Client Name/Account #: Tait Environmental Management — Clara Boeru

Address: 701 North Parkcenter Drive — Clara Boeru

City/State/Zip: Santa Ana, CA 92705 — TEM09132007LW

Project Manager: Clara Boeru — C6 - Semi-Annual and Quarterly GWM Event

Telephone Number: (714) 560-8658 Fax No.: (714) 560-8235 — EM2727

Sampler Name: (Print) Jorge Armendariz/Lester Widner

Sampler Signature:

Sample ID / Description	Date Sampled	Time Sampled	No. of Containers Shipped	Grab	Composite	Field Filtered	Preservative: Ice	HNO3 (Red Label)	HCl (Blue Label)	NaOH (Orange Label)	H2SO4 Plastic (Yellow Label)	H2SO4 Glass(Yellow Label)	None (Black Label)	Other (Specify)	Matrix: Groundwater	Wastewater	Drinking Water	Sludge	Soil	Other (specify):	Analyze For: 8260B	Ethane, Ethene, Methane-RSK 175	Organic Acids	TOC	Sulfate-EPA 300.0	Nitrite (NO2)-EPA 300.0	Nitrate (NO3)-EPA 300.0	Chloride-EPA 300.0	Total Alkalinity-EPA 310.1	Rdase Genes (rceA. vcrA and bvcA)	Qpcr	VFAs	RUSH TAT (Pre-Schedule)	TAT (10 day)	Data Validation	Fax Results	Send QC with report
MWC007_WG091307_0001	9/13/07	1440	3	X			X		X						X						X													X			X
WCC_05S_WG091307_0001	9/13/07	1232	3	X			X		X						X						X													X			X
MWB020_WG091307_0001	9/13/07	1621	3	X			X		X						X						X													X			X
MWC022_WG091307_0001	9/13/07	1325	3	X			X		X						X						X													X			X
MWC004_WG091307_0001	9/13/07	1050	3	X			X		X						X						X													X		X	
WCC_07S_WG091307_0001	9/13/07	1530	3	X			X		X						X						X													X		X	
MWB027_WG091307_0001	9/13/07	1150	3	X			X		X						X						X													X		X	
RB_TAIT091307_0001	9/13/07	1515	3	X			X		X						X						X													X			X
TB_TAIT091307_0001	9/13/07	NA	3	NA			X		X						X						X													X			X

Special Instructions:

Send qPCR and Rdase Genes to North Wind/Sent VFAs to Microsweeps

RB = Rinseate blank (or equipment blank)

Laboratory Comments:

Temperature Upon Receipt:

Sample Containers Intact? Y N

VOCs Free of Headspace? Y N

Method of Shipment:

Relinquished by:	Date	Time	Received by:	Date	Time
	9/13/07	1645		9/13/07	1700
Relinquished by:	**Date**	**Time**	**Received by TestAmerica:**	**Date**	**Time**

BOE-C6-0055852

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 yes No

Enforcement Action? Yes No

Client Name/Account #: Tait Environmental Management — Clara Boeru

Address: 701 North Parkcenter Drive — Clara Boeru

City/State/Zip: Santa Ana, CA 92705 — TEM09142007LW

Project Manager: Clara Boeru — C6 - Semi-Annual and Quarterly GWM Event

Telephone Number: (714) 560-8658 Fax No.: (714) 560-8235 — EM2727

Sampler Name: (Print) Jorge Armendariz/Lester Widner

Sampler Signature: [signature]

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	Ethane, Ethene, Methane-RSK 175	Organic Acids	TOC	Sulfate-EPA 300.0	Nitrite (NO2)-EPA 300.0	Nitrate (NO3)-EPA 300.0	Chloride-EPA 300.0	Total Alkalinity-EPA 310.1	Rdase Genes (rceA, vcrA and bvcA)	Qpcr	VFAs	RUSH TAT (Pre-Schedule)	TAT (10 day)	Data Validation (Tier 2)/(Tier1)	Fax Results	Send QC with report
WCC_03S_WG091407_0001	9/14/07	8:24	3	X			X		X						X						X													X	X		X
MWC023_WG091407_0001	9/14/07	1008	3	X			X		X						X						X													X			X
WCC_04S_WG091407_0001	9/14/07	0750	3	X			X		X						X						X													X			X
MWB007_WG091407_0001	9/14/07	0930	3	X			X		X						X						X													X	X		X
EWC001_WG091407_0001	9/14/07	1142	3	X			X		X						X						X													X	X		X
EWC001_WG091407_0002	9/14/07	1142	3	X			X		X						X						X													X			X
RB_TAIT091407_0001	9/14/07	1030	3	X			X		X						X						X													X			X
TB_TAIT091407_0001	9/14/07	NA	3	NA			X		X						X						X													X			X

Special Instructions:

Send qPCR and Rdase Genes to North Wind/Sent VFAs to Microsweeps

RB = Rinseate blank (or equipment blank)

Laboratory Comments:

Temperature Upon Receipt: 3.5°

Sample Containers Intact? Y N

VOCs Free of Headspace? Y N

Method of Shipment:

Relinquished by:	Date	Time	Received by:	Date	Time
Jorge Armendariz	9-14-07	1410	[signature]	9/14/07	1410
Relinquished by:	Date	Time	Received by TestAmerica:	Date	Time

BOE-C6-0055853

CHAIN OF CUSTODY RECORD

TestAmerica
ANALYTICAL TESTING CORPORATION

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

Compliance Monitoring: yes yes No

Enforcement Action? Yes No

Client Name/Account #: Tait Environmental Management — Clara Boeru

Address: 701 North Parkcenter Drive — Clara Boeru

City/State/Zip: Santa Ana, CA 92705 — TEM09172007LW

Project Manager: Clara Boeru — C6 - Semi-Annual and Quarterly GWM Event

Telephone Number: (714) 560-8658 **Fax No.:** (714) 560-8235 — EM2727

Sampler Name: (Print) Jorge Armendariz/Lester Widner

Sampler Signature: Jorge Armendariz

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	Ethane, Ethene, Methane-RSK 175	Organic Acids	TOC	Sulfate-EPA 300.0	Nitrite (NO2)-EPA 300.0	Nitrate (NO3)-EPA 300.0	Chloride-EPA 300.0	Total Alkalinity-EPA 310.1	Rdase Genes (rceA, vcrA and bvcA)	Qpcr	VFAs	RUSH TAT (Pre-Schedule)	TAT (10 day)	Data Validation	Fax Results	Send QC with report
XMW_19_WG091707_0001	9/17/07	1027	3				X		X						X						X													X			X
MWB013_WG091707_0001	9/17/07	0735	3				X		X						X						X													X			X
TMW_14_WG091707_0001	9/17/07	1044	3				X		X						X						X													X			X
TMW_11_WG091707_0001	9/17/07	1403	3				X		X						X						X													X			X
TMW_10_WG091707_0001	9/17/07	1229	3				X		X						X						X													X			X
RB_TAIT091707_0001	9/17/07	845	3	X			X		X						X						X													X			X
TB_TAIT091707_0001	9/17/07	NA	3				X		X						X						X													X			X

Special Instructions:

RB = Rinseate blank (or equipment blank)

Laboratory Comments:

Temperature Upon Receipt: Y N 3.6

Sample Containers Intact? Y N

VOCs Free of Headspace? Y N

Method of Shipment:

Relinquished by:	Date	Time	Received by:	Date	Time
Jorge Armendariz	9-17-07	1555		9/17	1555
Relinquished by:	Date	Time	Received by TestAmerica:	Date	Time

BOE-C6-0055854

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 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) 560-8658 Fax No.: (714) 560-8235

Sampler Name: (Print) Jorge Armendariz/Lester Widner

Sampler Signature: [signature]

Clara Boeru

Clara Boeru

TEM09182007LW

C6 - Semi-Annual and Quarterly GWM Event

EM2727

	Sample ID / Description	Date Sampled	Time Sampled	No. of Containers Shipped	Grab	Composite	Field Filtered	Preservative: Ice	HNO3 (Red Label)	HCl (Blue Label)	NaOH (Orange Label)	H2SO4 Plastic (Yellow Label)	H2SO4 Glass(Yellow Label)	None (Black Label)	Other (Specify)	Matrix: Groundwater	Wastewater	Drinking Water	Sludge	Soil	Other (specify):	Analyze For: 8260B	Ethane, Ethene, Methane-RSK 175	Organic Acids	TOC	Sulfate-EPA 300.0	Nitrite (NO2)-EPA 300.0	Nitrate (NO3)-EPA 300.0	Chloride-EPA 300.0	Total Alkalinity-EPA 310.1	Rdase Genes (rceA, vcrA and bvcA)	Qpcr	VFAs	RUSH TAT (Pre-Schedule)	TAT (10 day)	Data Validation (Tier 3)	Fax Results	Send QC with report
	CMW001_WG091807_0001	9/18/07	0751	5	X			X		X						X						X	X												X			X
	IRZCMW002_WG091807_0001	9/18/07	0845	5	X			X		X						X						X	X												X	X		X
	CMW026_WG091807_0001	9/18/07	1000	5	X			X		X						X						X	X												X			X
	CMW002_WG091807_0001	9/18/07	1326	5	X			X		X						X						X	X												X			X
	IRZCMW001_WG091807_0001	9/18/07	1516	5	X			X		X						X						X	X												X			X
	IRZCMW003_WG091807_0001	9/18/07	1646	5	X			X		X						X						X	X												X			X
	IRZCMW003_WG091807_0002	9/18/07	1648	5	X			X		X						X						X	X												X			X
0849	MWC021_WG091807_0001	9/18/07	[illegible]	3	X			X		X						X						X													X			X
1215	MWG001_WG091807_0001	9/18/07	[illegible]	3	X			X		X						X						X													X			X
1351	TMW_15_WG091807_0001	9/18/07	[illegible]	3	X			X		X						X						X													X			X
1553	WCC_09S_WG091807_0001	9/18/07	[illegible]	3	X			X		X						X						X													X			X
1037	XMW_09_WG091807_0001	9/18/07	[illegible]	3	X			X		X						X						X													X			X
	RB_TAIT091807_0001	9/18/07	0800	3	X			X		X						X						X													X			X
	TB_TAIT091807_0001	9/18/07	NA	3	X			X		X						X						X													X			X

Special Instructions:

RB = Rinseate blank (or equipment blank)

Method of Shipment:

Laboratory Comments:

Temperature Upon Receipt:

Sample Containers Intact? Y N

VOCs Free of Headspace? Y N

Relinquished by:	Date	Time	Received by:	Date	Time
[signature]	9/18/07	1730	[signature]	9/18/07	1730
Relinquished by:	Date	Time	Received by TestAmerica:	Date	Time

BOE-C6-0055855

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?

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) 560-8658 Fax No.: (714) 560-8235
Sampler Name: (Print) Jorge Armendariz/Lester Widner
Sampler Signature: Jorge Armendariz

Compliance Monitoring: yes yes No
Enforcement Action? Yes No

Clara Boeru
Clara Boeru
TEM09192007LW
C6 - Semi-Annual and Quarterly GWM Event
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	Ethane, Ethene, Methane-RSK 175	~~Organic Acids~~ CB	TOC	Sulfate-EPA 300.0	Nitrite (NO2)-EPA 300.0	Nitrate (NO3)-EPA 300.0	Chloride-EPA 300.0	Total Alkalinity-EPA 310.1	Rdase Genes (rceA. vcrA and bvcA)	Qpcr	VFAs	RUSH TAT (Pre-Schedule)	TAT (10 day)	Data Validation (Tier 2)	Fax Results	Send QC with report
MWC009_WG091907_0001	9/19/07	0746	3				X		X						X						X													X			X
MWB019_WG091907_0001	9/19/07	0941	3				X		X						X						X													X	X		X
MWG002_WG091907_0001	9/19/07	0905	6	X			X		[illegible]					X	X						X	X	X CB		X		X						X	X CB			X IQI165
MWC017_WG091907_0001	9/19/07	1133	3				X		X					X	X						X													X			X
RB_TAIT091907_0001	9/19/07	0945	3				X		X						X						X													X			X
TB_TAIT091907_0001	9/19/07	NA	3				X		X						X						X													X			X

Special Instructions:

RB = Rinseate blank (or equipment blank) (No Cr6 analysis required!) CBoeru

*MWG 002 - 8x6, NITRATE = 24HR RUSH

Method of Shipment:

Relinquished by:	Date	Time	Received by:	Date	Time
Jorge Armendariz	9-19-07	1303			
Relinquished by:	Date	Time	Received by TestAmerica:	Date	Time
			[illegible]	9-19-07	1303

Laboratory Comments:

Temperature Upon Receipt:
Sample Containers Intact? Y N
VOCs Free of Headspace? Y N

X

5.7 °C

396

BOE-C6-0055856

CHAIN OF CUSTODY RECORD

TestAmerica
ANALYTICAL TESTING CORPORATION

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

Compliance Monitoring: yes yes No

Enforcement Action? Yes No

Client Name/Account #: Tait Environmental Management — Clara Boeru

Address: 701 North Parkcenter Drive — Clara Boeru

City/State/Zip: Santa Ana, CA 92705 — TEM09202007LW

Project Manager: Clara Boeru — C6 - Semi-Annual and Quarterly GWM Event

Telephone Number: (714) 560-8658 **Fax No.:** (714) 560-8235 — EM2727

Sampler Name: (Print) Jorge Armendariz/Lester Widner

Sampler Signature: [signature]

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	Ethane, Ethene, Methane-RSK 175	Organic Acids	TOC	Sulfate-EPA 300.0	Nitrite (NO2)-EPA 300.0	Nitrate (NO3)-EPA 300.0	Chloride-EPA 300.0	Total Alkalinity-EPA 310.1	Rdase Genes (rceA. vcrA and bvcA)	Qpcr	VFAs	RUSH TAT (Pre-Schedule)	TAT (10 day)	Data Validation (Tier 2)/(Tier1)	Fax Results	Send QC with report
IWC001_WG092007_0001	9/20/07	0705	3	X			X		X						X						X													X			X
MWC024_WG092007_0001	9/20/07	0845	3	X			X		X						X						X													X			X
IWC002_WG092007_0001	9/20/07	1038	3	X			X		X						X						X													X			X
EWC002_WG092007_0001	9/20/07	1154	3	X			X		X						X						X													X			X
EWC002_WG092007_0002	9/20/07	1156	3	X			X		X						X						X													X			X
RB_TAIT092007_0001	9/20/07	1240	3	X			X		X						X						X													X			X
TB_TAIT092007_0001	9/20/07	NA	3	N/A			X		X						X						X													X			X

Special Instructions:

RB = Rinseate blank (or equipment blank)

Laboratory Comments:

Temperature Upon Receipt:

Sample Containers Intact? Y N

VOCs Free of Headspace? Y N

Method of Shipment:

Relinquished by:	Date	Time	Received by:	Date	Time
[signature]	9/20/07	1345	[signature] TAI	9/20/07	1345
Relinquished by:	Date	Time	Received by TestAmerica:	Date	Time

BOE-C6-0055857

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) 560-8658 **Fax No.:** (714) 560-8235

Sampler Name: (Print) Jorge Armendariz/Lester Widner

Sampler Signature: Jorge Armendariz

Clara Boeru

Clara Boeru

TEM09212007LW3

C6 - Building 1/36 GWM Event

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	Ethane, Ethene, Methane-RSK 175	Organic Acids	TOC	Sulfate-EPA 300.0	Nitrite (NO2)-EPA 300.0	Nitrate (NO3)-EPA 300.0	Chloride-EPA 300.0	Total Alkalinity-EPA 310.1	Rdase Genes (rceA. vcrA and bvcA)	Qpcr		RUSH TAT (Pre-Schedule)	TAT (5 day)	Fax Results	Send QC with report
WCC_12S_WG092107_0001	9/21/07	0820	2				X						X		X															X	X			X		X

Special Instructions:

Send qPCR and Rdase Genes to North Wind

Laboratory Comments:

Temperature Upon Receipt: 9.3°C

Sample Containers Intact? Y N

VOCs Free of Headspace? Y N

Method of Shipment:

Relinquished by:	Date	Time	Received by:	Date	Time
Jorge Armendariz	9-21-07	1020			
Relinquished by:	Date	Time	Received by TestAmerica:	Date	Time
			Elizabeth Chavez	9/21/07	1020

BOE-C6-0055858

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 yes No

Enforcement Action? Yes No

Client Name/Account #: Tait Environmental Management — Clara Boeru

Address: 701 North Parkcenter Drive — Clara Boeru

City/State/Zip: Santa Ana, CA 92705 — TEM09212007LW2

Project Manager: Clara Boeru — C6 - Building 1/36 GWM Event

Telephone Number: (714) 560-8658 Fax No.: (714) 560-8235 — EM2727

Sampler Name: (Print) Jorge Armendariz/Lester Widner

Sampler Signature: Jorge Armendariz

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	Ethane, Ethene, Methane-RSK 175	Organic Acids	TOC	Sulfate-EPA 300.0	Nitrite (NO2)-EPA 300.0	Nitrate (NO3)-EPA 300.0	Chloride-EPA 300.0	Total Alkalinity-EPA 310.1	Rdase Genes (rceA. vcrA and bvcA)	Qpcr	VFAs	RUSH TAT (Pre-Schedule)	TAT (5 day)	Fax Results	Send QC with report
WCC_12S_WG092107_0001	9/21/07	0820	2	X			X							X	X																	X		X		X

Special Instructions:

Sent VFAs to Microsweeps

Laboratory Comments:

Temperature Upon Receipt: 9.3°C

Sample Containers Intact? Y N

VOCs Free of Headspace? Y N

Method of Shipment:

Relinquished by:	Date	Time	Received by:	Date	Time
Jorge Armendariz	9-21-07	1020			
Relinquished by:	Date	Time	Received by TestAmerica:	Date	Time
			Elizabeth Chase	9-21-07	1020

BOE-C6-0055859

CHAIN OF CUSTODY RECORD

TestAmerica
ANALYTICAL TESTING CORPORATION

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

Compliance Monitorin ye yes No

Enforcement Action? Yes No

Client Name/Account #: Tait Environmental Management — Clara Boeru

Address: 701 North Parkcenter Drive — Clara Boeru

City/State/Zip: Santa Ana, CA 92705 — TEM09212007LW1

Project Manager: Clara Boeru — C6 - Building 1/36 GWM Event

Telephone Number: (714) 560-8658 **Fax No.:** (714) 560-8235 — EM2727

Sampler Name: (Print) Jorge Armendariz/Lester Widner

Sampler Signature: Jorge Armendariz

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	Ethane, Ethene, Methane-RSK 175	Organic Acids	TOC	Sulfate-EPA 300.0	Nitrite (NO2)-EPA 300.0	Nitrate (NO3)-EPA 300.0	Chloride-EPA 300.0	Total Alkalinity-EPA 310.1	RUSH TAT (Pre-Schedule)	TAT (10 day)	Fax Results	Send QC with report
WCC_12S_WG092107_0001	9/21/07	0820	7	X			X	Various							X						X	X		X	X	X	X	X	X		X		X
RB_TAIT092107_0001	9/21/07	0650	3	X			X		X						X						X										X		
TB_TAIT092107_0001	9/21/07	NA	3	X			X		X						X						X										X		

Special Instructions:

RB=Rinsate Blank

qPCR and Rdase Genes to North Wind/VFAs to Microsweeps

Laboratory Comments:

Temperature Upon Receipt: 9.3°C

Sample Containers Intact? N

VOCs Free of Headspace? N

Method of Shipment:

Relinquished by:	Date	Time	Received by:	Date	Time
Jorge Armendariz	9-21-07	1020			
Relinquished by:	**Date**	**Time**	**Received by TestAmerica:**	**Date**	**Time**
			Elizabeth Clark	9/21/07	1020

BOE-C6-0055860

Groundwater Sampling Data Sheet

TAIT Environmental Management, Inc

Project Name: FORMER C-6	**Date:** 9-13-07
Project No.: EM 2727-01	**Prepared By:** JA
Well Identification: WCC-5S	**Weather:** SUNNY / WARM
Measurement Point Description: TOC, N	**Pump Intake:** 80' **Screen:** NO DATA

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
---	59.91 59.91 59.91	91.75	31.84	---	20.70	62	10.35	N/A	N/A	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: 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
1116	0.5	10.5	0.7	60.65	6.7	24.2	48.0	.140	0.00	46	CLEAR / NO ODOR
1131	1.0	21	0.7	60.65	6.7	24.3	4.5	.146	0.00	16	CLEAR / NO ODOR
1146	1.5	31.5	0.7	60.70	6.7	24.2	0.4	.151	0.00	-1	CLEAR / NO ODOR
1201	2.0	42	0.7	60.70	6.7	24.4	9.5	.154	0.00	7	CLEAR / NO ODOR
1216	2.5	52.5	0.7	60.70	6.7	24.5	9.5	.154	0.00	7	CLEAR / NO ODOR
1231	3.0	63	0.7	60.70	6.7	24.5	9.5	.154	0.00	7	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
1101	1231	0.7	64	3.0	66.28	60.70	1232	WCC-5S_WG091307_0001

Notes: INITIAL WATER COLOR: CLEAR

DISPOSED OF WATER IN CONTAINED TANK.

FERROUS IRON ~ 0.02 mg/L

ft-bmp = feet below measuring point

BOE-C6-0055861

Groundwater Sampling Data Sheet

TAIT Environmental Management, Inc

Project Name: FORMER C-6	**Date:** 9-13-07
Project No.: EM 2727-01	**Prepared By:** JA
Well Identification: MWC007	**Weather:** SUNNY / COOL & LIGHT WINDS
Measurement Point Description: TOC, N	**Pump Intake:** 108
	Screen: 97-117

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
---	58.49	119	60.51	---	—	—	—	25	20	10

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: 2" GRUNDFOS PUMP W/ NEW 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
1357	ABOVE	25	1.3	58.82	7.1	23.5	14.2	0.111	4.77	105	CLEAR/ NO ODOR
1405	0.5	35	1.3	58.85	7.1	23.5	10.8	0.109	3.48	96	CLEAR/ NO ODOR
1413	1.0	45	1.3	58.96	7.1	23.4	9.6	0.109	1.61	87	CLEAR/ NO ODOR
1421	1.5	55	1.3	58.98	7.1	23.4	10.0	0.108	1.45	75	CLEAR/ NO ODOR
1429	2.0	65	1.3	59.05	7.1	23.4	10.0	0.108	1.11	71	CLEAR/ NO ODOR
1437	2.5	75	1.3	59.05	7.1	23.4	10.0	0.107	1.11	70	CLEAR/ NO ODOR
1445	3.0	85	1.3	59.10	7.1	23.4	10.0	0.108	1.11	70	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
1338	1445	1.3	86	ABOVE: 25 SCREEN: 3.0	70.59	59.10	1446	MWC007-WG091307-0001

Notes: * INITIAL WATER COLOR: CLEAR
* INSTALLED NEW TUBING
FERROUS IRON ~ 0.00 mg/L

* DISPOSED OF WATER INTO GROUND TANK.

ft-bmp = feet below measuring point

BOE-C6-0055862

Groundwater Sampling Data Sheet

TAIT Environmental Management, Inc

Project Name: FORMER C-6	**Date:** 9-13-07
Project No.: EM 2727-01	**Prepared By:** JA
Well Identification: MWB020	**Weather:** SUNNY / COOL
Measurement Point Description: TOC, N	**Pump Intake:** 75' **Screen:** 59.5 - 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	Screen Volume (Screen length x D)	½ screen Volume
---	57.30	89.90	32.6	---	21.19	63.57	10.50	—	—	—

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: 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
1550	0.5	10.5	1.75	58.45	6.8	23.2	14.0	0.180	9.08	34	CLEAR/ NO ODOR
1556	1.0	21	1.75	58.55	6.8	23.2	10.0	0.180	8.16	-25	CLEAR/ NO ODOR
1602	1.5	31.5	1.75	58.55	6.9	23.3	-1	0.182	7.32	-12	CLEAR/ NO ODOR
1608	2.0	42	1.75	58.62	6.9	23.3	-1	0.183	7.11	-10	CLEAR/ NO ODOR
1614	2.5	52.5	1.75	58.65	6.9	23.2	-1	0.183	7.10	-9	CLEAR/ NO ODOR
1620	3.0	63	1.75	58.70	6.9	23.2	-1	0.183	7.10	-9	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
1544	1620	1.75	63	3.0	63.82	58.70	1621	MWB020-DG091307-0001

Notes: * INITIAL WATER COLOR: CLEAR

* PURGED WELL WATER INTO COMPOUND TANK.

FERROUS IRON ~ 0.08 mg/L

ft-bmp = feet below measuring point

BOE-C6-0055863

Groundwater Sampling Data Sheet

TAIT Environmental Management, Inc

Page ___ of ___

Project Name: FORMER C-6 - SEPT 07 EVENT	**Date:** 9/13/02
Project No.: EM 2727	**Prepared By:** LW
Well Identification: MWC004	**Weather:** SUNNY ~75°F
Measurement Point Description: TOC (N)	**Pump Intake:** ~105" **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	Screen Volume (Screen length x D)	½ screen Volume
---	1 59.25 2 59.25 3 59.25	113.85	54.60	---	N/A	N/A	N/A	23.89	13.0	6.5

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: 2" GRUNDFOS 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 (mS/m)	Dissolved Oxygen (mg/L)	ORP (mV)	Observations
1016	ABOVE SCREEN	24.00	1.5	60.36	7.00	22.8	87.0	74.0	5.60	0	LITTLE ODOR / CLEAR
1021	0.5	30.5	1.3	60.38	7.00	22.8	45.0	74.6	5.67	4	NO ODOR / CLEAR
1026	1.0	37.0	1.3	60.40	7.01	22.8	30.0	74.7	5.69	5	NO ODOR / CLEAR
1031	1.5	43.5	1.3	60.42	7.01	22.8	27.0	74.7	5.72	8	NO ODOR / CLEAR
1036	2.0	50.0	1.3	60.44	7.02	22.7	25.0	74.8	5.74	9	NO ODOR / CLEAR
1041	2.5	56.5	1.3	60.45	7.02	22.7	25.0	74.8	5.75	10	NO ODOR / CLEAR
1046	3.0	63.0	1.3	60.46	7.02	22.7	25.0	74.8	5.75	11	NO ODOR / CLEAR

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
1000	1046	1.3	64 GAL	ABOVE 3 SCREEN	70.17	60.46	1050	MWC004-WG091302-0001

Notes: FERROUS IRON - 0.00 mg/L

DISPOSED OF WATER IN COMPOUND

ft-bmp = feet below measuring point

BOE-C6-0055864

Groundwater Sampling Data Sheet

TAIT Environmental Management, Inc

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Project Name: FORMER C-6 SEPT 07 EVENT	**Date:** 9/13/07
Project No.: EM 2727	**Prepared By:** LW
Well Identification: MWB027	**Weather:** SUNNY ~ 80°F
Measurement Point Description: TOC (N)	**Pump Intake:** ~80'
	Screen: 67.5 - 87.5

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	Screen Volume (Screen length x D)	½ screen Volume
---	1 64.13 2 64.13 3 64.13	88.50	24.37	---	3.90	11.7	2	N/A	N/A	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: 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) LW	Turbidity (NTU)	Conductivity (S/M)	Dissolved Oxygen (mg/L)	ORP (mV)	Observations
1124	0.5	2	0.5	67.91	6.95	24.0	760.3	0.215	3.86	12	BROWN / NO ODOR
1128	1.0	4	0.5	68.02	6.94	23.9	480.5	0.219	3.21	12	BROWN / NO ODOR
1132	1.5	6	0.5	68.13	6.93	23.8	291.3	0.221	3.03	14	CLEAR / NO ODOR
1136	2.0	8	0.5	68.54	6.93	23.8	100.3	0.224	2.90	14	CLEAR / NO ODOR
1140	2.5	10	0.5	68.76	6.91	23.8	80.3	0.225	2.81	16	CLEAR / NO ODOR
1144	3.0	12	0.5	68.84	6.90	23.8	80.4	0.226	2.81	17	CLEAR / NO ODOR
1148	3.5	14	0.5	68.94	6.90	23.8	80.3	0.226	2.81	17	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
11:20	1148	0.5	15.0	3.0	69.00	68.94	1150	MWB027_WG091307_0001

Notes: FERROUS IRON – 0.26 mg/L

DISPOSED OF WATER IN COMPOUND

ft-bmp = feet below measuring point

BOE-C6-0055865

Groundwater Sampling Data Sheet

TAIT Environmental Management, Inc

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Project Name: FORMER C-6 SEPT 07 EVENT	**Date:** 9/13/07
Project No.: EM 2727	**Prepared By:** LW
Well Identification: MWC022	**Weather:** SUNNY ~80°F
Measurement Point Description: TOC (N)	**Pump Intake:** 100' **Screen:** 97-117'

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
	① 58.65									
---	② 58.65 ③ 58.65	116.00	57.35	---	N/A	N/A	N/A	24.93	13.0	6.5

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: 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 (mS/M)	Dissolved Oxygen (mg/L)	ORP (mV)	Observations
1256	ABOVE SCREEN	25.0	1.6	60.80	7.14	23.4	68.0	78.2	5.72	102	CLEAR / NO ODOR
1300	0.5	31.5	1.6	60.73	7.11	23.4	50.7	77.9	5.59	99	CLEAR / NO ODOR
1304	1.0	38.0	1.6	60.74	7.09	23.2	41.8	77.7	5.44	97	CLEAR / NO ODOR
1308	1.5	44.5	1.6	60.74	7.07	23.2	30.0	77.6	5.41	96	CLEAR / NO ODOR
1312	2.0	51.0	1.6	60.74	7.07	23.1	25.0	77.5	5.40	95	CLEAR / NO ODOR
1316	2.5	57.5	1.6	60.74	7.08	23.1	25.0	77.4	5.40	95	CLEAR / NO ODOR
1320	3.0	64.0	1.6	60.74	7.08	23.1	25.0	77.4	5.40	95	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
1240	1320	1.6	65.0	3	70.12	60.74	1325	MWC022_WG091307-0001

Notes: FERROUS IRON – 0.05 mg/L

WATER DISPOSED OF IN COMPOUND

ft-bmp = feet below measuring point

BOE-C6-0055866

Groundwater Sampling Data Sheet

TAIT Environmental Management, Inc

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Project Name: FORMER C-6 SEPT 07 EVENT	**Date:** 9/13/07
Project No.: EM 2727	**Prepared By:** LW
Well Identification: ~~MW~~ WCC-075	**Weather:** SUNNY ~ 80°F
Measurement Point Description: TOC (N)	**Pump Intake:** 275'
	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
---	① 59.40 ② 59.40 ③ 59.40	89.35	29.95	---	19.47	58.40	10.0	N/A	N/A	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: 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
1452	0.5	10.0	1.4	59.71	7.10	23.7	45	0.211	6.23	80	CLEAR / NO ODOR
1459	1.0	20.0	1.4	59.77	7.08	23.6	40	0.209	6.11	71	CLEAR / NO ODOR
1506	1.5	30.0	1.4	59.83	7.07	23.6	35	0.208	6.08	70	CLEAR / NO ODOR
1513	2.0	40.0	1.4	59.84	7.07	23.6	31	0.208	6.07	70	CLEAR / NO ODOR
1520	2.5	50.0	1.4	59.86	7.07	23.6	31	0.208	6.07	70	CLEAR / NO ODOR
1527	3.0	60.0	1.4	59.88	7.07	23.6	32	0.208	6.07	70	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
1445	1527	1.4	61.00	3	65.39	59.88	1530	WCC-075-WG091307-0001

Notes: FERROUS IRON – 0.00 mg/L

DISPOSED OF WATER IN COMPOUND

ft-bmp = feet below measuring point

BOE-C6-0055867

Groundwater Sampling Data Sheet

TAIT Environmental Management, Inc

Project Name: FORMER C-6	**Date:** 9-14-07
Project No.: EM 2727.01	**Prepared By:** JA
Well Identification: WCC-4S	**Weather:** SUNNY / COOL
Measurement Point Description: TOC, N	**Pump Intake:** 79 / **Screen:** 70.5-90.5

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	Screen Volume (Screen length x D)	½ screen Volume
---	59.37	90.15	30.78	---	—	—	—	7.23	13	6.5

	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/ DED/CUTTED 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
0719	ABOVE	7.5	1.3	59.63	6.54	24.4	19	0.250	6.89	72	CLEAR/NO ODOR
0724	0.5	14	1.3	59.70	6.6	24.3	20	0.248	6.78	37	CLEAR/NO ODOR
0729	1.0	20.5	1.3	59.75	6.6	24.2	22	0.247	6.67	30	CLEAR/NO ODOR
0734	1.5	27	1.3	59.80	6.6	24.0	20	0.241	6.40	28	CLEAR/NO ODOR
0739	2.0	33.5	1.3	59.85	6.6	24.0	21	0.239	6.35	20	CLEAR/NO ODOR
0744	2.5	40	1.3	59.85	6.6	24.0	20	0.239	6.34	20	CLEAR/NO ODOR
0749	3.0	46.5	1.3	59.90	6.6	24.0	20	0.239	6.34	20	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
0713	0749	1.3	47	ABOVE: 7.5 SCREEN: 3	65.53	59.90	0750	WCC-4S_W609140 7-0001

Notes: * INITIAL WATER COLOR: CLEAR

* PURGED WATER INTO COMPOUND TANK

ft-bmp = feet below measuring point

BOE-C6-0055868

Groundwater Sampling Data Sheet

TAIT Environmental Management, Inc

Project Name: FORMER C-6	**Date:** 9-14-07
Project No.: EM 27.27-01	**Prepared By:** JA
Well Identification: MWB007	**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
---	58.33	89.85	31.52	--	20.49	61.47	10.25	—	—	—

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: 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
0854	0.5	10.5	1.5	58.65	6.9	23.0	0.0	0.232	6.25	130	CLEAR/NO ODOR
0901	1.0	27	1.5	58.65	6.9	23.0	0.0	0.229	6.14	121	CLEAR/NO ODOR
0908	1.5	31.5	1.5	58.70	6.9	23.0	0.0	0.231	6.08	118	CLEAR/NO ODOR
0915	2.0	42	1.5	58.71	6.8	22.9	0.0	0.231	5.80	117	CLEAR/NO ODOR
0922	2.5	52.5	1.5	58.75	6.8	22.9	0.0	0.229	5.76	118	CLEAR/NO ODOR
0929	3.0	63	1.5	58.75	6.8	22.9	0.0	0.229	5.76	118	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
0847	0929	1.5	64	3.0	64.63	58.75	0930	MWB007-WG091407-0001

* PURGED WATER INTO GROUND TANK

Notes: * INITIAL WATER COLOR: CLEAR

ft-bmp = feet below measuring point

BOE-C6-0055869

Groundwater Sampling Data Sheet

TAIT Environmental Management, Inc

Project Name: Former C-6	**Date:** 9-14-07
Project No.: EM 2727-01	**Prepared By:** JA
Well Identification: EWC-001	**Weather:** Sunny / warm
Measurement Point Description: TOC, N	**Pump Intake:** 103.5 **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
---	59.95	122	62.05	---	—	—	—	23.43	15	7.5

	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: JA 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
1105	ABOVE	23.50	1.3	60.50	6.7	23.7	103	0.181	0.10	270	CLEAR/BAD ODOR
1111	0.5	31	1.3	60.55	6.7	23.7	100	0.182	0.02	269	CLEAR/BAD ODOR
1117	1.0	38.5	1.3	60.55	6.7	23.7	98	0.178	0.00	270	CLEAR/BAD ODOR
1123	1.5	46	1.3	60.57	6.7	23.6	109	0.180	0.00	268	CLEAR/BAD ODOR
1129	2.0	53.5	1.3	60.60	6.7	23.6	111	0.181	0.00	266	CLEAR/BAD ODOR
1135	2.5	61	1.3	60.60	6.7	23.7	108	0.181	0.00	266	CLEAR/BAD ODOR
1141	3.0	68.5	1.3	60.65	6.7	23.7	108	0.181	0.00	266	CLEAR/BAD 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
1047	1141	1.3	69	ABOVE: 2.25 SCREEN: 3.0	72.36	60.65	1142	EWC001_WG091407_0001 EWC001_WG091407-0002

Notes: * INITIAL WATER COLOR: LIGHT BROWN

* PURGED WATER INTO COMPOUND TANK

ft-bmp = feet below measuring point

BOE-C6-0055870

Groundwater Sampling Data Sheet

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TAIT Environmental Management, Inc

Project Name: FORMER C-6 SEPT 07 EVENT	**Date:** 9/14/07
Project No.: EM 2727	**Prepared By:** LW
Well Identification: MW C023	**Weather:** SUNNY ~ 80°F
Measurement Point Description: TOC (N)	**Pump Intake:** ~ 105' **Screen:** 97'-117'

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
---	1 58.88 2 58.88 3 58.88	115.00	56.12	---	N/A	N/A	N/A	25.0	13.0	6.5

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: 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
936	ABOVE	25.0	1.5	63.33	7.10	23.4	20	0.15	5.16	20	CLEAR / NO ODOR
941	0.5	31.5	1.3	63.40	7.11	23.4	19	0.15	4.76	15	CLEAR / NO ODOR
946	1.0	38.0	1.3	63.52	7.12	23.5	18	0.15	4.48	10	CLEAR / NO ODOR
951	1.5	44.5	1.3	63.64	7.12	23.6	16	0.15	4.40	9	CLEAR / NO ODOR
956	2.0	51.0	1.3	63.76	7.12	23.6	14	0.15	4.39	9	CLEAR / NO ODOR
1001	2.5	57.5	1.3	63.86	7.12	23.6	14	0.15	4.39	9	CLEAR / NO ODOR
1006	3.0	64.0	1.3	63.91	7.12	23.6	14	0.15	4.39	9	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
9:20	1006	LW ~~0.0~~	66.0	ABOVE 3 SCREEN	70.10	63.91	1008	MWC023-WG091407.0001

Notes: FERROUS IRON –
HYDROGEN SULFIDE –

DISPOSED OF WATER IN COMPOUND

ft-bmp = feet below measuring point

BOE-C6-0055871

Groundwater Sampling Data Sheet

TAIT Environmental Management, Inc

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Project Name: FORMER C-6 SEPT 07 EVENT	**Date:** 9/14/07
Project No.: EM 2727	**Prepared By:** LW
Well Identification: WCC_03S	**Weather:** SUNNY ~ 70°F
Measurement Point Description: TOC (N)	**Pump Intake:** ~ 79' **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	Screen Volume (Screen length x D)	½ screen Volume
---	1 59.87 2 59.87 3 59.87	87.87	28.00	---	N/A	N/A	N/A	~~6.00~~ 6.00 LW	13.0	6.5

	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 ABOVE	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
7:55		6.0	1.2	60.30	6.59	22.7	78	0.420	8.08	100	CLEAR/NO ODOR
800	0.5	12.5	1.3	60.31	6.60	22.8	70	0.410	7.92	80	CLEAR/NO ODOR
805	1.0	19.0	1.3	60.32	6.62	22.8	50	0.400	7.90	65	CLEAR/NO ODOR
810	1.5	25.5	1.3	60.33	6.63	22.8	40	0.400	7.88	62	CLEAR/NO ODOR
815	2.0	32.0	1.3	60.33	6.63	22.8	36	0.400	7.88	60	CLEAR/NO ODOR
820	2.5	38.5	1.3	60.34	6.63	22.8	35	0.400	7.88	60	CLEAR/NO ODOR
825	3.0	45.0	1.3	60.34	6.63	22.8	35	0.400	7.86	60	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
7:50	825	1.3	46 gal	ABOVE 3 SCREEN	65.47	60.34	826	WCC_03S_WG_091407_0001

Notes: FERROUS IRON ~
HYDROGEN SULFIDE ~

DISPOSED OF WATER IN CONTAINER

ft-bmp = feet below measuring point

BOE-C6-0055872

September 2007 Semi-Annual and Quarterly Monitoring Program

Former C-6 Facility

Los Angeles, California

	Well ID	Date	Time	Ferrous Iron (mg/L) (Field Measurement)	Hydrogen Sulfide (mg/L) (Field Measurement)	Dissolved Oxygen (Field Measurement)	Recorded By	Equipment Type	Comments
1	MWC007	9/13/07	1655	0.11 mg/L	N/A	N/A	LW	Hach DR/890	
2	WCC_05S	9/13/07	1705	0.02 mg/L	N/A	N/A	LW	Hach DR/890	
3	MWB020	9/13/07	1715	0.08 mg/L	N/A	N/A	LW	Hach DR/890	
4	MWC022	9/13/07	1725	0.05 mg/L	N/A	N/A	LW	Hach DR/890	
5	MWC004	9/13/07	1735	0.00 mg/L	N/A	N/A	LW	Hach DR/890	
6	WCC_07S	9/13/07	1745	0.00 mg/L	N/A	N/A	LW	Hach DR/890	
7	MWB027	9/13/07	1755	0.26 mg/L	N/A	N/A	LW	Hach DR/890	
8	WCC_03S	9/14/07	1145	2.13 mg/L	0.159 mg/L	N/A	LW	Hach DR/890	
9	MWC023	9/14/07	1205	0.22 mg/L	0.0212 mg/L	4.00	LW	Hach DR/890	
10	WCC_04S	9/14/07	1225	0.03 mg/L	0.0318 mg/L	N/A	LW	Hach DR/890	
11	MWB007	9/14/07	1245	0.05 mg/L	0.00318 mg/L	N/A	LW	Hach DR/890	
12	EWC001	9/14/07	1305	2.62 mg/L	0.0848 mg/L	N/A	LW	Hach DR/890	
13								Hach DR/890	
14								Hach DR/890	
15								Hach DR/890	
16								Hach DR/890	
17									
18									
19									
20									

BOE-C6-0055873

Groundwater Sampling Data Sheet

TAIT Environmental Management, Inc

Project Name: Former C-6	**Date:** 9-17-07
Project No.: EM 2727-01	**Prepared By:** JA
Well Identification: XMW-19	**Weather:** SUNNY / WARM
Measurement Point Description: TOC, NORTH	**Pump Intake:** 72
	Screen: 63-79

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
---	56.91	77.0	20.09	---	–	–	–	3.96	10.4	5

	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/ 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
0938	ABOVE	4	0.65	57.07	6.4	26.5	462	0.230	9.08	123	CLOUDY / NO ODOR
0946	0.5	9	0.65	57.15	6.4	26.0	168	0.222	9.28	78	CLOUDY / NO ODOR
0954	1.0	14	0.65	57.16	6.5	25.8	76.8	0.213	8.57	59	CLEAR / NO ODOR
1002	1.5	19	0.65	57.16	6.5	25.7	58.0	0.212	8.63	58	CLEAR / NO ODOR
1010	2.0	24	0.65	57.17	6.5	25.7	55.7	0.212	8.65	57	CLEAR / NO ODOR
1018	2.5	29	0.65	57.20	6.5	25.5	53.3	0.212	8.66	52	CLEAR / NO ODOR
1026	3.0	34	0.65	57.25	6.5	25.5	53.2	0.212	8.65	50	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
0932	1026	0.65	34	ABOVE-4 SCREEN:3	60.93	57.25	1027	XMW-19-WG-091707-0001

Notes: * INITIAL WATER COLOR: YELLOW/ORANGE

FERROUS IRON ~ 0.07 mg/L

* PURGED WATER INTO COMPANY TANK

ft-bmp = feet below measuring point

BOE-C6-0055874

September 2007 Semi-Annual and Quarterly Monitoring Program

Former C-6 Facility

Los Angeles, California

	Well ID	Date	Time	Ferrous Iron (mg/L) (Field Measurement)	Hydrogen Sulfide (mg/L) (Field Measurement)	Dissolved Oxygen (Field Measurement)	Recorded By	Equipment Type	Comments
1	XMW_19	9/17/07	1730	0.07 mg/L	N/A	N/A	LW	Hach DR/890	
2	MWB013	9/17/07	1700	0.05 mg/L	N/A	N/A	LW	Hach DR/890	
3	TMW_14	9/17/07	1715	0.06 mg/L	N/A	N/A	LW	Hach DR/890	
4	TMW_11	9/17/07	1745	0.04 mg/L	N/A	N/A	LW	Hach DR/890	
5	TMW_10	9/17/07	1800	0.02 mg/L	N/A	N/A	LW	Hach DR/890	
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									

BOE-C6-0055875

TAIT Environmental Management, Inc

Groundwater Sampling Data Sheet

Project Name: Former C-6	**Date:** 9-17-07
Project No.: EM 2727-01	**Prepared By:** JA
Well Identification: MWB013	**Weather:** Sunny / Cool
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
---	62.63	85.10	22.47	---	–	–	–	1.5	13	6.5

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~~ HORIBA (RENTED) FROM ENVIRO SUPPLY

Purge Method: 2" GRUNDFOS PUMP W/ NEW 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
0724	ABOVE	1.5	1.5	63.00	6.7	23.90	9.8	0.192	10.90	228	CLEAR/NO ODOR
0729	0.5	8	1.3	63.05	6.8	24.41	0.0	0.192	10.49	197	CLEAR/NO ODOR
0734	1.0	14.5	1.3	63.05	6.9	24.47	0.0	0.196	10.29	182	CLEAR/NO ODOR
0739	1.5	21	1.3	63.10	6.9	24.47	0.0	0.196	10.28	181	CLEAR/NO ODOR
0744	2.0	27.5	1.3	63.15	6.9	24.34	0.0	0.201	10.08	174	CLEAR/NO ODOR
0749	2.5	34	1.3	63.20	6.9	24.38	0.0	0.201	10.07	172	CLEAR/NO ODOR
0754	3.0	40.5	1.3	63.25	6.9	24.38	0.0	0.201	10.07	172	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
0723	0754	1.3	40.5	ABOVE: 1.5 SCREEN: 3.0	67.12	63.25	0755	MWB013-WG091707-0001

Notes: * INITIAL WATER COLOR: CLEAR
* ADDED NEW TUBING

* PURGED WATER INTO COMPOUND TANK

ft-bmp = feet below measuring point

BOE-C6-0055876

Groundwater Sampling Data Sheet

TAIT Environmental Management, Inc

Page ___ of ___

Project Name: FORMER C-6 SEPT 07 EVENT	**Date:** 9/17/07
Project No.: EM 2727	**Prepared By:** LW
Well Identification: MWB013	**Weather:** SUNNY / 70°F
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
---	① 62.63 ② 62.63 ③ 62.63	85.10	22.47	---	N/A	N/A	N/A	15	13	6.5

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~~ YSI (TAIT OWNED)

Purge Method: 2" GRUNDFOS PUMP W/ NEW 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
0724	ABOVE	1.5	1.5	63.00	6.7	23.85	10.1	0.194	10.82	231	CLEAR / NO ODOR
0729	0.5	8.0	~~1.3~~	63.05	6.7	24.40	0.1	0.195	10.52	200	CLEAR / NO ODOR
0734	1.0	14.5	1.3	63.05	6.7	24.45	0.0	0.195	10.31	184	CLEAR / NO ODOR
0739	1.5	21	1.3	63.10	6.7	24.46	0.0	0.195	10.31	184	CLEAR / NO ODOR
0744	2.0	27.5	1.3	63.15	6.7	24.36	0.0	0.197	10.14	175	CLEAR / NO ODOR
0749	2.5	34	1.3	63.20	6.7	24.40	0.0	0.197	10.14	176	CLEAR / NO ODOR
0754	3.0	40.5	1.3	63.25	6.7	24.39	0.0	0.197	10.14	175	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
0723	0754	1.3	40.5	ABOVE 1.5 3 SCREEN	67.12	63.25	0755	MWB013_WG091707-0001

Notes: FERROUS IRON: 0.05 mg/L

PURGED WATER IN COMPOUND

ft-bmp = feet below measuring point

BOE-C6-0055877

TAIT Environmental Management, Inc

Groundwater Sampling Data Sheet

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Project Name: FORMER C-1 SEPT 07 event	**Date:** 9/17/07
Project No.: EM 2727	**Prepared By:** LW
Well Identification: TMW-14	**Weather:** SUNNY ~ 75°F
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
---	1 67.30 2 67.30 3 67.30	84.84	17.54	---	2.80	8.5	1.4	N/A	N/A	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, ~~[illegible]~~ YSI METER

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
1032	0.5	1.4	0.7	67.59	6.8	24.4	480	0.300	7.82	50	CLOUDY / NO ODOR
1034	1.0	2.8	0.7	67.62	6.8	24.5	400	0.300	7.61	40	CLOUDY / NO ODOR
1036	1.5	4.2	0.7	67.64	6.8	24.5	310	0.300	7.60	41	CLOUDY / NO ODOR
1038	2.0	5.6	0.7	67.65	6.8	24.5	280	0.300	7.63	46	CLOUDY / NO ODOR
1040	2.5	7.0	0.7	67.66	6.8	24.5	100	0.300	7.63	47	CLOUDY / NO ODOR
1042	3.0	8.4	0.7	67.67	6.8	24.5	100	0.300	7.64	47	CLEAR / NO ODOR

Purge Start Time	Purge End Time	Average Flow (gpm)	Total Gallons Purged	Total Casing Volumes Purged	80% Recovery Water Level Depth B - (C x .80)	Water Level at Sampling Time (ft-bmp)	Sample Collection Time	Sample Identification
1030	1042	0.7	10.0	3.0	70.80	67.67	1044	TMW_14_WG091707_0001 Dup.

Notes: FERROUS IRON: 0.06 mg/L

Drum No.: PURGED WATER IN COMPOUND

ft-bmp = feet below measuring point

BOE-C6-0055878

Groundwater Sampling Data Sheet

TAIT Environmental Management, Inc

Project Name: FORMER C-6	**Date:** 9-17-07
Project No.: EM 2727.01	**Prepared By:** JA
Well Identification: TMW-11	**Weather:** SUNNY/WARM
Measurement Point Description: TOC, N	**Pump Intake:** 68 **Screen:** 58-78

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
---	57.92	76.35	18.43	—	2.95	8.85	1.50	—	—	—

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: 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
1337	0.5	1.5	0.3	58.0	6.4	25.6	369	0.159	8.59	122	CLOUDY/NO ODOR
1342	1.0	3.0	0.3	58.0	6.3	25.5	276	0.161	8.34	122	CLOUDY/NO ODOR
1347	1.5	4.5	0.3	58.0	6.3	25.5	147	0.161	8.19	122	CLOUDY/NO ODOR
1352	2.0	6.0	0.3	58.0	6.3	25.4	73.2	0.160	8.12	123	CLOUDY/NO ODOR
1357	2.5	7.5	0.3	58.0	6.3	25.4	52.1	0.160	7.89	122	CLOUDY/NO ODOR
1402	3.0	9	0.3	58.0	6.3	25.4	46.9	0.160	7.90	122	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
1332	1402	0.3	9	3.0	61.61	58.0	1403	TMW-11-WG091707-0001

Notes: * INITIAL WATER COLOR: CLOUDY

FERROUS IRON —

* PURGED WATER INTO COMPOUND TANK.

ft-bmp = feet below measuring point

BOE-C6-0055879

Groundwater Sampling Data Sheet

TAIT Environmental Management, Inc

Project Name: Former C-6	**Date:** 9-17-07
Project No.: EM 2727.01	**Prepared By:** JA
Well Identification: TMW-10	**Weather:** Sunny/warm
Measurement Point Description: TOC, N	**Pump Intake:** 68
	Screen: 60.5 – 80.5

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	Screen Volume (Screen length x D)	½ screen Volume
---	57.60	77.80	20.2	---	3.23	9.69	1.6	–	–	–

57.60

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
1203	0.5	0.4	2.0	57.70	6.3	25.8	319.0	0.267	6.11	85	CLOUDY / NO ODOR
1208	1.0	0.4	4.0	57.70	6.2	26.1	157	0.267	5.38	90	CLOUDY / NO ODOR
1213	1.5	0.4	6.0	57.72	6.2	26.3	44.8	0.270	5.19	89	CLEAR / NO ODOR
1218	2.0	0.4	8.0	57.72	6.2	26.6	40.0	0.271	5.14	88	CLEAR / NO ODOR
1223	2.5	0.4	10.0	57.74	6.2	26.7	22.3	0.272	5.15	86	CLEAR / NO ODOR
1228	3.0	0.4	12.0	57.74	6.2	26.7	21.2	0.272	5.15	86	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
1158	1228	0.4	12	3.0	61.64	57.74	1229	TMW_10_WG091707-0001

Notes: * INITIAL WATER COLOR: CLOUDY

* PURGED WATER INTO CONTAINED TANK

FERROUS STRONG —

ft-bmp = feet below measuring point

BOE-C6-0055880

Groundwater Sampling Data Sheet

TAIT Environmental Management, Inc

Page ___ of ___

Project Name: FORMER C-6 SEPT 07 EVENT	**Date:** 9/18/07
Project No.: EM 2727	**Prepared By:** LW
Well Identification: CMW_001	**Weather:** OVERCAST ~ 70°F
Measurement Point Description: TOC (N)	**Pump Intake:** 110' **Screen:** 99-124

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)	TUBING ~~Above~~ Screen Volume (Top screen – DTW)x D	Screen Volume (Screen length x D)	½ screen Volume
---	63.10 63.10 63.10	124.26	61.16	---	N/A	N/A	N/A	4.0 L	N/A	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~~ YSI MOTER

Purge Method: S.S. MONSOON

Well Condition: GOOD

Time	Casing/ Screen	Volume Purged (~~gallons~~ Liters)	Flow Rate (~~gpm~~ LPM)	Water Level (ft-bmp)	Ph	Temperature (°C)	Turbidity (NTU)	Conductivity (S/M)	Dissolved Oxygen (mg/L)	ORP (mV)	Observations
710	INITIAL PURGE	5.0 L	0.5	63.19	7.90	23.0	10.0	0.952	3.80	30	CLEAR/ NO ODOR
720	1.0	7.5 L	0.5	63.20	7.92	23.0	7.0	0.950	3.75	25	CLEAR/ NO ODOR
730	2.0	10.0 L	0.5	63.20	7.93	23.0	6.9	0.950	3.70	20	CLEAR/ NO ODOR
740	3.0	12.5 L	0.5	63.20	7.92	23.0	6.9	0.950	3.72	20	CLEAR/ NO ODOR
750	4.0	15.0 L	0.5	63.20	7.92	23.0	6.9	0.950	3.72	20	CLEAR/ NO ODOR

Purge Start Time	Purge End Time	Average Flow (~~gpm~~)	Total ~~Gallons~~ Liters 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
7:00	750	0.5	15.0 L	4 TUBING VOLUME	N/A	63.20	751	CMW_001-WG 091807-0001

Notes: FERROUS IRON ~ ~~0.0~~ 0.12 mg/L
HYDROGEN SULFIDE ~ 0.0106 mg/L

DISPOSED OF WATER IN COMPOUND

ft-bmp = feet below measuring point

BOE-C6-0055881

Groundwater Sampling Data Sheet

TAIT Environmental Management, Inc

Page ___ of ___

Project Name: FORMER C-6 SEPT 07 EVENT	**Date:** 9/18/07
Project No.: EM 2727	**Prepared By:** LW
Well Identification: IRZCMW002	**Weather:** OVERCAST ~ 70°F
Measurement Point Description: TOC (N)	**Pump Intake:** 108.5' **Screen:** 96'-121'

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)	TUBING ~~Above~~ Screen Volume (Top screen – DTW)x D	Screen Volume (Screen length x D)	½ screen Volume
---	62.15 62.15 62.15	121.40		---	N/A	N/A	N/A	5.0	N/A	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~~ VSR MOTOR

Purge Method: S.S MONSOON

Well Condition: GOOD

Time	Casing/ Screen	Volume Purged ~~(gallons)~~ (Liters)	Flow Rate ~~(gpm)~~ (LPM)	Water Level (ft-bmp)	Ph	Temperature (°C)	Turbidity (NTU)	Conductivity (S/M)	Dissolved Oxygen (mg/L)	ORP (mV)	Observations
835	INITIAL PURGED	5.0(L)	1.0	62.29	6.92	22.6	50.0	0.222	0.00	48	CLEAR / NO ODOR
838	1.0	7.5(L)	1.0	62.30	6.93	22.6	49.8	0.222	0.00	46	CLEAR / NO ODOR
841	2.0	10.0(L)	1.0	62.30	6.93	22.6	49.8	0.222	0.00	47	CLEAR / NO ODOR
844	3.0	12.5(L)	1.0	62.30	6.93	22.6	49.8	0.222	0.00	47	CLEAR / NO ODOR

Purge Start Time	Purge End Time	Average Flow ~~(gpm)~~ (LPM)	Total ~~Gallons~~ Purged Liters	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
830	844	~~1.0~~ 1.0	12.5(L)	3	N/A	62.30	845	IRZCMW002 – WG091807-0001

Notes: FERROUS IRON ~ 2.41 mg/L
HYDROGEN SULFIDE ~ 0.0636 mg/L

DISPOSED OF WATER IN COMPOUND

ft-bmp = feet below measuring point

BOE-C6-0055882

Groundwater Sampling Data Sheet

TAIT Environmental Management, Inc

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Project Name: FORMER C-6 SEPT 07 EVENT	**Date:** 9/18/07
Project No.: EM 2727	**Prepared By:** LW
Well Identification: CMW026	**Weather:** OVERCAST
Measurement Point Description: TOC (N)	**Pump Intake:** 100' / **Screen:** 92-117'

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 ~~Screen~~ Volume (Screen length x D)	½ screen Volume
---	59.73 59.73 59.73	118.20	58.47	--	N/A	N/A	N/A	N/A	4.2	N/A

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~~ YSI METER

Purge Method: S.S. MONSOON

Well Condition: GOOD

Time	Casing/ Screen	Volume Purged (~~gallons~~ Liters)	Flow Rate (lpm)	Water Level (ft-bmp)	Ph	Temperature (°C)	Turbidity (NTU)	Conductivity (S/M)	Dissolved Oxygen (mg/L)	ORP (mV)	Observations
LW 1057 954	INITIAL PURGED	6.0 (L)	1.0	59.85	6.49	22.9	46.0	0.230	3.02	100	CLEAR / NO ODOR
LW 1054 954	1.0	8.5 (L)	0.5	59.86	6.51	22.9	40.0	0.230	2.85	90	CLEAR / NO ODOR
LW 1057 957	2.0	11.0 (L)	0.5	59.86	6.51	22.8	40.0	0.230	2.86	89	CLEAR / NO ODOR
1000	3.0	13.5 (L)	0.5	59.86	6.51	22.8	40.0	0.230	2.85	89	CLEAR / NO ODOR

Purge Start Time	Purge End Time	Average Flow (lpm)	Total ~~Gallons~~ Liters 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
LW 0945	1000	0.5 (L)	13.5 (L)	N/A	N/A	59.86	1000	CMW026-WG092807_0001

Notes: FERROUS IRON ~ 1.75 mg/L
D.O. ~ 2.0%

WATER DISPOSED IN COMPOUND

ft-bmp = feet below measuring point

BOE-C6-0055883

Groundwater Sampling Data Sheet

TAIT Environmental Management, Inc

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Project Name: FORMER C-6 SEPT 07 EVENT	**Date:** 9/18/07
Project No.: EM 2727	**Prepared By:** LW
Well Identification: CMW002	**Weather:** SUNNY ~ 80°F
Measurement Point Description: TOC(N)	**Pump Intake:** 110' **Screen:** 99'-124'

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)	TUBING ~~Above~~ Screen Volume (Top screen – DTW)x D	Screen Volume (Screen length x D)	½ screen Volume
	61.53									
---	61.53 61.53	124.05	62.52	---	N/A	N/A	N/A	4.0(L)	N/A	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~~ YSI 556 METER

Purge Method: S.S. MONSOON

Well Condition: GOOD

Time	Casing/ Screen	Volume Purged (~~gallons~~ Liters)	Flow Rate (lpm)	Water Level (ft-bmp)	Ph	Temperature (°C)	Turbidity (NTU)	Conductivity (S/M)	Dissolved Oxygen (mg/L)	ORP (mV)	Observations
1310	INITIAL PURGE	5.0(L)	0.5	61.60	6.71	23.4	16.2	81.0	6.20	59	CLEAR / NO ODOR
1315	1.0	7.5(L)	0.5	61.61	6.74	23.4	16.0	81.2	6.00	58	CLEAR / NO ODOR
1320	2.0	10 (L)	0.5	61.62	6.74	23.4	15.9	81.1	5.90	58	CLEAR / NO ODOR
1325	3.0	12.5(L)	0.5	61.62	6.74	23.4	15.9	81.1	5.90	59	CLEAR / NO ODOR

Purge Start Time	Purge End Time	Average Flow (lpm)	Total ~~Gallons~~ Liters 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
1300	1325	0.5(L)	13.0(L)	N/A	N/A	61.62	1326	CMW002-WG091807-0001

Notes: FERROUS IRON = 0.01 mg/L

DISPOSED OF WATER IN COMPOUND

ft-bmp = feet below measuring point

BOE-C6-0055884

Groundwater Sampling Data Sheet

TAIT Environmental Management, Inc

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Project Name: FORMER C-6 SEPT 07 EVENT	**Date:** 9/18/07
Project No.: EM 2727	**Prepared By:** LW
Well Identification: IRZCMW0001	**Weather:** Sunny ~ 80°F
Measurement Point Description: TOC(N)	**Pump Intake:** 105' **Screen:** 92'-117'

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 ~~Screen~~ Volume (Screen length x D)	½ screen Volume
---	59.94 59.94 59.94	116.40	56.46	---	N/A	N/A	N/A	N/A	3.8(L)	N/A

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~~ YSI meter

Purge Method: SS MONSOON

Well Condition: GOOD

Time	Casing/ Screen ~~Initial~~	Volume Purged (~~gallons~~) Liters	Flow Rate (~~g~~pm)	Water Level (ft-bmp)	Ph	Temperature (°C)	Turbidity (NTU)	Conductivity (S/m)	Dissolved Oxygen (mg/L)	ORP (mV)	Observations
1455	PURGE	5.0 (L)	0.5	60.02	7.05	23.4	20	0.14	5.99	35	CLEAR / NO ODOR
1500	1.0	7.5(L)	0.5	60.03	7.06	23.5	16	0.14	5.95	30	CLEAR / NO ODOR
1505	2.0	10.0(L)	0.5	60.03	7.06	23.5	15	0.14	5.96	25	CLEAR / NO ODOR
1510	3.0	12.5(L)	0.5	60.03	7.06	23.5	15	0.14	5.96	26	CLEAR / NO ODOR
1515	4.0	15.0(L)	0.5	60.03	7.06	23.5	15	0.14	5.96	26	CLEAR / NO ODOR

Purge Start Time	Purge End Time	Average Flow (~~g~~pm)	Total ~~Gallons~~ Purged Liters	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
1445	1515	0.5(L)	15.0(L)	N/A	N/A	60.03	1516	IRZCMW0001-WG091807-0001

Notes: FERROUS IRON ~ 0.00 mg/L

~~GAM~~ DISPOSED OF WATER IN COMPOUND

ft-bmp = feet below measuring point

BOE-C6-0055885

Groundwater Sampling Data Sheet

TAIT Environmental Management, Inc

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Project Name: FORMER C-6 SEPT 07 EVENT	**Date:** 9/18/07
Project No.: EM 2727	**Prepared By:** LW
Well Identification: IRZCMW003	**Weather:** SUNNY ~ 80°F
Measurement Point Description: TOC (N)	**Pump Intake:** 105' / **Screen:** 92-117

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 ~~Screen~~ Volume (Screen length x D)	½ screen Volume
	59.82								Liters	
---	59.82 59.82	117.65	57.83	---	N/A	N/A	N/A	N/A	3.8(L)	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~~ YSI meter

Purge Method: S.S. MONSOON

Well Condition: GOOD

Time	Casing/ Screen (INITIAL PURGED)	Volume Purged (~~gallons~~ Liters)	Flow Rate (gpm)	Water Level (ft-bmp)	Ph	Temperature (°C)	Turbidity (NTU)	Conductivity (S/m)	Dissolved Oxygen (mg/L)	ORP (mV)	Observations
1625		5.0(L)	0.5	59.90	7.40	23.1	25	0.811	0.00	19	CLEAR / NO ODOR
1630	1.0	7.5(L)	0.5	59.91	7.38	23.2	23	0.810	0.00	16	CLEAR / NO ODOR
1635	2.0	10.0(L)	0.5	59.91	7.39	23.2	22	0.810	0.00	17	CLEAR / NO ODOR
1640	3.0	12.5(L)	0.5	59.91	7.39	23.2	22	0.810	0.00	17	CLEAR / NO ODOR
1645	4.0	15.0(L)	0.5	59.91	7.39	23.2	22	0.810	0.00	17	CLEAR / NO ODOR

Purge Start Time	Purge End Time	Average Flow (gpm)	Total ~~Gallons~~ Liters 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
1615	1645	0.5	15.(L)	N/A	N/A	~~[illegible]~~ LW	1646	IRZCMW003-WG091807-0001
						59.91	1648	IRZCMW003-WG091807-0001

Notes: FERROUS IRON ~ 0.00 mg/L

DISPOSED OF WATER IN COMPOUND

ft-bmp = feet below measuring point

BOE-C6-0055886

178-17

Groundwater Sampling Data Sheet

TAIT Environmental Management, Inc

Project Name: FORMER C-6	**Date:** 9-18-07
Project No.: EM 2727	**Prepared By:** JA
Well Identification: MWC-021	**Weather:** CLOUDY / COOL
Measurement Point Description: TOC, N	**Pump Intake:** 110 / **Screen:** 97-117

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
---	62.50	121.75	59.25	---	—	—	—	22.43	13	6.5

62.50

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: 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 (mS/m)	Dissolved Oxygen (mg/L)	ORP (mV)	Observations
0754	ABOVE	22.5	.75	62.98	7.2	23.8	120	80.0	0.00	-64	CLEAR/ ODOR
0802	0.5	29	.74	63.00	7.2	23.8	98	80.0	0.00	-65	CLEAR/ ODOR
0812	1.0	35.5	.74	63.00	7.2	23.8	90	80.3	0.00	-67	CLEAR/ ODOR
0821	1.5	42	.74	63.02	7.2	23.8	58	80.2	0.00	-69	CLEAR/ ODOR
0830	2.0	48.5	.74	63.03	7.2	23.8	50	79.9	0.00	-71	CLEAR/ ODOR
0839	2.5	55	.74	63.05	7.2	23.8	47	79.9	0.00	-70	CLEAR/ ODOR
0848	3.0	61.5	.74	63.06	7.2	23.8	46	79.9	0.00	-70	CLEAR/ 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
0724	0848	.74	62	ABOVE-22.5 SCREEN-3.0	74.35	63.06	0849	MWC021_WG091807-0001

Notes: * INITIAL WATER COLOR: CLEAR

* PURGED WATER INTO GROUND TANK.

FERROUS IRON: 0.21 mg/L

ft-bmp = feet below measuring point

BOE-C6-0055887

JOB # 162

Groundwater Sampling Data Sheet

TAIT Environmental Management, Inc

Project Name: FORMER C-6	**Date:** 9-18-07
Project No.: EM 2727	**Prepared By:** JA
Well Identification: MW6-001	**Weather:** CLOUDY / COOL
Measurement Point Description: TOC, N	**Pump Intake:** 160 **Screen:** 156-186

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
---	63.38	189.95	126.57	---	—	—	—	14.82	5	2.5

63.38

	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 (mS/m)	Dissolved Oxygen (mg/L)	ORP (mV)	Observations
1202	ABOVE	15	1.0	64.20	7.7	23.5	10	57.6	10.55	-89	CLEAR/ NO ODOR
1204	0.5	17.5	1.2	64.20	7.7	23.5	8	57.7	8.24	-94	CLEAR/ NO ODOR
1206	1.0	20	1.2	64.21	7.7	23.5	5	57.7	8.04	-108	CLEAR/ NO ODOR
1208	1.5	22.5	1.2	64.23	7.6	23.5	5	57.6	7.26	-114	CLEAR/ NO ODOR
1210	2.0	25	1.2	64.23	7.6	23.5	5	57.6	6.76	-119	CLEAR/ NO ODOR
1212	2.5	27.5	1.2	64.24	7.6	23.5	4	57.6	6.73	-118	CLEAR/ NO ODOR
1214	3.0	30	1.2	64.24	7.6	23.5	4	57.6	6.73	-118	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
1147	1214	1.2	30	ABOVE-1.5 SCREEN-3.0	88.69	64.24	1215	MW6001-WG091807-0001

Notes: * INITIAL WATER COLOR: CLOUDY

* PURGED WATER INTO COMPOUND TANK

FERROUS IRON: 0.14 mg/L

ft-bmp = feet below measuring point

BOE-C6-0055888

Groundwater Sampling Data Sheet

TAIT Environmental Management, Inc

Project Name: Former C-6	**Date:** 9-18-07
Project No.: EM 2727	**Prepared By:** JA
Well Identification: TMW-15	**Weather:** Sunny/warm
Measurement Point Description: TOC,N	**Pump Intake:** 75 **Screen:** 62-87

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
---	65.48	86.90	21.42	--	3.43	10.29	1.7	–	–	–

65.48

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
1330	0.5	2	0.5	67.60	7.0	24.9	319	0.16	0.10	53	CLOUDY / NO ODOR
1334	1.0	4	0.5	67.64	7.0	25.0	298	0.16	0.00	22	CLOUDY / NO ODOR
1338	1.5	6	0.5	67.65	7.0	25.0	221	0.16	0.00	12	CLOUDY / NO ODOR
1342	2.0	8	0.5	67.90	7.0	24.8	187	0.16	0.00	12	CLOUDY / NO ODOR
1346	2.5	10	0.5	68.10	7.0	24.6	149	0.16	0.00	17	CLOUDY / NO ODOR
1350	3.0	12	0.5	68.15	7.0	24.6	150	0.16	0.00	16	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
1326	1350	0.5	12	3.0	69.76	68.15	1351	TMW-15-WG091807-0001

Notes: * INITIAL WATER COLOR: CLOUDY

* PURGED WATER INTO COMPOUND TANK

FERROUS IRON: 0.06 mg/L

ft-bmp = feet below measuring point

BOE-C6-0055889

Groundwater Sampling Data Sheet

TAIT Environmental Management, Inc

Project Name: FORMER R-6	**Date:** 9-18-07
Project No.: EM 2727	**Prepared By:** JA
Well Identification: WCC-09S	**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
---	62.25	90.0	27.75	---	18.04	54.12	9	—	—	—

	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
1507	0.5	9.0	1.0	63.07	7.0	23.8	101.0	0.20	7.87	77	CLEAR/NO ODOR
1516	1.0	18.0	1.0	63.15	7.0	23.7	86.6	0.20	7.63	70	CLEAR/NO ODOR
1525	1.5	27.0	1.0	63.13	7.0	23.7	77.0	0.20	7.54	68	CLEAR/NO ODOR
1534	2.0	36.0	1.0	63.19	7.0	23.6	73.5	0.20	7.48	66	CLEAR/NO ODOR
1543	2.5	45.0	1.0	63.19	7.0	23.6	53.7	0.20	7.41	67	CLEAR/NO ODOR
1552	3.0	54.0	1.0	63.20	7.0	23.6	53.0	0.20	7.40	66	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
1458	1552	1.0	54	3.0	67.80	63.20	1553	WCC_09S_WG091807_0001

Notes: * INITIAL WATER COLOR: CLEAR

* PURGED WATER INTO COMPOUND TANK.

FERROUS IRON = 0.04 mg/L

ft-bmp = feet below measuring point

BOE-C6-0055890

Groundwater Sampling Data Sheet

TAIT Environmental Management, Inc

Project Name: FORMER C-6	**Date:** 9-18-07
Project No.: EM 2727	**Prepared By:** JA
Well Identification: XMW-09	**Weather:** CLEAR/COOL
Measurement Point Description: TOC/N	**Pump Intake:** 72
	Screen: 66-81

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
---	61.40	76.40	15	---	–	–	–	3.0	9.75	4.9 ~~1.5~~

61.40

	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/ 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
0936	ABOVE	3	0.5	62.06	6.6	24.3	26	0.24	14.5	96	CLEAR/NO ODOR
0946	0.5	8	0.5	62.06	6.6	24.4	26	0.23	7.8	96	CLEAR/NO ODOR
0956	1.0	13	0.5	62.06	6.6	24.4	6.9	0.24	5.4	80	CLEAR/NO ODOR
1006	1.5	18	0.5	62.10	6.6	24.4	10.0	0.24	4.6	56	CLEAR/NO ODOR
1016	2.0	23	0.5	62.10	6.6	24.3	8.3	0.24	4.0	50	CLEAR/NO ODOR
1026	2.5	28	0.5	62.12	6.6	24.3	8.0	0.25	3.8	46	CLEAR/NO ODOR
1036	3.0	33	0.5	62.10	6.6	24.3	7.6	0.25	3.6	45	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
0930	1036	0.5	33	ABOVE: 3.0 SCREEN: 3.0	64.4	62.10	1037	XMW-09-WG091807-0001

Notes: * INITIAL WATER ODOR: CLEAR

* PURGED WATER INTO COMPOUND TANK.

FERROUS IRON = 0.00 mg/L

ft-bmp = feet below measuring point

BOE-C6-0055891

September 2007 Semi-Annual and Quarterly Monitoring Program

Former C-6 Facility

Los Angeles, California

	Well ID	Date	Time	Ferrous Iron (mg/L) (Field Measurement)	Hydrogen Sulfide (mg/L) (Field Measurement)	Dissolved Oxygen (Field Measurement)	Recorded By	Equipment Type	Comments
1	CMW001	9/18	1745	~~0.15~~ 0.12 mg/L	0.0106 mg/L	N/A	LW	Hach DR/890	
2	IRZCMW002	9/18	1750	2.41 mg/L	0.0636 mg/L	N/A	LW	Hach DR/890	
3	CMW026	9/18	1755	1.75 mg/L	N/A	2.0 %	LW	Hach DR/890	
4	CMW002	9/18	1800	0.01 mg/L	N/A	N/A	LW	Hach DR/890	
5	IRZCMW001	9/18	1805	0.00 mg/L	N/A	N/A	LW	Hach DR/890	
6	IRZCMW003	9/18	1810	0.00 mg/L	N/A	N/A	LW	Hach DR/890	
7	MWC021	9/18	1820	0.21 mg/L	N/A	N/A	LW	Hach DR/890	
8	MWG001	9/18	1825	0.14 mg/L	N/A	N/A	LW	Hach DR/890	
9	TMW_15	9/18	1830	0.06 mg/L	N/A	N/A	LW	Hach DR/890	
10	WCC_09S	9/18	1835	0.04 mg/L	N/A	N/A	LW	Hach DR/890	
11	XMW_09	9/18	1840	0.00 mg/L	N/A	N/A	LW	Hach DR/890	
12									
13									
14									
15									
16									
17									
18									
19									
20									

BOE-C6-0055892

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 yes No

Enforcement Action? Yes No

Client Name/Account #: Tait Environmental Management — Clara Boeru

Address: 701 North Parkcenter Drive — Clara Boeru

City/State/Zip: Santa Ana, CA 92705 — TEM09192007LW

Project Manager: Clara Boeru — C6 - Semi-Annual and Quarterly GWM Event

Telephone Number: (714) 560-8658 **Fax No.:** (714) 560-8235 — EM2727

Sampler Name: (Print) Jorge Armendariz/Lester Widner

Sampler Signature: Jorge Armendariz

Sample ID / Description	Date Sampled	Time Sampled	No. of Containers Shipped	Grab	Composite	Field Filtered	Preservative: Ice	HNO3 (Red Label)	HCl (Blue Label) *	NaOH (Orange Label)	H2SO4 Plastic (Yellow Label)	H2SO4 Glass(Yellow Label)	None (Black Label)	Other (Specify)	Matrix: Groundwater	Wastewater	Drinking Water	Sludge	Soil	Other (specify):	Analyze For: 8260B	Ethane, Ethene, Methane-RSK 175	~~Organic Acids~~ Cr6	TOC	Sulfate-EPA 300.0	Nitrite (NO2)-EPA 300.0	Nitrate (NO3)-EPA 300.0	Chloride-EPA 300.0	Total Alkalinity-EPA 310.1	Rdase Genes (rceA. vcrA and bvcA)	Qpcr	VFAs	RUSH TAT (Pre-Schedule)	TAT (10 day)	Data Validation (Tier 2)	Fax Results	Send QC with report
MWC009_WG091907_0001	9/19/07	0746	3				X		X						X						X													X			X
MWB019_WG091907_0001	9/19/07	0941	3				X		X						X						X													X	X		X
MWG002_WG091907_0001	9/19/07	0925	6	X			X		X						X						X	X	X											X			X
MWC017_WG091907_0001	9/19/07	1133	3				X		X						X						X													X			X
RB_TAIT091907_0001	9/19/07	0945	3				X		X						X						X													X			X
TB_TAIT091907_0001	9/19/07	NA	3				X		X						X						X													X			X

Special Instructions:

RB = Rinseate blank (or equipment blank)

* MWG002 - Cr6, NITRATE = 24HR RUSH

Laboratory Comments:

Temperature Upon Receipt: 5.7°C

Sample Containers Intact? Y N

VOCs Free of Headspace? Y N

Method of Shipment:

Relinquished by:	Date	Time	Received by:	Date	Time
Jorge Armendariz	9-19-07	1303			
Relinquished by:	**Date**	**Time**	**Received by TestAmerica:**	**Date**	**Time**
			Hamid El	9-19-07	1303

BOE-C6-0055893

Groundwater Sampling Data Sheet

TAIT Environmental Management, Inc

Project Name: FORMER C6
Date: 9-19-07
Project No.: EM 2727
Prepared By: JA
Well Identification: MWC009
Weather: CLOUDY / COOL
Measurement Point Description: TOC IN
Pump Intake: 107'
Screen: 97-117

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
---	61.77	119.50	57.73	--	—	—	—	22.90	13	6.5

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: 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 (mS/m)	Dissolved Oxygen (mg/L)	ORP (mV)	Observations
0715	ABOVE	23.0	1.5	62.27	7.35	23.5	13.3	77.1	0.10	96	CLEAR/NO ODOR
0720	0.5	29.5	1.3	62.30	7.33	23.4	12.1	77.4	0.00	87	CLEAR/NO ODOR
0725	1.0	36.0	1.3	62.32	7.31	23.4	3.3	76.5	0.00	79	CLEAR/NO ODOR
0730	1.5	42.5	1.3	62.33	7.31	23.4	4.6	76.5	0.00	73	CLEAR/NO ODOR
0735	2.0	49.0	1.3	62.35	7.31	23.4	2.9	76.3	0.00	68	CLEAR/NO ODOR
0740	2.5	55.5	1.3	62.35	7.30	23.4	2.8	76.3	0.00	62	CLEAR/NO ODOR
0745	3.0	62.0	1.3	62.35	7.30	23.4	2.4	76.3	0.00	60	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
0700	0745	1.3	62	PIPE: 23 SCREEN: 3.0	73.32	62.35	0746	MWC009-WG091907-0001

Notes: * INITIAL WATER COLOR: CLEAR
* PURGED WATER INTO COMPOUND TANK.

FERROUS IRON: 0.01 mg/L

ft-bmp = feet below measuring point

BOE-C6-0055894

Groundwater Sampling Data Sheet

TAIT Environmental Management, Inc

Project Name: FORMER C-6	**Date:** 9-19-07
Project No.: EM 2727	**Prepared By:** JA
Well Identification: MWB019	**Weather:** CLOUDY/COOL
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
---	63.58 63.58 63.58	85.0	21.42	--	13.92	41.76	6.9	~~0.98~~	—	—

	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
0905	0.5	7.0	1.0	63.83	6.7	23.8	17.2	0.262	9.18	159	CLEAR/NO ODOR
0912	1.0	14.0	1.0	63.85	6.7	23.9	9.7	0.265	7.82	156	CLEAR/NO ODOR
0919	1.5	21.0	1.0	63.86	6.7	23.9	9.4	0.263	7.55	154	CLEAR/NO ODOR
0926	2.0	28.0	1.0	63.87	6.7	23.9	1.9	0.263	7.44	155	CLEAR/NO ODOR
0933	2.5	35.0	1.0	63.89	6.7	23.9	1.1	0.263	7.38	156	CLEAR/NO ODOR
0940	3.0	42.0	1.0	63.89	6.7	23.9	0.4	0.263	7.33	156	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
0858	0940	1.0	42	3.0	67.86	63.89	0941	MWB019_WG091907_0001

Notes:

FERROUS IRON: 0.09 mg/L

DISPOSED OF WATER IN COMPOUND

ft-bmp = feet below measuring point

BOE-C6-0055895

Groundwater Sampling Data Sheet

TAIT Environmental Management, Inc

Project Name: FORMER C-6	**Date:** 9-19-07
Project No.: EM 2727	**Prepared By:** SA
Well Identification: MWC017	**Weather:** CLOUDY / COOL
Measurement Point Description: TOC, N	**Pump Intake:** 110

Screen: 100 - 125

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
---	63.96	128.0	64.04	--	—	—	—	23.43	16.25	8.2

	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 (mS/m)	Dissolved Oxygen (mg/L)	ORP (mV)	Observations
1102	ABOVE	23.5	1.6	64.40	7.2	23.4	4	72.6	4.81	-132	CLEAR/LIGHT ODOR
1107	0.5	31.5	1.6	64.40	7.2	23.4	2	72.7	3.98	-103	CLEAR/ LIGHT ODOR
1112	1.0	39.5	1.6	64.40	7.2	23.4	2.7	72.2	3.00	-80	CLEAR/ NO ODOR
1117	1.5	47.5	1.6	64.40	7.2	23.4	1	73.2	2.89	-77	CLEAR/ NO ODOR
1122	2.0	55.5	1.6	64.40	7.2	23.4	0	73.2	2.56	-78	CLEAR/ NO ODOR
1127	2.5	63.5	1.6	64.40	7.2	23.4	0	73.0	2.54	-80	CLEAR/ NO ODOR
1132	3.0	71.5	1.6	64.40	7.2	23.4	0	73.1	2.54	-81	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
1047	1132	1.6	72	ABOVE: 23.5 SCREEN: 3.0	76.77	64.40	1132	MWC017-WG091807-0001

Notes: *INITIAL WATER COLOR: CLEAR w/ BAD ODOR

FERROUS IRON: 0.05 mg/L

* PURGED WATER INTO CONTAINED TANK

ft-bmp = feet below measuring point

BOE-C6-0055896

Groundwater Sampling Data Sheet

TAIT Environmental Management, Inc

Page ___ of ___

Project Name: FORMER C-6 SEPT 07 EVENT	**Date:** 9/19/07
Project No.: EM 2727	**Prepared By:** LW
Well Identification: MW002	**Weather:** OVERCAST ~ 70°F
Measurement Point Description: TOC (N)	**Pump Intake:** 175' **Screen:** 162' - 192'

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 97-67	Screen Volume (Screen length x D)	½ screen Volume
---	64.33 64.33	191.86	127.53	---	N/A	N/A	N/A	15.6	4.8	2.4

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~~ ~~YSI~~ MOTOR

Purge Method: SS MONSOON

Well Condition: GOOD

Time	Casing/ Screen ABOVE	Volume Purged (gallons)	Flow Rate (gpm)	Water Level (ft-bmp)	Ph	Temperature (°C)	Turbidity (NTU)	Conductivity (MS/M)	Dissolved Oxygen (mg/L)	ORP (mV)	Observations
847	SCREEN	16.0	0.5	65.67	7.80	23.3	54	60.0	0.00	59	CLEAR / LITTLE ODOR
853	0.5	19.0	0.5	65.68	7.79	23.3	54	60.1	0.00	50	CLEAR / LITTLE ODOR
859	1.0	22.0	0.5	65.68	7.78	23.3	50	60.2	0.00	50	CLEAR / LITTLE ODOR
905	1.5	25.0	0.5	65.68	7.78	23.3	51	60.2	0.00	45	CLEAR / LITTLE ODOR
911	2.0	28.0	0.5	65.68	7.79	23.3	52	60.2	0.00	46	CLEAR / LITTLE ODOR
917	2.5	31.0	0.5	65.68	7.79	23.3	52	60.2	0.00	46	CLEAR / LITTLE ODOR
923	3.0	34.0	0.5	65.68	7.79	23.7	52	60.2	0.00	46	CLEAR / LITTLE 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
8:15	923	0.5	34.0	ABOVE SCREEN	89.84	65.68	925	MW002-WG091907-0001

Notes: FERROUS IRON: 0.15 mg/L
HYDROGEN SULFIDE: 0.1484 mg/L

DISPOSED OF WATER IN COMPOUND

ft-bmp = feet below measuring point

BOE-C6-0055897

September 2007 Semi-Annual and Quarterly Monitoring Program

Former C-6 Facility

Los Angeles, California

	Well ID	Date	Time	Ferrous Iron (mg/L) (Field Measurement)	Hydrogen Sulfide (mg/L) (Field Measurement)	Dissolved Oxygen (Field Measurement)	Recorded By	Equipment Type	Comments
1	MWC009	9/19	1215	0.01 mg/L	N/A	N/A	LW	Hach DR/890	
2	MWB019	9/19	1230	0.09 mg/L	N/A	N/A	LW	Hach DR/890	
3	MWG002 9/19	~~9/19~~	940	0.15 mg/L	0.1484 mg/L	N/A	LW	Hach DR/890	
4	MWC017	9/19	1200	0.05 mg/L	N/A	N/A	LW	Hach DR/890	
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									

BOE-C6-0055898

Groundwater Sampling Data Sheet

TAIT Environmental Management, Inc

Page ___ of ___

Project Name: FORMER C-6 SEPT 07 EVENT	**Date:** 9/20/07
Project No.: EM 2727	**Prepared By:** CW
Well Identification: IWC001	**Weather:** SUNNY ~ 70°F
Measurement Point Description: TOC (N)	**Pump Intake:** 100' **Screen:** 95-115

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
---	62.05 62.05 62.05	114.10	52.05	---	N/A	N/A	N/A	32.95 21.42	13	6.5

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

Gallons/Foot

Field Equipment: Solinst, ~~[illegible]~~ YSI METER

Purge Method: 2" GRUNDFOS PUMP 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
634	ABOVE	21.5	1.5	63.50	7.2	22.8	4.0	0.17	5.21	20	CLEAR / NO ODOR
639	0.5	28.0	1.3	63.45	7.2	22.8	5.0	0.16	5.11	16	CLEAR / NO ODOR
644	1.0	34.5	1.3	63.44	7.1	22.8	6.0	0.16	5.03	15	CLEAR / NO ODOR
649	1.5	41.0	1.3	63.50	7.1	22.8	5.0	0.16	5.02	16	CLEAR / NO ODOR
654	2.0	47.5	1.3	63.50	7.2	22.8	6.0	0.16	5.02	16	CLEAR / NO ODOR
659	2.5	54	1.3	63.50	7.2	22.8	6.0	0.16	5.02	17	CLEAR / NO ODOR
704	3.0	60.5	1.3	63.50	7.2	22.8	6.0	0.16	5.02	17	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
6:20	704	1.3	61	ABOVE 3 SCREEN	72.46	63.50	7.05	IWC001-WG091907-0001

Notes:

FERROUS IRON : 0.03 mg/L

DISPOSED OF WATER IN COMPOUND

ft-bmp = feet below measuring point

Groundwater Sampling Data Sheet

TAIT Environmental Management, Inc

Page ___ of

Project Name: FORMER C-6 SEPT 07 EVENT	**Date:** 9/20/07
Project No.: EM 2727	**Prepared By:** CW
Well Identification: MWC024	**Weather:** SUNNY - 75°
Measurement Point Description:	**Pump Intake:** 100'
	Screen: 96'-121'

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 Ix D	Screen Volume (Screen length x D)	½ screen Volume
---	60.02 60.02 60.02	123.75	63.73	--	N/A	N/A	N/A	35.92 23.39	16.25	8.25

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~~ YSI MOTOR

Purge Method: 2" GRUNDFOS 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
806	ABOVE	24.0	1.5	60.30	6.93	22.9	2.3	0.20	7.44	60	CLEAR / NO ODOR
812	0.5	32.25	1.4	60.30	6.93	22.9	1.4	0.20	7.31	65	CLEAR / NO ODOR
818	1.0	40.25	1.4	60.29	6.93	22.9	1.0	0.21	7.20	68	CLEAR / NO ODOR
824	1.5	48.75	1.4	60.29	6.94	22.9	1.0	0.21	7.20	68	CLEAR / NO ODOR
830	2.0	57.00	1.4	60.29	6.94	22.9	1.0	0.21	7.19	67	CLEAR / NO ODOR
836	2.5	65.25	1.4	60.29	6.94	22.9	1.0	0.21	7.20	67	CLEAR / NO ODOR
842	3.0	73.50	1.4	60.29	6.94	22.9	1.0	0.21	7.20	67	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
7:50	842	1.4	74	ABOVE SCREEN	72.77	60.29	845	MWC024-WG 092007.0001

Notes:

FERROUS IRON: 0.01 mg/L

DISPOSED OF WATER IN COMPOUND

ft-bmp = feet below measuring point

BOE-C6-0055900

Groundwater Sampling Data Sheet

TAIT Environmental Management, Inc

Page ___ of ___

Project Name: FORMER C-6 SEPT 07 EVENT	**Date:** 9/20/07
Project No.: EM 2729	**Prepared By:** LW
Well Identification: IWC002	**Weather:** SUNNY ~ 79°F
Measurement Point Description: TOC (N)	**Pump Intake:** 100'
	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	Screen Volume (Screen length x D)	½ screen Volume
---	59.73 59.73 59.73	115.75	56.02	---	N/A	N/A	N/A	36.27 236	13	6.5

	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~~ YSI METER

Purge Method: 2" GRUNDFOS PUMP W/ DEDICATED

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
1006	ABOVE	24.0	1.5	61.02	7.2	23.0	10	0.13	4.90	12	CLEAR / NO ODOR
1011	0.5	30.5	1.3	61.00	7.1	22.9	5	0.14	4.80	18	CLEAR / NO ODOR
1016	1.0	37.0	1.3	61.00	7.2	22.9	6	0.13	4.80	16	CLEAR / NO ODOR
1021	1.5	43.5	1.3	60.99	7.2	23.0	7	0.13	4.70	16	CLEAR / NO ODOR
1026	2.0	50.0	1.3	60.99	7.2	23.0	8	0.13	4.70	15	CLEAR / NO ODOR
1031	2.5	56.5	1.3	60.99	7.2	23.0	8	0.13	4.70	15	CLEAR / NO ODOR
1036	3.0	63.0	1.3	60.99	7.2	23.0	8	0.13	4.70	15	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
950	1036	1.3	~~ABOVE SCREEN~~ 63.0	ABOVE SCREEN	70.93	60.99	1038	IWC002-WG092007-0001

Notes: FERROUS IRON: 0.01 mg/L

DISPOSED OF WATER IN COMPOUND

ft-bmp = feet below measuring point

BOE-C6-0055901

TAIT Environmental Management, Inc

Groundwater Sampling Data Sheet

Page ___ of ___

Project Name: FORMER C-6 SEPT 07 EVENT
Project No.: EM 2727
Well Identification: EWC002
Measurement Point Description: TOC (N)

Date: 9/20/07
Prepared By: CW
Weather: SUNNY ~ 80°F
Pump Intake: 100'
Screen: 96'-121'

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
---	60.22 60.22	120.35	60.13	--	N/A	N/A	N/A	35.78 23.25	16.25	8.2

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~~ YSI METER
Purge Method: 2" GRUNDFOS PUMP W/ DEDICATED TUBING
Well Condition: GOOD

Time	Casing/ Screen ABOVE	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
1116	Screen	24.0	1.5	60.90	7.2	23.0	9.0	0.19	5.8	70	CLEAR/ NO
1122	0.5	32.2	1.4	60.88	7.1	22.9	8.0	0.19	5.4	65	CLEAR/ NO
1128	1.0	40.4	1.4	60.87	7.0	22.9	7.0	0.19	5.5	63	CLEAR/ NO
1134	1.5	48.6	1.4	60.87	7.1	23.0	7.0	0.19	5.5	64	CLEAR/ NO
1140	2.0	56.8	1.4	60.87	7.1	23.0	8.0	0.19	5.6	64	CLEAR/ NO
1146	2.5	65.0	1.4	60.87	7.1	23.0	8.0	0.19	5.6	65	CLEAR/ NO
1152	3.0	73.2	1.4	60.82	7.1	23.0	8.0	0.19	5.6	65	CLEAR/ NO

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
11:00	1152	1.4	74	ABOVE SCREEN	72.25	60.82	1154	EWC002-WG092007-0001
							1156	EWC002-WG092007-0002

Notes: FERROUS IRON - 0.12 mg/L

DISPOSED OF WATER IN COMPOUND

ft-bmp = feet below measurion point

BOE-C6-0055902

September 2007 Semi-Annual and Quarterly Monitoring Program

Former C-6 Facility

Los Angeles, California

	Well ID	Date	Time	Ferrous Iron (mg/L) (Field Measurement)	Hydrogen Sulfide (mg/L) (Field Measurement)	Dissolved Oxygen (Field Measurement)	Recorded By	Equipment Type	Comments
1	IWC001	9/20/07	1300	0.03 mg/L	N/A	N/A	LW	Hach DR/890	
2	MWC024	9/20/07	1310	0.01 mg/L	N/A	N/A	LW	Hach DR/890	
3	IWC002	9/20/07	1320	0.01 mg/L	N/A	N/A	LW	Hach DR/890	
4	EWC002	9/20/07	1330	0.12 mg/L	N/A	N/A	LW	Hach DR/890	
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									

BOE-C6-0055903

Groundwater Sampling Data Sheet

TAIT Environmental Management, Inc

Project Name: FORMER C-6	**Date:** 9-21-07
Project No.: EM 2727	**Prepared By:** JA
Well Identification: WCC-125	**Weather:** SUNNY / COOL
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
---	58.60	92.00	33.4	---	21.71	65.13	11	—	—	—

58.60

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: 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
0724	0.5	11	1.0	59.25	6.9	24.3	101.2	0.214	4.80	73	CLEAR
0735	1.0	22	1.0	59.27	6.9	24.2	1000	0.216	4.76	50	CLEAR
0746	1.5	33	1.0	59.27	6.9	24.3	90.0	0.217	4.50	55	CLEAR
0757	2.0	44	1.0	59.28	6.9	24.4	80.0	0.217	4.44	55	CLEAR
0808	2.5	55	1.0	59.28	6.9	24.4	70.0	0.217	4.43	49	CLEAR
0819	3.0	66	1.0	59.28	6.9	24.4	70.0	0.217	4.43	48	CLEAR

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
0713	0819	1.0	66	3.0	65.28	59.28	0820	WCC-125-WG092107-0001

Notes: INITIAL WATER COLOR: CLEAR

* PURGED WATER INTO COMPOUND TANK.

FERROUS IRON: 0.00 mg/L

ft-bmp = feet below measuring point

BOE-C6-0055904

September 2007 Building 1/36 GWM Program

Former C-6 Facility

Los Angeles, California

	Well ID	Date	Time	Ferrous Iron (mg/L) (Field Measurement)	Hydrogen Sulfide (mg/L) (Field Measurement)	Dissolved Oxygen (Field Measurement)	Recorded By	Equipment Type	Comments
1	WCC_12S	9-21-07	0830	0.00 mg/L			JA	Hach DR/890	
2								Hach DR/890	
3								Hach DR/890	
4								Hach DR/890	
5									
6									
7									
8									
9									
10									
11									
12									
13									
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15									
16									
17									
18									
19									
20									

BOE-C6-0055905

EQUIPCO SALES & SERVICE www.equipcoservices.com

YSI 6820
CALIBRATION CERTIFICATE

SERVICE BY: JO

DATE: Monday, August 27, 2007

CUSTOMER: Tait Environmental Mgmt.

INSTRUMENT INFORMATION

SERIAL NUMBER: 03E0883AA

CALIBRATION INFORMATION

PARAMETERS:	STANDARDS:	PASS @	LOT#
1. CONDUCTIVITY	58700 µMhos	N/A	5549
	1000 µMhos	1000	5551
2. pH ZERO	pH 7	-9.4	6205
3. pH SLOPE	pH 4	165.7	6090
4. pH SLOPE	pH 10	185.3	6238
5. DISSOLVED OXYGEN	Air Calibration Barometric pressure = 760mmHg	100	NA
6. DISSOLVED OXYGEN ZERO TEST	(sodium sulfite)	0.0	HG180
7. TURBIDITY ZERO	0.0 NTU's	0.0	NA
8. TURBIDITY SPAN	20 NTU's	20.0	040207
9. TURBIDITY SPAN	100 NTU's	100.0	040207
10. REDOX (ORP)	237.5mV (YSI Zobell solution)	N/A	031908

2100 Meridian Park Blvd., Concord, CA. 94520 Phone (888) 234-5678 Fax (925) 305-1347

SERVICE AND WARRANTY

Repairs are warranted for 30 days from date of repair against defects in workmanship. Damage due to accidents, misuse, tampering, or failure to perform prescribed maintenance is not covered. Within the warranty period, EQUIPCO will repair, at its sole discretion, free of charge, any product that EQUIPCO determines to be covered by this warranty.

LIMITATION OF WARRANTY

This Warranty does not apply to any product damage or failure caused by (1) failure to install, operate or use the product in accordance with manufacturer procedures, (2) abuse or misuse of the product, (3) failure to maintain the product in accordance with manufacturer procedures or standard industry procedure, (4) any improper repairs to the product, (5) use by you of defective or improper components or parts in servicing or repairing the product, or (6) modification of the product in any way not expressly authorized by the manufacturer.

EQUIPCO SERVICE www.equipcoservices.com

YSI Multi-Parameter Final-Inspection

Customer: IAT ENVIRONMENTAL Date: 8/27/07 Technician: 10

Model Number: 03E0883 AA Serial Number: 03C42 Software Revision: 3.06

Circuit Test	Pass	Fail		Pass	Fail
Temperature	☒	☐	Conductivity	☒	☐
DO	☒	☐	pH/ORP	☒	☐

Sensors	Installed	Tests Performed		Pass	Fail
Temperature	☒	Cold Water Bath	Thermometer 23.1 °C Probe 23.2 °C	☒	☐
		Hot Water Bath	Thermometer 36.2 °C Probe 36.1 °C	☒	☐
Conductivity	☒	Dry Probe 0 (0uS/cm)	Calibrate to 1000uS/cm	☒	☐
		Calibrate to 10,000uS/cm	Calibrate to 58,700uS/cm	☐	☐
		Cell Constant 4.7 (5.0) ±0.5%		☒	☐
		Conductivity Gain 0.9 (0.8 to 1.2) ±0.2%		☒	☐
Dissolved Oxygen	☒	Reconditioned Probe 100 %	Dry Probe Reading 0 %	☒	☐
		DO Charge(25-75) 52.3	Zero Test(<2% in 5 min.) 3	☒	☐
		DO Gain 1.1 (0.7 to 1.5)		☒	☐
		DO Warm-up Pattern		☒	☐
pH	☒	Cleaned Sensor:			
		mV Test: 7.0 -9.4 mV 4.0 165.7 mV 10.0 185.3 mV			
		Slope 175.5 mV (165mV to 180mV) ±2mV		☒	☐
		Response Test (sec.): 7.0-4.0 31 4.0-10.0 31 10.0-7.0 31		☒	☐
ORP	☐	mV offset after Zobel calibration(-100 to 100) _____ mV		☐	☐
Turbidity	☒	Zero Test 0.0	20NTU 20.0 100NTU 100.0	☒	☐
Chlorophyll	☐	Zero Test _____		☐	☐
Rhodamine WT	☐	Zero Test _____	100 ug/L _____	☐	☐
Depth	☐	Zero Test _____	10psi _____	☐	☐
Ammonium	☐	1mg/L Cold _____	1mg/L Ambient _____ 100mg/L Ambient _____	☐	☐
Nitrate	☐	1mg/L Cold _____	1mg/L Ambient _____ 100mg/L Ambient _____	☐	☐
Chloride	☐	10mg/L Cold _____	10mg/L Ambient _____ 1000mg/L Ambient _____	☐	☐

Datalogging Test

Sampling Current _____	Sleep Current _____	☐	☐
Storage Test, 1Hr run at 1 minute interval:	Samples Recorded _____ Stability _____	☐	☐

EQUIPCO SERVICE www.equipcoservices.com

YSI Multi-Parameter Pre-Inspection

Customer: Tait Environmental Date: 8/20/07 Technician: 1.0

Model Number: 03E0883 AA Serial Number: 03C42 Software Version: 2.27

Circuit Test	Pass	Fail		Pass	Fail
Temperature	☒	☐	Conductivity	☒	☐
DO	☒	☐	pH/ORP	☒	☐

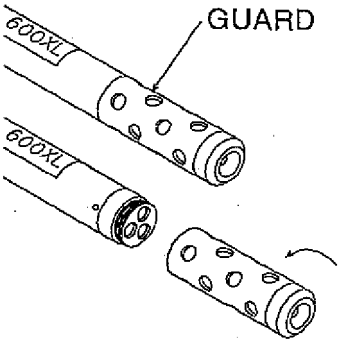
Sensors	Installed	Tests Performed	Pass	Fail
Temperature	☒	Cold Water Bath Thermometer 23.4 °C Probe 23.3 °C	☒	☐
		Hot Water Bath Thermometer 36.2 °C Probe 36.1 °C	☒	☐
Conductivity	☒	Dry Probe 0 (0uS/cm) Calibrate to 1000uS/cm	☒	☐
		Calibrate to 10,000uS/cm Calibrate to 58,700uS/cm	☐	☐
		Cell Constant 4.7 (5.0) ±0.5%	☒	☐
		Conductivity Gain 0.9 (0.8 to 1.2) ±0.2%	☒	☐
Dissolved Oxygen	☒	Reconditioned Probe 100 % Dry Probe Reading 0 %	☒	☐
		DO Charge(25-75) 50.2 Zero Test(<2% in 5 min.) 3	☒	☐
		DO Gain 1.0 (0.7 to 1.5)	☒	☐
		DO Warm-up Pattern	☒	☐
pH	☒	Cleaned Sensor:		
		mV Test: 7.0 -57.3 mV 4.0 93.5 mV 10.0 — mV		
		Slope — mV (165mV to 180mV) ±2mV	☐	☒
		Response Test (sec.): 7.0-4.0 45 4.0-10.0 45 10.0-7.0 45	☐	☒
ORP	☐	mV offset after Zobel calibration(-100 to 100) _____ mV	☐	☐
Turbidity	☒	Zero Test 0.0 20NTU 20.0 100NTU 100.0	☒	☐
Chlorophyll	☐	Zero Test_____	☐	☐
Rhodamine WT	☐	Zero Test_____ 100 ug/L_____	☐	☐
Depth	☐	Zero Test_____ 10psi_____	☐	☐
Ammonium	☐	1mg/L Cold_____ 1mg/L Ambient_____ 100mg/L Ambient_____	☐	☐
Nitrate	☐	1mg/L Cold_____ 1mg/L Ambient_____ 100mg/L Ambient_____	☐	☐
Chloride	☐	10mg/L Cold_____ 10mg/L Ambient_____ 1000mg/L Ambient_____	☐	☐

Datalogging Test

Sampling Current_____ Sleep Current_____	☐	☐
Storage Test, 1Hr run at 1 minute interval: Samples Recorded_____ Stability_____	☐	☐

YSI 6 SERIES PROBE INSTALLATION INSTRUCTIONS

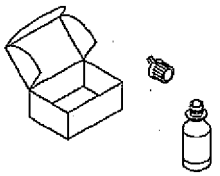
NOTE: Consult the operations and service manual for calibration procedures.



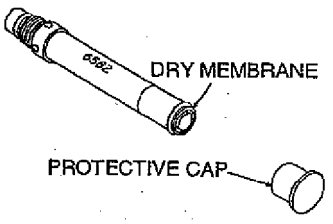
Remove the sonde probe guard by unscrewing counter clockwise. All instructions are illustrated for the 600XL sonde. The installation procedures are very similar for other 6-series sondes which also use the probes described below.

1. This step is for the preparation of the 6562 dissolved oxygen probe only. To install other probes, proceed to step 2.

A. Open the membrane kit and prepare electrolyte. Dissolve the KCl in the dropper bottle by filling it to the neck with distilled water and shaking until the solid is fully dissolved.



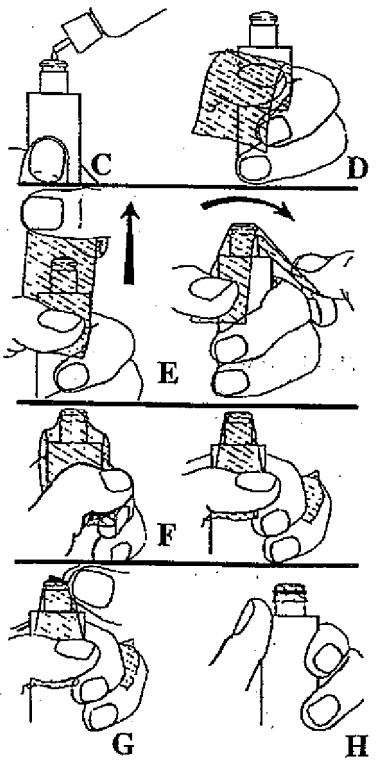
B. Remove protective cap and the dry membrane from the dissolved oxygen probe. NOTE: The dissolved oxygen probe is shipped with a protective dry membrane on the sensor tip. It is very important not to scratch or contaminate the sensor tip. Handle the new probe with care. Avoid touching or accidental hitting of the sensor tip.



C. Hold the probe in a vertical position and apply a few drops of KCl solution to the tip. The fluid should completely fill the small moat around the electrodes and form a meniscus on the tip of the sensor. Be sure no air bubbles are stuck to the face of the sensor. If necessary, shake off the electrolyte and start over.

D. Secure a membrane between your left thumb and the probe body. Always handle the membrane with care, touching it at the ends only.

E. With the thumb and forefinger of your right hand, grasp the free end of the membrane. With one continuous motion, firmly stretch it up, over, and down the other side of the sensor. The membrane should conform to the face of the sensor.



F. Secure the end of the membrane under the forefinger of your left hand.

G. Roll the O-ring over the end of the probe, being careful not to touch the membrane surface with your fingers. There should be no wrinkles or trapped air bubbles. Small wrinkles may be removed by lightly tugging on the edges of the membrane.

H. Trim off any excess membrane with a sharp knife or scissors. Make sure the stainless steel temperature sensor is not covered by excess membrane. Being careful not to get water in the connector, rinse off the excess KCl solution.

2. Using the probe installation tool supplied in the 6570 maintenance kit, remove the port plugs and locate the port with the connector corresponding to the probe you wish to install:

6562 Dissolved oxygen probe = 3-pin connector
6560 Conductivity/Temperature = 6-pin connector
6561 pH probe = 4 pin connector
6565 pH/ORP probe, standard = 4 pin connector
6566 pH/ORP probe, fouling resistant = 4 pin connector

BOE-C6-0055910

Tait Environmental Management, Inc.
Engineering • Environmental • Compliance

Instrument Calibration Sheet

Project Name: SITE WIDE C-6 SAMPLING ~~OCTOBER 2003~~ SEPT 2007	Project #: ~~EM2305~~ GM-2727

Date	Time	Instrument Type	Instrument Serial No.	Calibration Method	TAPE / SOLINST		Calibrated By	Remarks
9/13	600	SOLINST	TAIT #1	STEEL TAPE	25.00"	25.02	LW/LA	
9/13	610	SOLINST	TAIT #2	STEEL TAPE	25'00"	25.02	LW/LA	
	615	HORIBA	TAIT #1	Auto 4.0PH	4.0	4.0	LW	
	620			TURB. NTU	800NTU	800NTU	LW	
	625			COND. Us	718	718	LW	
	630			D.O. 0.0	0.0	0.0	LW	
	635			D.O 8.63	8.63	8.63	LW	
	640		TAIT #1	ORP 83mV	83mV	83mV	LW	
	645	HORIBA	TAIT #2	Auto 4.0PH	4.0	4.0	LW	
	650			TURB NTU	800	800	LW	
	655			COND Us	718	718	LW	
	800			D.O 0.0	0.0	0.0	LW	
	705			D.O 8.63	8.63	8.63	LW	
9/13	710	HORIBA	TAIT #2	ORP mV	83mV	83mV	LW	
	1640	HORIBA	TAIT #1	PH	4.0	39	LW	
	1645			TURB NTU	800	790	LW	
	1650			COND Us	718	716		
	1655			D.O 0.0	0.0	0.1	LW	
	1700		TAIT #1	ORP 83mV	83	81	LW	
	1705	HORIBA	TAIT #2	PH	4.0	3.8	LW	
9/13	1710			TURB NTU	800	800	LW	
	1715			COND. Us	718	717	LW	
	1720			D.O. 0.0	0.0	0.1	LW	
9/13	1725	HORIBA	TAIT #2	ORP mV	83	82	LW	

Tait Environmental Management, Inc.

Instrument Calibration Sheet

Project Name: SITE WIDE C-1 SAMPLING O[redacted]3 SEPT 07 | **Project #:** [redacted] TM.2727

Date	Time	Instrument Type	Instrument Serial No.	Calibration Method	TAPE / SOLINST		Calibrated By	Remarks
9/14	600	SOLINST	TAIT #1	STEEL TAPE	25'	25.02	LW/JA	
	605	SOLINST	TAIT #2	STEEL TAPE	25'	25.02	LW/JA	
	610	HORIBA	TAIT #1	AUTO 4.0 PH	4.0	4.0	LW	
	615			TURB NTU	800	800	LW	
	620			COND. US	718	718	LW	
	625			D.O 0.0	0.0	0.0	LW	
	630			D.O 8.63	8.63	8.63	LW	
9/14	635	HORIBA	TAIT #1	ORP mV	83	83	LW	
	640	HORIBA	TAIT #2	AUTO 4.0 PH	4.0	4.0	LW	
	645			TURB NTU	800	800	LW	
	650			COND US	718	718	LW	
	655			D.O 0.0	0.0	0.0	LW	
	700			D.O 8.63	8.63	8.63	LW	
9/14	705	HORIBA	TAIT #2	ORP mV	83	83	LW	
9/14	1700	HORIBA	TAIT #1	AUTO PH	4.0	3.9	LW	
	1705			TURB NTU	800	790	LW	
	1710			COND US	718	716	LW	
	1715			D.O 0.0	0.0	0.0	LW	
	1720			D.O 8.63	8.63	8.60	LW	
9/14	1725	HORIBA	TAIT #1	ORP mV	83	81	LW	
	1730	HORIBA	TAIT #2	AUTO PH	4.0	3.8	LW	
	1735			TURB NTU	800	800	LW	
	1740			COND US	718	717	LW	
	1745			D.O. 0.0	0.0	0.0	LW	
9/14	1750	HORIBA	TAIT #2	ORP mV	83	82	LW	

Tait Environmental Management, Inc.

Instrument Calibration Sheet

Project Name: SITE WIDE C-1 SAMPLING O[redacted]003	Project #: EM2365

Date	Time	Instrument Type	Instrument Serial No.	Calibration Method	TAPE / SOLINST		Calibrated By	Remarks
9/17	6:00	SOLINST	TAIT #1	STEEL TAPE	25.00	25.02	CW/LA	
	6:05	SOLINST	TAIT #2	STEEL TAPE	25.00	25.02	CW/LA	
9/17	610	HORIBA	ENVIRO SUPPLY	CALIBRATED	—	—	—	SEE PAPERWORK
9/17	615	YSI	TAIT #1	AUTO 4.0	4.0	4.0	CW	
	620			TURB NTU	800	800	CW	
	630			COND µS	1000	1000	CW	
	640			D.O. 0.0	0.0	0.0	CW	
9/17	650	YSI	TAIT #1	ORP MV	83	83	CW	
9/17	1630	YSI	TAIT #1	AUTO PH	4.0	3.8	CW	
	1635			TURB NTU	800	790	CW	
	1640			COND µS	1000	999	CW	
	1645			DO 0.0	0.0	0.0	CW	
9/17	1650	YSI	TAIT #1	ORP mV	83	82	CW	
	1655	HORIBA	ENVIRO SUPPLY	AUTO PH	4.0	4.0	CW	
	1700			TURB NTU	800	790	CW	
	1705			COND µS	1000	1000	CW	
	1710			D.O. 0.0	0.0	0.0	CW	
9/17	1715	HORIBA	ENVIRO SUPPLY	ORP mV	83	83	CW	

Tait Environmental Management, Inc.

Instrument Calibration Sheet

Project Name: SITE WIDE C-1 SAMPLING ~~OCTOBER 2003~~ SEPT 07 EVENT	Project #: ~~EM2565~~ EM-2727

Date	Time	Instrument Type	Instrument Serial No.	Calibration Method	TAPE / SOLINST		Calibrated By	Remarks
9/18	600	SOLINST	TAIT #1	STEEL TAPE	25.00	25.02	LW/LA	
	605	SOLINST	TAIT #2	STEEL TAPE	25.00	25.02	LW/LA	
9/18	610	HORIBA	TAIT #1	ENVIRO SUPPLY	—	—	—	SEE PAPERWORK
	615	YSI	TAIT 1	Auto P.H	4.0	4.0	LW	
	620			TURB ~~800~~ NTU	800	800	LW	
	625			COND [illegible]	1000	1000	LW	
	630			D.O. 0.0	0.0	0.0	LW	
	635			D.O 8.63	8.63	8.63	LW	
9/18	640	YSI	TAIT #1	ORP. MV	83	83	LW	
	1850	HORIBA	TAIT #1	4.0 PH	4.0	3.9	LW	
	1855			TURB NTU	800	800	LW	
	1900			COND Ms	1000	995	LW	
	1905			D.O 0.0	0.0	0.0	LW	
9/18	1910	HORIBA	TAIT #1	ORP MV	83	82	LW	
	1915	YSI	TAIT #1	PH 4.0	4.0	3.9	LW	
	1920			TURB NTU	800	790	LW	
	1925			COND Ms	1000	997	LW	
	1930			D.O 0.0	0.0	0.0	LW	
9/18	1940	YSI	TAIT #1	ORP. MV	83	83	LW	

Tait Environmental Management, Inc.

Instrument Calibration Sheet

Project Name: SITE WIDE C-6 SAMPLING ~~OCTOBER 2003~~ SEPT 07 | **Project #:** EM~~2385~~ 2727

Date	Time	Instrument Type	Instrument Serial No.	Calibration Method	TAPE / SOLINST		Calibrated By	Remarks
9/19	600	SOLINST	TAIT #1	STEEL TAPE	25.00	25.02	LW/LA	
	605	SOLINST	TAIT #2	STEEL TAPE	25.00	25.02	LW/LA	
	610	HORIBA	TAIT #1	AUTO 4.0	4.0	4.0	LW	
	615			TURB NTU	800	800	LW	
	620			COND Us	1000	1000	LW	
	625			D.O 0.0	0.0	0.0	LW	
	630			D.O. 8.63	8.63	8.63	LW	
9/19	635	HORIBA	TAIT #1	ORP MV	83	83	LW	
	640	YSI meter	TAIT #1	4.0 PH	4.0	4.0	LW	
	645			TURB NTU	800	800	LW	
	650			COND Us	1000	1000	LW	
	655			D.O. 0.0	0.0	0.0	LW	
	700			D.O 8.63	8.63	8.63	LW	
9/19	705	YSI meter	TAIT #1	ORP. MV	83	83	LW	
	1245	HORIBA	TAIT #1	AUTO 4.0	4.0	3.9	LW	
	1250			TURB NTU	800	990	LW	
	1255			COND Us	1000	998	LW	
	1300			D.O. 0.0	0.0	0.0	LW	
9/19	1305	HORIBA	TAIT #1	ORP MV	83	82	LW	
	1100	YSI meter	TAIT #1	4.0 PH	4.0	3.8		
	1105			TURB ~~800~~ NTU	800	800		
	1110			COND Us	1000	1000		
	1115			D.O. 0.00	0.0	0.0		
9/19	1120	YSI meter	TAIT #1	ORP MV	83	83		

Tait Environmental Management, Inc.

Instrument Calibration Sheet

Project Name: SITE WIDE C-6 SAMPLING ~~OCTOBER 2003~~ SEPT 07	Project #: EM~~2356~~ 2727

Date	Time	Instrument Type	Instrument Serial No.	Calibration Method	TAPE / SOLINST		Calibrated By	Remarks
9/20/07	530	YSI METER	TAIT #1	AUTO PH	4.0	4.0	LW	
	535			TURB NTU	800	800	LW	
	540			COND Mx	1000	1000	LW	
	545			D.O. 0.0	0.0	0.0	LW	
	550			D.O. 8.63	8.63	8.63	LW	
9/20/07	565	YSI METER	TAIT #1	ORP MV	83	83	LW	
9/20/07	1335	YSI METER	TAIT #1	AUTO PH	4.0	3.9	LW	
	1340			TURB NTU	800	790	LW	
	1345			COND Mx	1000	1000	LW	
	1350			D.O 0.0	0.0	0.0	LW	
	1355			D.O. 8.63	8.63	8.63	LW	
	1400			ORP MV	83	82	LW	
9/20/07	525	SOLINST	TAIT #1	STEEL TAPE	25.00	25.01	LW/	
	~~[illegible]~~							
	~~[illegible]~~							

Tait Environmental Management, Inc.

Engineering • Environmental • Compliance

Investigation Derived Waste (IDW) Inventory Record

Project Name: BOEING C-6 SEPT EVENT 07 | **Project No.: EM** 2727-01

Accumulation Date	Drum/Bin	Identifier	Well Origination	Contents	Gallons	Container Location	Inventoried By	Labeled By
9/13/07	DRUM	WCC-055	N/A	GW	64	C-6 COMPOUND	LW	N/A
9/13/07		MWC007	N/A		86	C-6 COMPOUND	LW	N/A
9/13/07		MWB020	N/A		63	C-6 COMPOUND	LW	N/A
9/13/07		MWC004	N/A		64	C-6 COMPOUND	LW	N/A
9/13/07		MWB027	N/A		15	C-6 COMPOUND	LW	N/A
9/13/07		MWC022	N/A		65	C-6 COMPOUND	LW	N/A
9/13/07		WCC-075	N/A		61	C-6 COMPOUND	LW	N/A
9/14/07		WCC-045	N/A		47	C-6 COMPOUND	LW	N/A
9/14/07		MWB007	N/A		64	C-6 COMPOUND	LW	N/A
9/14/07		EWC-001	N/A		69	C-6 COMPOUND	LW	N/A
9/14/07		MWC023	N/A		66	C-6 COMPOUND	LW	N/A
9/14/07		WCC-035	N/A		46	C-6 COMPOUND	LW	N/A
9/17/07		MWB093	N/A		40.5	C-6 COMPOUND	LW	N/A
9/17/07		TMW-14	N/A		10.0	C-6 COMPOUND	LW	N/A
9/17/07		XMW-19	N/A		34	C-6 COMPOUND	LW	N/A
9/17/07		TMW-10	N/A		12	C-6 COMPOUND	LW	N/A
9/17/07		TMW-11	N/A		9	C-6 COMPOUND	LW	N/A
9/18/07		WCC095	N/A		54	C-6 COMPOUND	LW	N/A
9/18/07		MWC021	N/A		62	C-6 COMPOUND	LW	N/A
9/18/07		XMW-09	N/A		33	C-6 COMPOUND	LW	N/A

BOE-C6-0055917

Tait Environmental Management, Inc.

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Investigation Derived Waste (IDW) Inventory Record

Project Name: BOEING C-6 SEPT 07 EVENT

Project No.: EM 2727

Accumulation Date	Drum/Bin	Identifier	Well Origination	Contents	Gallons	Container Location	Inventoried By	Labeled By
9/18/07	DRUM	MW-001	N/A	GW	30	C-6 COMPOUND	LW	N/A
9/18/07		TMW15	N/A		12	C-6 COMPOUND	LW	N/A
9/18/07		IRZCMW003	N/A		15 LITERS	C-6 COMPOUND	LW	N/A
9/18/07		IRZCMW001	N/A		15 LITERS	C-6 COMPOUND	LW	N/A
9/18/07		CMW026	N/A		13.5 LITERS	C-6 COMPOUND	LW	N/A
9/18/07		IRZCMW002	N/A		12.5 LITERS	C-6 COMPOUND	LW	N/A
9/18/07		CMW-001	N/A		15 LITERS	C-6 COMPOUND	LW	N/A
9/18/07		CMW002	N/A		13 LITERS	C-6 COMPOUND	LW	N/A
9/19/07		MW-002	N/A		34	C-6 COMPOUND	LW	LW
9/19/07		MWC009	N/A		63	C-6 COMPOUND	LW	N/A
9/19/07		MWB019	N/A		42	C-6 COMPOUND	LW	N/A
9/19/07		MWC017	N/A		72	C-6 COMPOUND	LW	N/A
9/20/07		IWC001	N/A		61	C-6 COMPOUND	LW	N/A
9/20/07		MWC024	N/A		74	C-6 COMPOUND	LW	N/A
9/20/07		IWC002	N/A		63	C-6 COMPOUND	LW	N/A
9/20/07		EWC002	N/A		74	C-6 COMPOUND	LW	N/A
9/20/07		I						

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BOE-C6-0055918

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

Project Name: BOEING C-6 SEPT 07 EVAT

Project #: EM. 2727

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
9/14/07	1030	RB-TAIT 091407-0000		C-6	N/A	8260	N/A	JA/LW	
9/14/07	N/A	TB-TAIT-091407-0000		C-6	N/A	8260	N/A	JA/	
9/17/07	1027	XMW-19-WG091907-0001		C-6	N/A	8260	N/A	JA/LW	
9/17/07	0755	MWB013-WG091707-0001		C-6	N/A	8260	N/A	JA/LW	
9/17/07	1044	TMW-14-091707-0001		C-6	N/A	8260	N/A	JA/LW	
9/17/07	1403	TMW-11-WG091707-0001		C-6	N/A	8260	N/A	JA/LW	
9/17/07	1229	TMW-10-WG091707-0001		C-6	N/A	8260	N/A	JA/LW	
9/17/07	0845	RB-TAIT 091707-0001		C-6	N/A	8260	N/A	JA/LW	
9/17/07	N/A	TB-TAIT 091707-0001		C-6	N/A	8260	N/A	JA/LW	
9/18/07	0751	CMW001-WG091807-0001		C-6	N/A	8260	N/A	JA/LW	
9/18/07	0845	IRZCMW002-WG091807-0001		C-6	N/A	8260	N/A	JA/LW	
9/18/07	1000	CMW026-WG091807-0001		C-6	N/A	8260	N/A	JA/LW	
9/18/07	1326	CMW002-WG091807-0001		C-6	N/A	8260	N/A	JA/LW	
9/18/07	1516	IRZCMW001-WG091807-0001		C-6	N/A	8260	N/A	JA/LW	
9/18/07	1646	IRZCMW003-WG091807-0001		C-6	N/A	8260	N/A	JA/LW	

BOE-C6-0055919

Tait Environmental Management, Inc.
Engineering · Environmental • Compliance

QA/QA Sample Identification Form

Project Name: BOEING C-6 SEPT 07 EVENT

Project #: ENM-2727

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
9/18/07	1648		IRZMW003_WG091807_0002	C-6	N/A	8260	N/A	JA/CW	
9/18/07	~~1015~~ 0849		MWC021_WG091807_0001	C-6	N/A	8260	N/A	JA/CW	
9/18/07	~~1251~~ 1215		MWG001_WG091807_0001	C-6	N/A	8260	N/A	JA/CW	
9/18/07	~~1555~~ 1351		TMW15_WG091807_0001	C-6	N/A	8260	N/A	JA/CW	
9/18/07	~~1037~~ 1553		WCC09S_WG091807_0001	C-6	N/A	8260	N/A	JA/CW	
9/18/07	~~0800~~ 1837		XMW09_WG091807_0001	C-6	N/A	8260	N/A	JA/CW	
9/19/07	925		MWG002_WG091907_0001	C-6	N/A	8260	N/A	JA/CW	
9/19/07	0746		MWC009_WG091907_0001	C-6	N/A	8260	N/A	JA/CW	
9/19/07	0941		MWB019_WG091907_0001	C-6	N/A	8260	N/A	JA/CW	
9/19/07	1133		MWC017_WG091907_0001	C-6	N/A	8260	N/A	JA/CW	
9/20/07	0705		IWC001_WG092007_0001	C-6	N/A	8260	N/A	CW	
9/20/07	0845		MWC024_WG092007_0001	C-6	N/A	8260	N/A	CW	
9/20/07	1038		EWC002_WG092007_0001	C-6	N/A	8260	N/A	CW	
9/20/07	1154		EWC002_WG092007_0001	C-6	N/A	8260	N/A	CW	
9/20/07	1156		EWC002_WG092007_0001	C-6	N/A	8260	N/A	CW	
9/20/07	1240		RB_TAIT092007_0001	C-6	N/A	8260	N/A	CW	
9/20/07	N/A		TB_TAIT092007_0001	C-6	N/A	8260	N/A	CW	

BOE C6 0055020

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

Project Name: Boeing C-6 Sept 07 event

Project #: EM-2727

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
9/13/07	1446	MWC007-WG091307-0001		C-6	N/A	8260	N/A	CW/JA	
9/13/07	1232	WCC-OSS-WG091307-0001		C-6	N/A	8260	N/A	CW/JA	
9/13/07	1621	MWB020-WG091307-0001		C-6	N/A	8260	N/A	JA/CW	
9/13/07	1325	MWC022-WG091307-0001		C-6	N/A	8260	N/A	JA/CW	
9/13/07	1050	MWC004-WG091307-0001		C-6	N/A	8260	N/A	JA/CW	
9/13/07	1530	WCC-OBS-WG091307-0001		C-6	N/A	8260	N/A	JA/CW	
9/13/07	1150	MWB022-WG091307-0001		C-6	N/A	8260	N/A	JA/CW	
9/13/07	1545	RB-TAIT091307-0001		C-6	N/A	8260	N/A	CW/JA	
9/13/07	N/A	TB-TAIT091307-0001		C-6	N/A	8260	N/A	CW/JA	
9/14/07	826	WCC-BSS-WG091407-0001		C-6	N/A	8260	N/A	CW/JA	
9/14/07	1008	MWC023-WG091407-0001		C-6	N/A	8260	N/A	JA/CW	
9/14/07	0750	WCC-OFS-WG091407-0001		C-6	N/A	8260	N/A	JA/CW	
9/14/07	0930	MWB007-WG091407-0001		C-6	N/A	8260	N/A	JA/CW	
9/14/07	1142	EWC001-WG091407-0002		C-6	N/A	8260	N/A	JA/CW	
9/14/07	1142	EWC001-WG091407-0002		C-6	N/A	8260	N/A	JA/CW	

BOE-C6-0055921

GROUNDWATER MONITORING WELL GAUGING DATA
SEPTEMBER 2007 FORMER C-6 FACILITY GAUGING EVENT

	Well ID	Date of Previous Measurement	Previous Depth to Water	Previous Total Depth	DATE	WELL DIAMETER	Constructed Total Depth	TIME	PID (ppm)	MEASUREMENT POINT	DEPTH TO WATER	SECOND DEPTH TO WATER	TOTAL DEPTH	DEPTH TO WATER	SECOND DEPTH TO WATER	TOTAL DEPTH	PERSONNEL	Comments/Well Condition				
																		Well Bottom	Well Box/Casing	Obstruction	Well Cap & Lock	Comments
37	WCC_03S	March-07	59.76	87.87	9/28/07	4"	N/A	1600	0.0	TOC(N)	59.66	59.66	87.87	59.66	59.66	87.87	LA	OK	OK	OK	OK	
38	MWB028	March-07	64.30	90.20	9/28/07	2"	N/A	1600	0.8	TOC(N)	64.28	64.28	90.20	64.28	64.28	90.20	LW	OK	OK	OK	OK	
39	MWB027	March-07	64.16	88.50	9/28/07	2"	N/A	1550	1.0	TOC(N)	64.10	64.10	88.50	64.10	64.10 ~~88.50~~	88.50	LW	OK	OK	OK	OK	
40	MWB003	March-07	64.38	89.61	9/28/07	2"	N/A	1620	1.1	TOC(N)	64.31	64.31	89.60	64.31	64.31	89.60	LW	OK	OK	OK	OK	
41	MWG003	March-07	61.98	185.00	9/28/07	4"	N/A	1530	1.2	TOC(N)	61.92	61.92	185.00	61.92	61.92	185.00	LW	OK	OK	OK	OK	
42	TMW_06	March-07	61.19	90.00	9/28/07	2"	N/A	1510	0.4	TOC(N)	61.28	61.28	90.00	61.28	61.28	90.00	LA	OK	OK	OK	OK	
43	MWG001	March-07	63.23	189.95	9/27/07	4"	N/A	1240	0.0	TOC(N)	63.25	63.25	189.65	63.25	63.25	189.65	LW	OK	OK	OK	OK	
44	WCC_09S	March-07	62.31	89.98	9/27/07	4	N/A	1250	0.2	TOC(N)	62.33	62.33	89.99	62.33	62.33	89.99	LW	OK	OK	OK	OK	
45	MWB020	March-07	57.31	89.50	9/28/07	4"	N/A	1520	0.0	TOC(N)	57.24	57.24	89.50	57.24	57.24	89.50	LA	OK	OK	OK	OK	
46	MWC011	March-07	61.32	112.33	9/28/07	4"	N/A	1440	0.8	TOC(N)	61.30	61.30	112.33	61.30	61.30	112.33	LA	OK	OK	OK	OK	
47	BL_03	March-07	67.20	78.98	9/27/07	2"	N/A	1520	0.0	TOC(N)	67.15	67.15	78.98	67.15	67.15	78.98	LW	OK	OK	OK	OK	
48	MWB012	March-07	61.06	90.50	9/28/07	4"	N/A	1540	1.6	TOC(N)	61.94	61.94	90.50	61.94	61.94	90.50	LW	OK	OK	OK	OK	
49	MWC009	March-07	61.82	119.60	9/27/07	4"	N/A	1300	0.0	TOC(N)	62.72	62.72	119.60	62.72	62.72	119.60	LW	OK	OK	OK	OK	
50	MWC022	March-07	58.70	116.01	9/28/07	4"	N/A	1630	0.0	TOC(N)	58.60	58.60	116.00	58.60	58.60	116.00	LW	OK	OK	OK	OK	
51	WCC_07S	March-07	59.52	89.35	9/28/07	4"	N/A	1710	0.0	TOC(N)	59.35	59.35	89.35	59.35	59.35	89.35	LW	OK	OK	OK	OK	
52	MWB014	March-07	60.07	86.50	9/27/07	4"	N/A	1540	0.3	TOC(N)	60.02	60.02	86.50	60.02	60.02	86.50	LW	OK	OK	OK	OK	
53	XMW-19	March-07	57.10	76.82	NO ACCESS																	
54	MWC007	March-07	58.45	118.89	9/28/07	4"	N/A	1540	0.0	TOC(N)	58.40	58.40	118.89	58.40	58.40	118.89	LA	OK	OK	OK	OK	
55	XMW-09	March-07	61.77	76.38	NO. ACCESS																	
56	MWC004	March-07	61.35	185.65	9/27/07	4"	N/A	1550	0.5	TOC(N)	61.39	61.39	185.64	61.39	61.39	185.64	LW	OK	OK	OK	OK	
57	WCC_05S	March-07	59.88	90.00	9/28/07	4"	N/A	1700	0.1	TOC(N)	59.75	59.75	90.00	59.75	59.75	90.00	LW	OK	OK	OK	OK	
58	MWB013	March-07	62.93	86.45	9/27/07	4"	N/A	1500	0.0	TOC(N)	62.97	62.97	86.45	62.97	62.97	86.45	LW	OK	OK	OK	OK	
59	MWC021	March-07	62.69	121.75	9/27/07	2"	N/A	1320	0.1	TOC(N)	62.43	62.43	121.74	62.43	62.43	121.74	LW	OK	OK	OK	OK	
60	TMW_10	March-07	57.75	79.95	9/27/07	2"	N/A	1310	0.0	TOC(N)	57.50	57.50	79.95	57.50	57.50	79.95	LW	OK	OK	OK	OK	
61	TMW_15	March-07	65.90	86.95	9/27/07	2"	N/A	1440	0.0	TOC(N)	65.91	65.91	86.95	65.91	65.91	86.91	LW	OK	OK	OK	OK	
62	TMW_11	March-07	58.17	76.70	9/27/07	2"	N/A	1340	0.3	TOC(N)	58.14	58.14	76.70	58.14	58.14	76.70	LW	OK	OK	OK	OK	
63	TMW_14	March-07	67.67	84.84	9/27/07	2"	~~N/A~~ N/A	1430	0.3	TOC(N)	67.70	67.70	84.84	67.70	67.70	84.84	LW	OK	OK	OK	OK	
64	MWG002	March-07	64.30	191.86	9/27/07	2"	N/A	1330	0.3	TOC(N)	64.32	64.32	191.87	64.32	64.32	191.87	LW	OK	OK	OK	OK	

EDW3001 - EQUIP INVERTION BUCKL = NO GUAGE

WCC_12S -

BOE-C6-0055922

GROUNDWATER MONITORING WELL GAUGING DATA
SEPTEMBER 2007 FORMER C-6 FACILITY GAUGING EVENT

	Well ID	Date of Previous Measurement	Previous Depth to Water	Previous Total Depth	DATE	WELL DIAMETER	Constructed Total Depth	TIME	PID (ppm)	MEASUREMENT POINT	DEPTH TO WATER	SECOND DEPTH TO WATER	TOTAL DEPTH	DEPTH TO WATER	SECOND DEPTH TO WATER	TOTAL DEPTH	PERSONNEL	Comments/Well Condition: Well Bottom	Well Box/Casing	Obstruction	Well Cap & Lock	Comments
1	EWC001	June-07	60.20	98.65	9/28/07	4"	N/A	1730	0.0	TOC(N)	60.15	60.15	88.65	60.15	60.15	88.65	LW	OK	OK	OK	OK	
2	EWC001	June-07	59.85	122.55	9/28/07	4"	N/A	1500	1.1	TOC(N)	59.80	59.80	122.55	59.80	59.80	122.55	JA	OK	OK	OK	OK	
3	CMW001	June-07	63.00	124.26	9/27/07	4"	N/A	1350	0.3	TOC(N)	63.05	63.05	124.26	63.05	63.05	124.26	LW	OK	OK	OK	OK	
4	MWC024	June-07	60.00	123.75	9/27/07	4"	N/A	1600	0.0	TOC(N)	60.02	60.02	123.75	60.02	60.02	123.75	LW	OK	OK	OK	OK	
5	IRZMW002B	June-07	64.66	89.98	9/28/07	2"	N/A	1500	1.6	TOC(N)	64.63	64.63	89.98	64.63	64.63	89.98	LW	OK	OK	OK	OK	
6	IRZCMW002	June-07	64.44	121.40	9/27/07	4"	N/A	1620	0.9	TOC(N)	64.49	64.49	121.40	64.49	64.49	121.40	LW	OK	OK	OK	OK	
7	IRZBC081	June-07	61.82	86.53	9/27/07	3/4"	N/A	1740	1.1	TOC(N)	61.85	61.85	86.53	61.85	61.85	86.53	LW	OK	OK	OK	OK	
8	IRZBC095	June-07	61.70	89.96	9/27/07	3/4"	N/A	1750	1.0	TOC(N)	61.74	61.74	89.95	61.74	61.74	89.95	LW	OK	OK	OK	OK	
9	CMW026	June-07	59.70	118.20	9/27/07	4"	N/A	1640	0.2	TOC(N)	59.73	59.73	118.20	59.73	59.73	118.20	LW	OK	OK	OK	OK	
10	IRZMW003B	June-07	64.55	92.95	9/28/07	2"	N/A	1430	0.3	TOC(N)	64.52	64.52	92.95	64.52	64.52	92.95	LW	OK	OK	OK	OK	
11	CMW002	June-07	61.41	124.05	9/27/07	4"	N/A	1400	0.0	TOC(N)	61.38	61.38	124.05	61.38	61.38	124.05	LW	OK	OK	OK	OK	
12	IRZMW005	June-07	60.82	88.35	9/27/07	2"	N/A	1800	1.4	TOC(N)	60.78	60.78	88.35	60.78	60.78	88.35	LW	OK	OK	OK	OK	
13	IRZMW001B	June-07	64.46	90.50	9/28/07	2"	N/A	1520	1.8	TOC(N)	64.42	64.42	90.50	64.42	64.42	90.50	LW	OK	OK	OK	OK	
14	EWC002	June-07	60.17	120.35	9/27/07	4"	N/A	1530	0.4	TOC(N)	60.21	60.21	120.35	60.21	60.21	120.35	LW	OK	OK	OK	OK	
15	IWC002	June-07	59.73	115.75	9/27/07	4"	N/A	1650	0.8	TOC(N)	59.70	59.70	115.74	59.70	59.70	115.70	LW	OK	OK	OK	OK	
16	IRZMW004	June-07	61.30	90.65	9/27/07	2"	N/A	1730	0.9	TOC(N)	61.36	61.36	90.65	61.36	61.36	90.65	LW	OK	OK	OK	OK	
17	IWC001	June-07	62.00	114.10	9/27/07	4"	N/A	1610	0.0	TOC(N)	62.05	62.05	114.10	62.05	114.10	62.05	LW	OK	OK	OK	OK	
18	IRZCMW001	June-07	116.40	98.42	9/27/07	4"	N/A	1700	0.0	TOC(N)	59.29	59.29	116.40	59.29	59.29	116.40	LW	OK	OK	OK	OK	
19	IRZMW001A	June-07	64.75	75.65	9/28/07	2"	N/A	1510	0.9	TOC(N)	64.71	64.71	75.65	64.71	64.71	75.65	LW	OK	OK	OK	OK	
20	IRZMW003A	June-07	64.72	76.75	9/28/07	2"	N/A	1440	0.9	TOC(N)	64.47	64.47	76.75	64.47	64.47	76.75	LW	OK	OK	OK	OK	
21	IRZMW002A	June-07	64.97	77.75	9/28/07	2	N/A	1450	1.3	TOC(N)	64.94	64.94	77.75	64.94	64.94	77.75	LW	OK	OK	OK	OK	
22	IRZCMW003	June-07	60.10	117.65	9/29/07	4"	N/A	1630	0.5	TOC(N)	60.07	60.07	117.65	60.07	60.07	117.65	LW	OK	OK	OK	OK	
23	TMW_06	March-07	59.83	78.80	9/27/07	2"	N/A	1710	0.0	TOC(N)	59.85	59.85	78.80	59.85	59.85	78.80	LW	OK	OK	OK	OK	
24	MWC015	March-07	69.76	120.42	9/27/07	4"	N/A	1720	0.0	TOC(N)	59.70	59.70	120.46	59.70	59.70	120.46	LW	OK	OK	OK	OK	
25	MWB019	March-07	63.84	85.01	9/27/07	4"	N/A	1420	0.0	TOC(N)	63.80	63.80	85.00	63.80	63.80	85.00	LW	OK	OK	OK	OK	
26	MWC017	March-07	64.02	128.00	9/27/07	4"	N/A	1410	0.0	TOC(N)	64.05	64.05	128.01	64.05	64.05	128.01	LW	OK	OK	OK	OK	
27	MWC018	March-07	61.27	128.00	9/27/07	4"	N/A	1810	2.1	TOC(N)	61.30	61.30	128.00	61.30	61.30	128.00	LW	OK	OK	OK	OK	
28	TMW_04	March-07	59.26	84.00	9/27/07	2"	N/A	1830	0.3	TOC(N)	59.26	59.26	84.00	59.26	59.26	84.00	LW	OK	OK	OK	OK	
29	MWC004	March-07	59.41	113.85	9/28/07	4"	N/A	1720	0.0	TOC(N)	59.24	59.24	113.85	59.24	59.24	113.85	LW	OK	OK	OK	OK	
30	MWB007	March-07	58.29	90.00	9/28/07	4"	N/A	1530	0.0	TOC(N)	58.18	58.18	90.00	58.18	58.18	90.00	JA	OK	OK	OK	OK	
31	WCC_4S	March-07	59.37	92.00	9/28/07	4"	N/A	1640	0.0	TOC(N)	59.23	59.23	92.00	59.23	59.23	92.00	LW	OK	OK	OK	OK	
32	DAC_P1	March-07	62.47	89.96	9/27/07	2"	N/A	1510	0.0	TOC(N)	62.44	62.44	89.96	62.44	62.44	89.96	LW	OK	OK	OK	OK	
33	MWC006	March-07	60.95	116.60	9/28/07	2"	N/A	1430	1.2	TOC(N)	60.92	60.92	116.60	60.92	60.92	116.92	JA	OK	OK	OK	OK	
34	MWB006	March-07	60.81	92.94	9/28/07	4"	N/A	1550	0.2	TOC(N)	60.80	60.80	92.94	60.80	60.80	92.94	JA	OK	OK	OK	OK	
35	MWC005	March-07	69.92	85.00	9/27/07	4"	N/A	1820	1.1	TOC(N)	59.90	59.90	85.00	59.90	59.90	85.00	LW	OK	OK	OK	OK	
36	MWC023	March-07	58.66	115.00	9/28/07	4"	N/A	1650	0.2	TOC(N)	58.54	58.54	115.01	58.54	58.54	115.01	LW	OK	OK	OK	OK	

BOE-C6-0055923