F8B210166 CLIENT ANALYSIS SUMMARY

Storage Loc: 1-225,METS

Project Manager: IV | Quote #: 78576 | SDG:

Project: 6468071777 | EXcelon Victoria TEXAS COL

PO#: 200803591 | Report to: Kathry WHite

Client: 373886 | MACTEC Engineering and Consulting Inc

RUSH

#SMPS in LOT: 6

Date Received: 2008-02-19

Analytical Due Date: 2008-02-26

Report Due Date: 2008-02-26

Report Type: W

EDD Code: 00

KX	MH	SW846	6020	Inductively Coupled Plasma Mass Spectrometry(6020)	GJ	METALS, TOTAL - 2% HCL	01	STANDARD TEST SET	PROT: A	WRK LOC	06
CA	MH	SW846	6020	Inductively Coupled Plasma Mass Spectrometry(6020)	GJ	METALS, TOTAL - 2% HCL	01	STANDARD TEST SET	PROT: A	WRK LOC	06
MG	MH	SW846	6020	Inductively Coupled Plasma Mass Spectrometry(6020)	GJ	METALS, TOTAL - 2% HCL	01	STANDARD TEST SET	PROT: A	WRK LOC	06
XX	ZV		RAD SCREEN	RAD SCREEN	RA	IN-HOUSE RAD SCREEN	01	STANDARD TEST SET	PROT: A	WRK LOC	06
XX	AK	MCAW W	160.1	Solids, Filterable "TDS" (160.1)	88	NO SAMPLE PREPARATION PERFORMED / DIRECT	01	STANDARD TEST SET	PROT: A	WRK LOC	06
XX	C8	MCAW W	300.0A	Fluoride (300.0A, Ion Chromatography)	88	NO SAMPLE PREPARATION PERFORMED / DIRECT	01	STANDARD TEST SET	PROT: A	WRK LOC	06
XX	C9	MCAW W	300.0A	Nitrate as N (300.0A, Ion Chromatography)	88	NO SAMPLE PREPARATION PERFORMED / DIRECT	01	STANDARD TEST SET	PROT: A	WRK LOC	06
XX	CB	MCAW W	310.1	Alkalinity, Carbonate (310.1)	88	NO SAMPLE PREPARATION PERFORMED / DIRECT	01	STANDARD TEST SET	PROT: A	WRK LOC	06
XX	CX	MCAW W	300.0A	Chloride (300.0A, Ion Chromatography)	88	NO SAMPLE PREPARATION PERFORMED / DIRECT	01	STANDARD TEST SET	PROT: A	WRK LOC	06
XX	CY	MCAW W	300.0A	Sulfate (300.0A, Ion Chromatography)	88	NO SAMPLE PREPARATION PERFORMED / DIRECT	01	STANDARD TEST SET	PROT: A	WRK LOC	06
XX	GM	MCAW W	300.0A	Bromide (300.0A, Ion Chromatography)	88	NO SAMPLE PREPARATION PERFORMED / DIRECT	01	STANDARD TEST SET	PROT: A	WRK LOC	06
XX	GO	MCAW W	300.0A	Nitrite as N (300.0A, Ion Chromatography)	88	NO SAMPLE PREPARATION PERFORMED / DIRECT	01	STANDARD TEST SET	PROT: A	WRK LOC	06
XX	SL	SM18	1030F & API	Ion Balance (% Difference)	0X	CALCULATION ONLY	01	STANDARD TEST SET	PROT: A	WRK LOC	06
XX	UX	MCAW W	310.1	Alkalinity, Bicarbonate (310.1)	88	NO SAMPLE PREPARATION PERFORMED / DIRECT	01	STANDARD TEST SET	PROT: A	WRK LOC	06
XX	VC	MCAW W	310.1	Alkalinity, Total (310.1)	88	NO SAMPLE PREPARATION PERFORMED / DIRECT	01	STANDARD TEST SET	PROT: A	WRK LOC	06
XX	VM	MCAW W	350.1	Nitrogen, Ammonia (350.1, Automated)	88	NO SAMPLE PREPARATION PERFORMED / DIRECT	01	STANDARD TEST SET	PROT: A	WRK LOC	06

SAMPLE #	CLIENT SAMPLE ID	Site ID	Client Matrix	DATE/TIME SAMPLED	WORKORDER	I
3	OW-2269U			2008-02-18 / 1230	KHE9N	WATER

SAMPLE COMMENTS:

CA	MH	SW846	6020	Inductively Coupled Plasma Mass Spectrometry(6020)	GJ	METALS, TOTAL - 2% HCL	01	STANDARD TEST SET	PROT: A	WRK LOC	06
SI	MH	SW846	6020	Inductively Coupled Plasma Mass Spectrometry(6020)	GJ	METALS, TOTAL - 2% HCL	01	STANDARD TEST SET	PROT: A	WRK LOC	06
SA	MH	SW846	6020	Inductively Coupled Plasma Mass Spectrometry(6020)	0X	CALCULATION ONLY	9Q	ORG FLAGS FOR INORG; STANDARD	PROT: A	WRK LOC	06
NA	MH	SW846	6020	Inductively Coupled Plasma Mass Spectrometry(6020)	GJ	METALS, TOTAL - 2% HCL	01	STANDARD TEST SET	PROT: A	WRK LOC	06
MN	MH	SW846	6020	Inductively Coupled Plasma Mass Spectrometry(6020)	GJ	METALS, TOTAL - 2% HCL	01	STANDARD TEST SET	PROT: A	WRK LOC	06
MG	MH	SW846	6020	Inductively Coupled Plasma Mass Spectrometry(6020)	GJ	METALS, TOTAL - 2% HCL	01	STANDARD TEST SET	PROT: A	WRK LOC	06
KX	MH	SW846	6020	Inductively Coupled Plasma Mass Spectrometry(6020)	GJ	METALS, TOTAL - 2% HCL	01	STANDARD TEST SET	PROT: A	WRK LOC	06
FE	MH	SW846	6020	Inductively Coupled Plasma Mass Spectrometry(6020)	GJ	METALS, TOTAL - 2% HCL	01	STANDARD TEST SET	PROT: A	WRK LOC	06
XX	ZV		RAD SCREEN	RAD SCREEN	RA	IN-HOUSE RAD SCREEN	01	STANDARD TEST SET	PROT: A	WRK LOC	06
XX	AK	MCAW W	160.1	Solids, Filterable "TDS" (160.1)	88	NO SAMPLE PREPARATION PERFORMED / DIRECT	01	STANDARD TEST SET	PROT: A	WRK LOC	06
XX	C8	MCAW W	300.0A	Fluoride (300.0A, Ion Chromatography)	88	NO SAMPLE PREPARATION PERFORMED / DIRECT	01	STANDARD TEST SET	PROT: A	WRK LOC	06
XX	C9	MCAW W	300.0A	Nitrate as N (300.0A, Ion Chromatography)	88	NO SAMPLE PREPARATION PERFORMED / DIRECT	01	STANDARD TEST SET	PROT: A	WRK LOC	06
XX	CB	MCAW W	310.1	Alkalinity, Carbonate (310.1)	88	NO SAMPLE PREPARATION PERFORMED / DIRECT	01	STANDARD TEST SET	PROT: A	WRK LOC	06
XX	CX	MCAW W	300.0A	Chloride (300.0A, Ion Chromatography)	88	NO SAMPLE PREPARATION PERFORMED / DIRECT	01	STANDARD TEST SET	PROT: A	WRK LOC	06
XX	CY	MCAW W	300.0A	Sulfate (300.0A, Ion Chromatography)	88	NO SAMPLE PREPARATION PERFORMED / DIRECT	01	STANDARD TEST SET	PROT: A	WRK LOC	06
XX	GM	MCAW W	300.0A	Bromide (300.0A, Ion Chromatography)	88	NO SAMPLE PREPARATION PERFORMED / DIRECT	01	STANDARD TEST SET	PROT: A	WRK LOC	06
XX	GO	MCAW W	300.0A	Nitrite as N (300.0A, Ion Chromatography)	88	NO SAMPLE PREPARATION PERFORMED / DIRECT	01	STANDARD TEST SET	PROT: A	WRK LOC	06
XX	SL	SM18	1030F & API	Ion Balance (% Difference)	0X	CALCULATION ONLY	01	STANDARD TEST SET	PROT: A	WRK LOC	06

F8B210166 CLIENT ANALYSIS SUMMARY

Storage Loc: 1-225,METS
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Analytical Due Date: 2008-02-26
Report Due Date: 2008-02-26
Report Type: W
EDD Code: 00

Project Manager: IV
Quote #: 78576
SDG:
Project: 6468071777
EXcelon Victoria TEXAS COL
PO#: 200803591
Report to: Kathry WHite
Client: 373886 MACTEC Engineering and Consulting Inc

RUSH

#SMPS in LOT: 6

	XX	UX	MCAW W	310.1	Alkalinity, Bicarbonate (310.1)	88	NO SAMPLE PREPARATION PERFORMED / DIRECT	01	STANDARD TEST SET	PROT:A	WRK LOC	06
	XX	VC	MCAW W	310.1	Alkalinity, Total (310.1)	88	NO SAMPLE PREPARATION PERFORMED / DIRECT	01	STANDARD TEST SET	PROT:A	WRK LOC	06
	XX	VM	MCAW W	350.1	Nitrogen, Ammonia (350.1, Automated)	88	NO SAMPLE PREPARATION PERFORMED / DIRECT	01	STANDARD TEST SET	PROT:A	WRK LOC	06

SAMPLE #	CLIENT SAMPLE ID	Site ID	Client Matrix	DATE/TIME SAMPLED	WORKORDER	I
4	OW-2269L			2008-02-18 / 1400	KHE9P	WATER

SAMPLE COMMENTS:

	CA	MH	SW846	6020	Inductively Coupled Plasma Mass Spectrometry(6020)	GJ	METALS, TOTAL - 2% HCL	01	STANDARD TEST SET	PROT:A	WRK LOC	06
	FE	MH	SW846	6020	Inductively Coupled Plasma Mass Spectrometry(6020)	GJ	METALS, TOTAL - 2% HCL	01	STANDARD TEST SET	PROT:A	WRK LOC	06
	KX	MH	SW846	6020	Inductively Coupled Plasma Mass Spectrometry(6020)	GJ	METALS, TOTAL - 2% HCL	01	STANDARD TEST SET	PROT:A	WRK LOC	06
	MG	MH	SW846	6020	Inductively Coupled Plasma Mass Spectrometry(6020)	GJ	METALS, TOTAL - 2% HCL	01	STANDARD TEST SET	PROT:A	WRK LOC	06
	MN	MH	SW846	6020	Inductively Coupled Plasma Mass Spectrometry(6020)	GJ	METALS, TOTAL - 2% HCL	01	STANDARD TEST SET	PROT:A	WRK LOC	06
	SA	MH	SW846	6020	Inductively Coupled Plasma Mass Spectrometry(6020)	0X	CALCULATION ONLY	9Q	ORG FLAGS FOR INORG; STANDARD	PROT:A	WRK LOC	06
	SI	MH	SW846	6020	Inductively Coupled Plasma Mass Spectrometry(6020)	GJ	METALS, TOTAL - 2% HCL	01	STANDARD TEST SET	PROT:A	WRK LOC	06
	NA	MH	SW846	6020	Inductively Coupled Plasma Mass Spectrometry(6020)	GJ	METALS, TOTAL - 2% HCL	01	STANDARD TEST SET	PROT:A	WRK LOC	06
	XX	ZV		RAD SCREEN	RAD SCREEN	RA	IN-HOUSE RAD SCREEN	01	STANDARD TEST SET	PROT:A	WRK LOC	06
	XX	AK	MCAW W	160.1	Solids, Filterable "TDS" (160.1)	88	NO SAMPLE PREPARATION PERFORMED / DIRECT	01	STANDARD TEST SET	PROT:A	WRK LOC	06
	XX	C8	MCAW W	300.0A	Fluoride (300.0A, Ion Chromatography)	88	NO SAMPLE PREPARATION PERFORMED / DIRECT	01	STANDARD TEST SET	PROT:A	WRK LOC	06
	XX	C9	MCAW W	300.0A	Nitrate as N (300.0A, Ion Chromatography)	88	NO SAMPLE PREPARATION PERFORMED / DIRECT	01	STANDARD TEST SET	PROT:A	WRK LOC	06
	XX	CB	MCAW W	310.1	Alkalinity, Carbonate (310.1)	88	NO SAMPLE PREPARATION PERFORMED / DIRECT	01	STANDARD TEST SET	PROT:A	WRK LOC	06
	XX	CB	MCAW W	310.1	Alkalinity, Carbonate (310.1)	88	NO SAMPLE PREPARATION PERFORMED / DIRECT	01	STANDARD TEST SET	PROT:A	WRK LOC	06
	XX	CX	MCAW W	300.0A	Chloride (300.0A, Ion Chromatography)	88	NO SAMPLE PREPARATION PERFORMED / DIRECT	01	STANDARD TEST SET	PROT:A	WRK LOC	06
	XX	CY	MCAW W	300.0A	Sulfate (300.0A, Ion Chromatography)	88	NO SAMPLE PREPARATION PERFORMED / DIRECT	01	STANDARD TEST SET	PROT:A	WRK LOC	06
	XX	GM	MCAW W	300.0A	Bromide (300.0A, Ion Chromatography)	88	NO SAMPLE PREPARATION PERFORMED / DIRECT	01	STANDARD TEST SET	PROT:A	WRK LOC	06
	XX	GO	MCAW W	300.0A	Nitrite as N (300.0A, Ion Chromatography)	88	NO SAMPLE PREPARATION PERFORMED / DIRECT	01	STANDARD TEST SET	PROT:A	WRK LOC	06
	XX	SL	SM18	1030F & API	Ion Balance (% Difference)	0X	CALCULATION ONLY	01	STANDARD TEST SET	PROT:A	WRK LOC	06
	XX	UX	MCAW W	310.1	Alkalinity, Bicarbonate (310.1)	88	NO SAMPLE PREPARATION PERFORMED / DIRECT	01	STANDARD TEST SET	PROT:A	WRK LOC	06
	XX	UX	MCAW W	310.1	Alkalinity, Bicarbonate (310.1)	88	NO SAMPLE PREPARATION PERFORMED / DIRECT	01	STANDARD TEST SET	PROT:A	WRK LOC	06
	XX	VC	MCAW W	310.1	Alkalinity, Total (310.1)	88	NO SAMPLE PREPARATION PERFORMED / DIRECT	01	STANDARD TEST SET	PROT:A	WRK LOC	06
	XX	VC	MCAW W	310.1	Alkalinity, Total (310.1)	88	NO SAMPLE PREPARATION PERFORMED / DIRECT	01	STANDARD TEST SET	PROT:A	WRK LOC	06
	XX	VM	MCAW W	350.1	Nitrogen, Ammonia (350.1, Automated)	88	NO SAMPLE PREPARATION PERFORMED / DIRECT	01	STANDARD TEST SET	PROT:A	WRK LOC	06
S	XX	VC	MCAW W	310.1	Alkalinity, Total (310.1)	88	NO SAMPLE PREPARATION PERFORMED / DIRECT	01	STANDARD TEST SET	PROT:A	WRK LOC	06
X	XX	CB	MCAW W	310.1	Alkalinity, Carbonate (310.1)	88	NO SAMPLE PREPARATION PERFORMED / DIRECT	01	STANDARD TEST SET	PROT:A	WRK LOC	06
X	XX	UX	MCAW W	310.1	Alkalinity, Bicarbonate (310.1)	88	NO SAMPLE PREPARATION PERFORMED / DIRECT	01	STANDARD TEST SET	PROT:A	WRK LOC	06
X	XX	VC	MCAW W	310.1	Alkalinity, Total (310.1)	88	NO SAMPLE PREPARATION PERFORMED / DIRECT	01	STANDARD TEST SET	PROT:A	WRK LOC	06

SAMPLE #	CLIENT SAMPLE ID	Site ID	Client Matrix	DATE/TIME SAMPLED	WORKORDER	I
5	OW-2301U			2008-02-18 / 1530	KHE9R	WATER

SAMPLE COMMENTS:

F8B210166 CLIENT ANALYSIS SUMMARY

Storage Loc: 1-225,METS

Project Manager: IV | Quote #: 78576 | SDG:

Project: 6468071777 | EXcelon Victoria TEXAS COL

PO#: 200803591 | Report to: Kathry WHite

Client: 373886 MACTEC Engineering and Consulting Inc

RUSH

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Date Received: 2008-02-19
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	NA	MH	SW846	6020	Inductively Coupled Plasma Mass Spectrometry(6020)	GJ	METALS, TOTAL - 2% HCL	01	STANDARD TEST SET	PROT:A	WRK LOC	06
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	XX	C8	MCAW W	300.0A	Fluoride (300.0A, Ion Chromatography)	88	NO SAMPLE PREPARATION PERFORMED / DIRECT	01	STANDARD TEST SET	PROT:A	WRK LOC	06
	XX	C9	MCAW W	300.0A	Nitrate as N (300.0A, Ion Chromatography)	88	NO SAMPLE PREPARATION PERFORMED / DIRECT	01	STANDARD TEST SET	PROT:A	WRK LOC	06
	XX	CB	MCAW W	310.1	Alkalinity, Carbonate (310.1)	88	NO SAMPLE PREPARATION PERFORMED / DIRECT	01	STANDARD TEST SET	PROT:A	WRK LOC	06
	XX	CX	MCAW W	300.0A	Chloride (300.0A, Ion Chromatography)	88	NO SAMPLE PREPARATION PERFORMED / DIRECT	01	STANDARD TEST SET	PROT:A	WRK LOC	06
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	XX	VC	MCAW W	310.1	Alkalinity, Total (310.1)	88	NO SAMPLE PREPARATION PERFORMED / DIRECT	01	STANDARD TEST SET	PROT:A	WRK LOC	06
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6	OW-2301L			2008-02-18 / 1540	KHE9T	WATER

SAMPLE COMMENTS:

	FE	MH	SW846	6020	Inductively Coupled Plasma Mass Spectrometry(6020)	GJ	METALS, TOTAL - 2% HCL	01	STANDARD TEST SET	PROT:A	WRK LOC	06

F8B210166

CLIENT ANALYSIS SUMMARY

Storage Loc: 1-225,METS

Project Manager: IV
Quote #: 78576
SDG:
Project: 6468071777
EXcelon Victoria TEXAS COL
PO#: 200803591
Report to: Kathry WHite
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XX	UX	MCAW W	310.1	Alkalinity, Bicarbonate (310.1)	88	NO SAMPLE PREPARATION PERFORMED / DIRECT	01	STANDARD TEST SET	PROT: A	WRK LOC	06
XX	VC	MCAW W	310.1	Alkalinity, Total (310.1)	88	NO SAMPLE PREPARATION PERFORMED / DIRECT	01	STANDARD TEST SET	PROT: A	WRK LOC	06
XX	VM	MCAW W	350.1	Nitrogen, Ammonia (350.1, Automated)	88	NO SAMPLE PREPARATION PERFORMED / DIRECT	01	STANDARD TEST SET	PROT: A	WRK LOC	06

Chain of Custody Record

Temperature on Receipt _____

Drinking Water? Yes ☐ No ☒

TAL-4124 (1007)

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Client	MACTEC
Address	3301 Atlantic Ave
City / State / Zip Code	Raleigh / NC / 27604
Project Manager	William Grimes (919) 831-8029; Chris Bruce (864) 430-7415
Telephone Number (Area Code)/Fax Number	(864) 430-7415
Site Contact	C. Bruce
Lab Contact	NA
Project Name and Location (State)	Exelon Victoria COL, TX
Carrier/Waybill Number	FedEx 799274395114
Contract/Purchase Order/Quote No.	
Date	2/18/08
Chain of Custody Number	061790
Lab Number	NA
Page	1 of 1

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	TDS/Alk	Anions	Metals	Ammonia							Special Instructions/ Conditions of Receipt
OW-2169U	2-18-08	10:30		X			2	1	1				1	1	1	1				(met)			500P
OW-2169L	2-18-08	10:20		X			2	1	1				1	1	1	1		120P, 2x250P,					Anions includes a short hold for Nitrate/Nitrite
OW-2269U	2-18-08	12:30		X			2	1	1				1	1	1	1							
OW-2269L	2-18-08	2:00		X			2	1	1				1	1	1	1							
OW-2301U	2-18-08	3:30		X			2	1	1				1	1	1	1				Sw 02.19.08			
OW-2301L	2-18-08	3:40		X			2	1	1				1	1	1	1							
																		120P		w/c 02.19.08			

Possible Hazard Identification: ☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal: ☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required: ☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other _____

QC Requirements (Specify):

	Date	Time		Date	Time
1. Relinquished By: Jeffrey K Moore	2-18-08	5:15	1. Received By: [signature]	02.19.08	0950
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

- 2087 - Lot #(s): F8B210166

Condition Upon Receipt Form

Client: Mactec
Quote No: 78576
COC/RFA No: 061790
Initiated By: SV
Date: 02.19.08
Time: 0950

Shipping Information

Shipper Name: FedX
Shipping # (s):*
1. 7992 7439 5114
2.
3.
4.
5.
6.
7.
8.
9.
10.

Multiple Packages Y (N)
Sample Temperature (s):**
1. 2°
2.
3.
4.
5.
6.
7.
8.
9.
10.

*Numbered shipping lines correspond to Numbered Sample Temp lines

**Sample must be received at 4°C ± 2°C- If not, note contents below. Temperature variance does NOT affect the following: Metals-Liquid or Rad tests- Liquid or Solids

Condition (Circle "Y" for yes, "N" for no and "N/A" for not applicable):

1.	(Y) N	Are there custody seals present on the cooler?	8.	(Y) N	Are there custody seals present on bottles?
2.	Y (N) N/A	Do custody seals on cooler appear to be tampered with?	9.	Y (N) N/A	Do custody seals on bottles appear to be tampered with?
3.	(Y) N	Were contents of cooler frisked after opening, but before unpacking?	10.	(Y) N N/A	Was sample received with proper pH[1]? (If not, make note below)
4.	(Y) N	Sample received with Chain of Custody?	11.	Y N	If N/A- Was pH taken by original TestAmerica lab?
5.	(Y) N N/A	Does the Chain of Custody match sample ID's on the container(s)?	12.	(Y) N	Sample received in proper containers?
6.	Y (N)	Was sample received broken?	13.	Y N (N/A)	Headspace in VOA or TOX liquid samples? (If Yes, note sample ID's below)
7.	(Y) N	Is sample volume sufficient for analysis?	14.	Y N	Was Internal COC/Workshare received?

[1] For DOE-AL (Pantex, LANL, Sandia) sites, pH of ALL containers received must be verified, EXCEPT VOA, TOX and soils.

Notes:

Corrective Action:
- ☐ Client Contact Name: _____ Informed by: _____
- ☐ Sample(s) processed "as is"
- ☐ Sample(s) on hold until: _____ If released, notify: _____

Project Management Review: [signature] Date: 2-22-08 - 2087 -

THIS FORM MUST BE COMPLETED AT THE TIME THE ITEMS ARE BEING CHECKED IN. IF ANY ITEM IS COMPLETED BY SOMEONE OTHER THAN THE INITIATOR, THEN THAT PERSON IS REQUIRED TO APPLY THEIR INITIAL AND THE DATE NEXT TO THAT ITEM.

ADMIN-0004, REVISED 08/06/07\\Slsvr01\QA\FORMS\ST-LOUIS\ADMIN\Admin004 rev11.doc

Slug Test Data Forms

Checked by: CHB Date: 3-14-08

MACTEC

SLUG TEST REPORT

Project Name: Exelon COL	Project Number: 6468-07-1777 CHB 3-14-08	Page 1 of 1	OW-2150U
Client: Bechtel	Contractor: MACTEC		
Location: Victoria	MACTEC Rep: L.M. BISSON B. TAYLOR	Date: 1/17/08	

UNITS	
Length	Feet
Time	Minutes
Well Data	
Static Water Level	36.48 feet
Total Well Depth	67.05 feet
Static Water Column Height (H)	30.67 feet

	Background	Falling Head	Rising Head
Observed Initial Displacement (H_0)	NA	~15 FEET	~15.5 FEET

Saturated Thickness (b)	feet See Log
Conductivity Anisotropy (Kv/Kh)	Assume 1 to 1
Depth to Top of Well Screen (d)	55 feet ~~See Log~~ KR 2-17-08
Length of Well Screen (L)	10 feet
Radius of Well Casing (rc)	0.083 feet
Radius of Screen (rw)	0.083 feet
Radius of Probe (req)	
Radius of Boring (rsk) Skin Effect	0.083 feet
Probe Serial Number	
Slug Data	
Length	
weight	
Diameter	

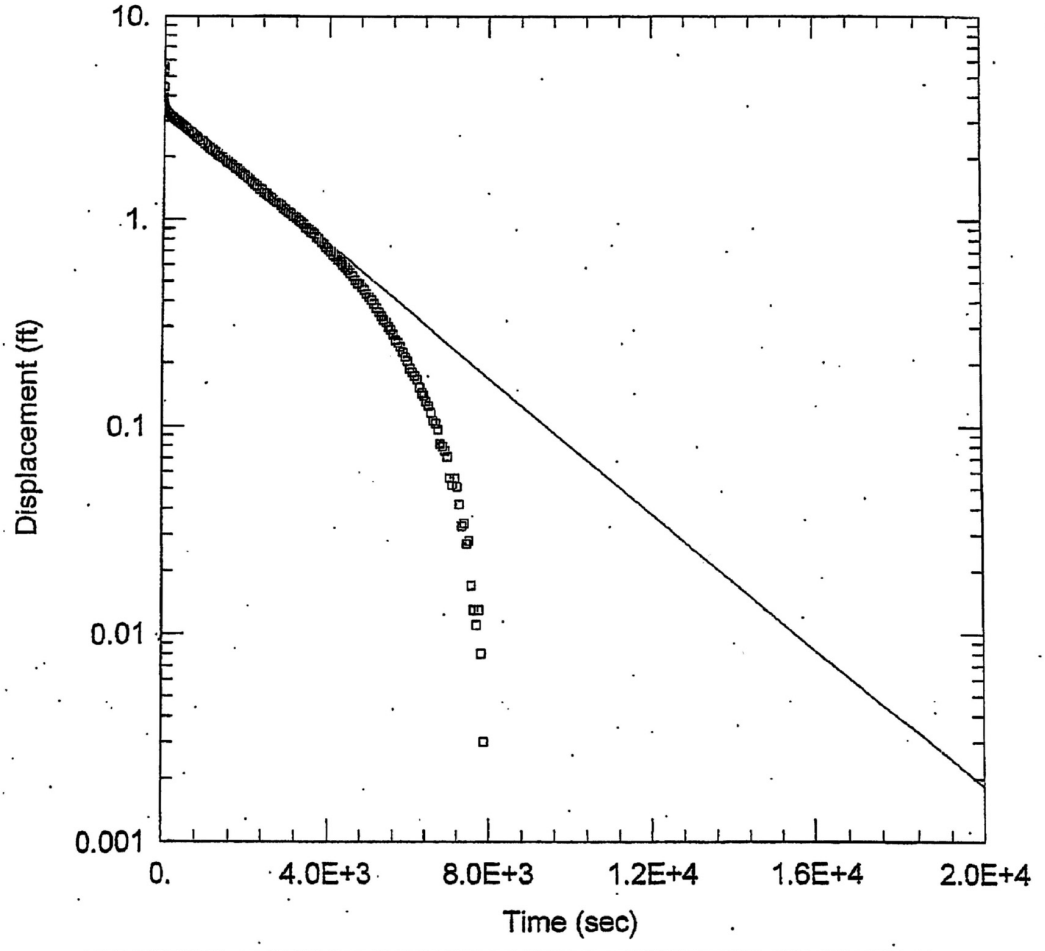
Slug Test File	Background	Falling	Rising
File Name	OW-2150U BACKGROUND	OW-2150U FALLING HEAD	OW-2150U RISING HEAD
Start Time	11:06:29 AM	11:32:32 AM	2:50:03 PM
End Time	11:28:29 AM	2:48:20 PM	3:09:51 PM

Notes

TRANSDUCER FULL OF SILT UPON RECOVERY.

Rev 0

Prepared by: CHB Date: 3/13/08
Checked by: BWJ Date: 3/14/08



OW-2150 U FALLING HEAD HEAD TEST

PROJECT INFORMATION

Company: EXELON
Client: BECHTEL
Project: 6468-07-1777
Location: VICTORIA SITE
Test Well: OW-2150 U
Test Date: 1/17/07

AQUIFER DATA

Saturated Thickness: 9.1 ft
Anisotropy Ratio (Kz/Kr): 1.

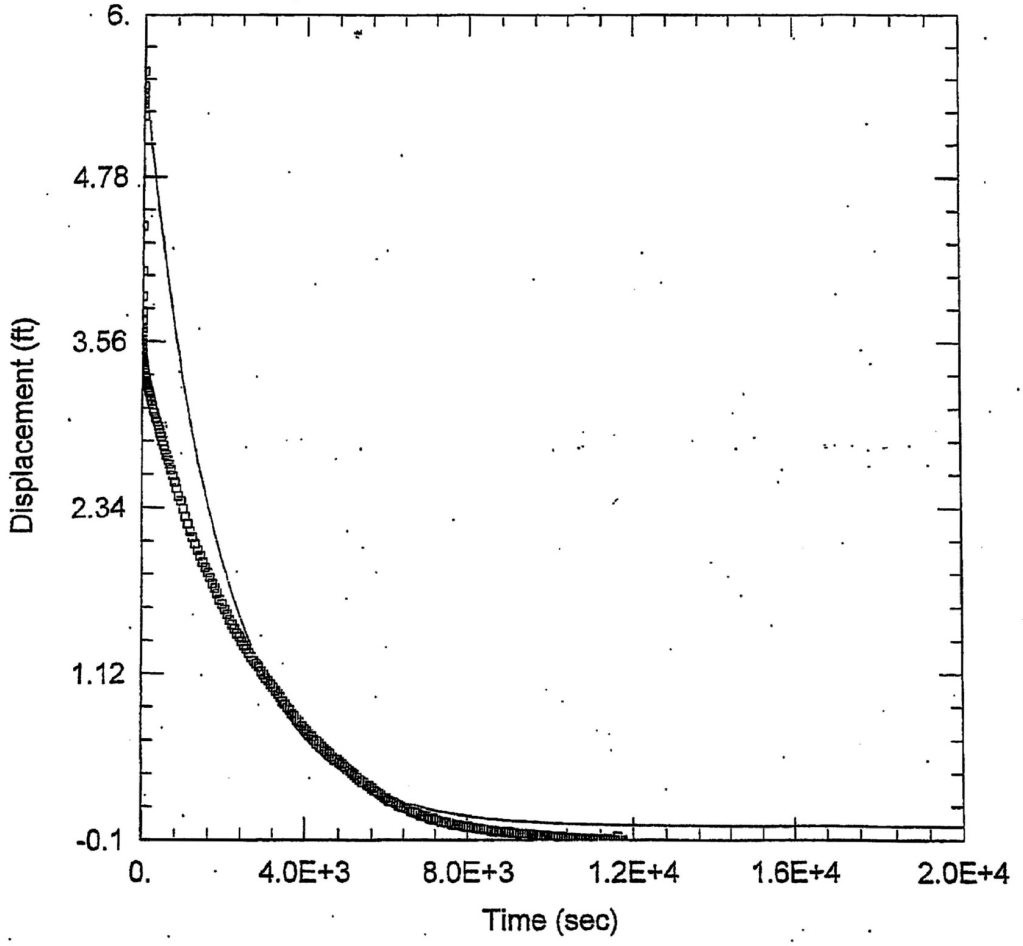
WELL DATA (OW-2150 U)

Initial Displacement: 5.565 ft
Total Well Penetration Depth: 65. ft
Casing Radius: 0.083 ft
Static Water Column Height: 30.67 ft
Screen Length: 10. ft
Well Radius: 0.083 ft

SOLUTION

Aquifer Model: Confined
Solution Method: Bouwer-Rice
K = 0.05449 ft/day
y0 = 3.486 ft

Prepared by: CHB Date: 3/13/08
Checked by: BWL Date: 3/14/08



OW-2150 U FALLING HEAD HEAD TEST

PROJECT INFORMATION

Company: EXELON
Client: BECHTEL
Project: 6468-07-1777
Location: VICTORIA SITE
Test Well: OW-2150 U
Test Date: 1/17/07

AQUIFER DATA

Saturated Thickness: 9.1 ft
Anisotropy Ratio (Kz/Kr): 1.

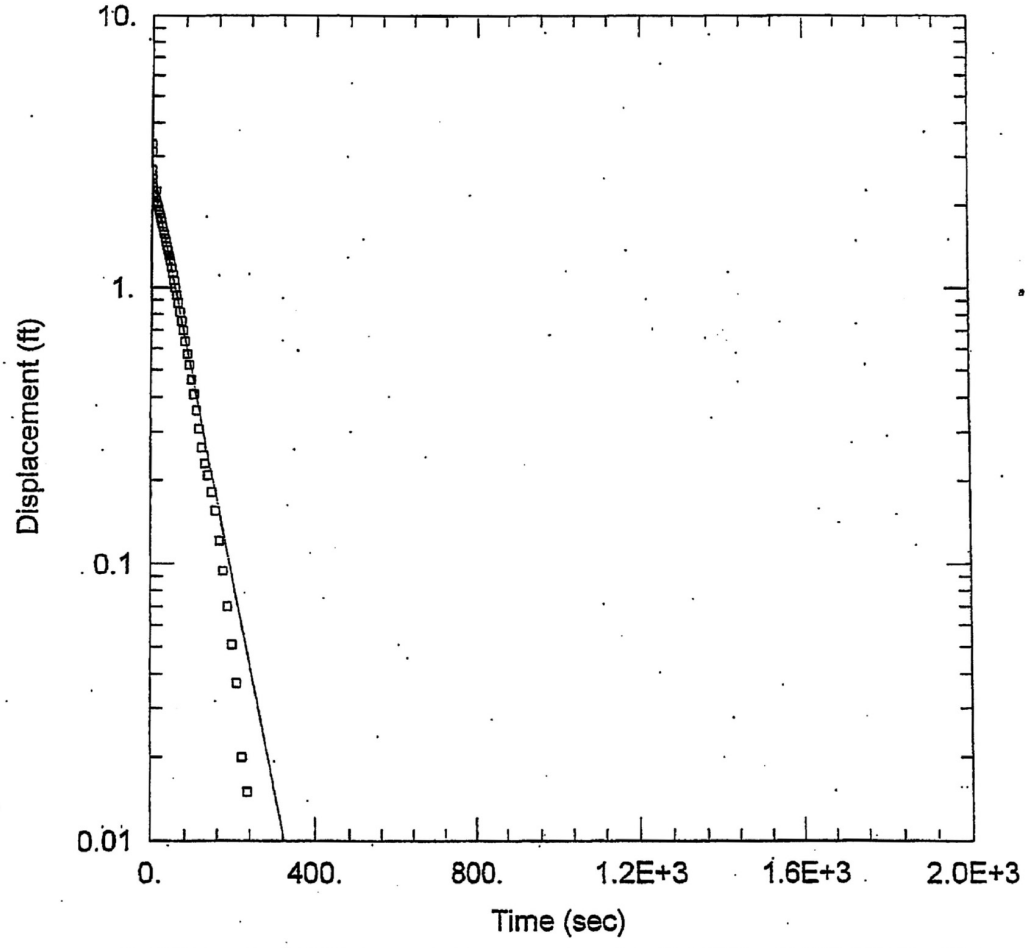
WELL DATA (OW-2150 U)

Initial Displacement: 5.565 ft
Total Well Penetration Depth: 65. ft
Casing Radius: 0.083 ft
Static Water Column Height: 30.67 ft
Screen Length: 10. ft
Well Radius: 0.083 ft

SOLUTION

Aquifer Model: Confined
Solution Method: Butler
K = 0.08468 ft/day
Le = 0.1 ft

Prepared by: CHB Date: 3/13/08
Checked by: BWJ Date: 3/14/08



OW-2150 U RISING HEAD HEAD TEST

PROJECT INFORMATION

Company: EXELON
Client: BECHTEL
Project: 6468-07-1777
Location: VICTORIA SITE
Test Well: OW-2150 U
Test Date: 1/17/07

AQUIFER DATA

Saturated Thickness: 9.1 ft
Anisotropy Ratio (Kz/Kr): 1.

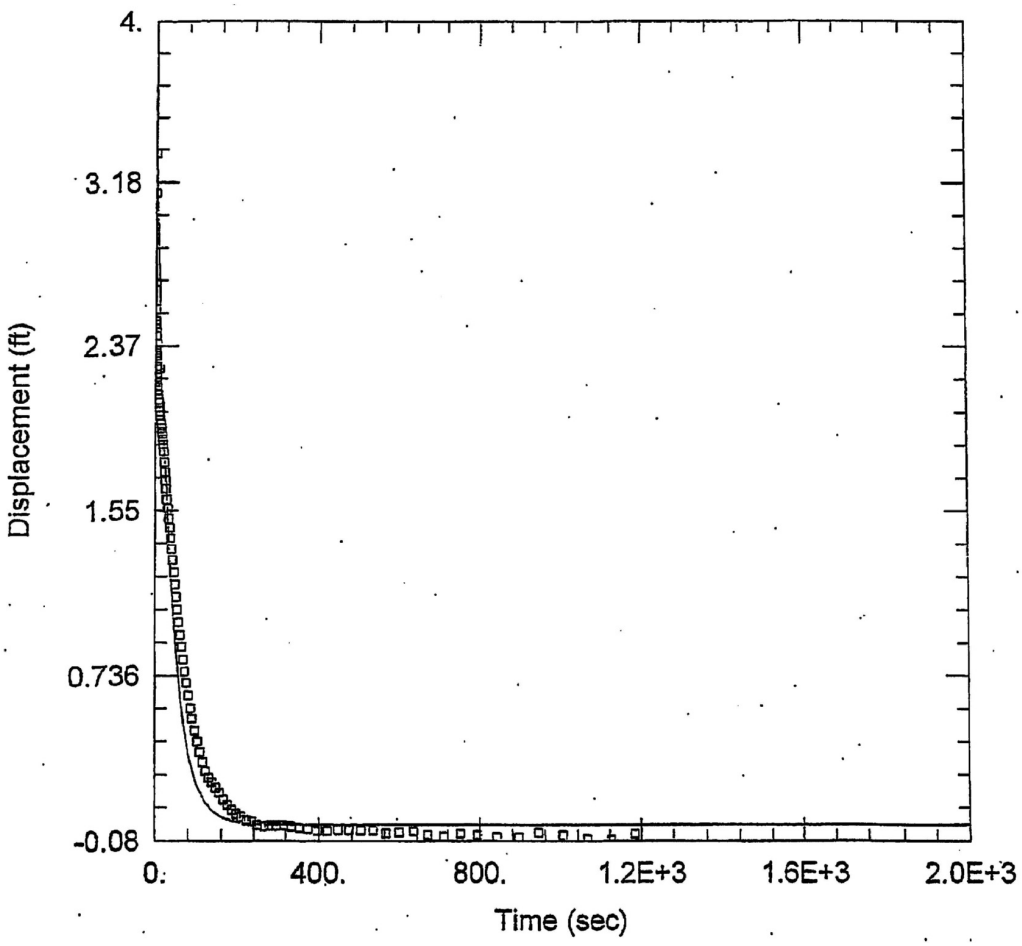
WELL DATA (OW-2150 U)

Initial Displacement: 3.329 ft
Total Well Penetration Depth: 65. ft
Casing Radius: 0.083 ft
Static Water Column Height: 30.67 ft
Screen Length: 10. ft
Well Radius: 0.083 ft

SOLUTION

Aquifer Model: Confined
Solution Method: Bouwer-Rice
K = 2.464 ft/day
y0 = 2.58 ft

Prepared by: CHS Date: 3/13/08
Checked by: BWJ Date: 3/14/0



OW-2150 U RISING HEAD HEAD TEST

PROJECT INFORMATION

Company: EXELON
Client: BECHTEL
Project: 6468-07-1777
Location: VICTORIA SITE
Test Well: OW-2150 U
Test Date: 1/17/07

AQUIFER DATA

Saturated Thickness: 9.1 ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (OW-2150 U)

Initial Displacement: 3.329 ft
Total Well Penetration Depth: 65. ft
Casing Radius: 0.083 ft
Static Water Column Height: 30.67 ft
Screen Length: 10. ft
Well Radius: 0.083 ft

SOLUTION

Aquifer Model: Confined
Solution Method: Butler
K = 4.462 ft/day
Le = 0.1 ft

Checked by: CHB Date: 3/14/08

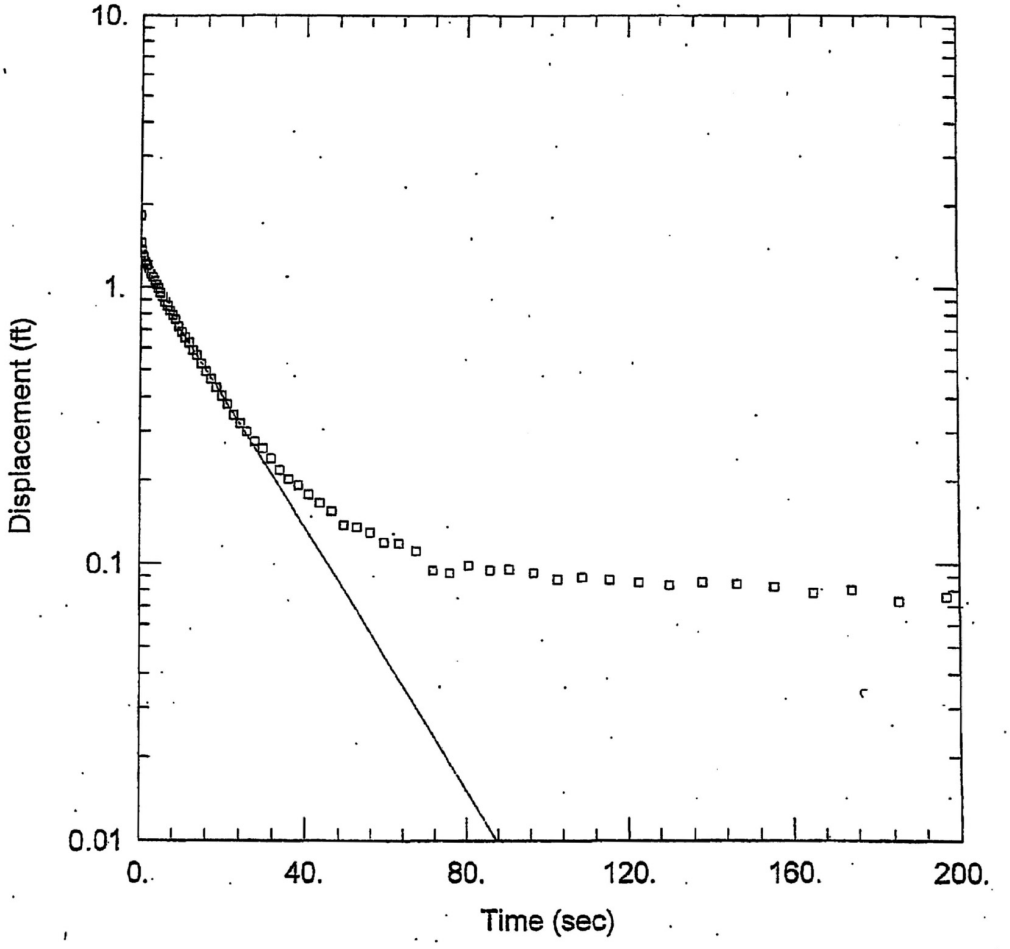
MACTEC

SLUG TEST REPORT

Project Name: Exelon COL	Project Number: 6468-07-1777	Page 1 of 1	OW-2150L
Client: Bechtel	Contractor: MACTEC CHB 3/14/08		
Location: Victoria	MACTEC Rep: Jeff Moore	Date: 1/21/08 JMM 1-21-08	

UNITS			
Length	Feet		
Time	Minutes		
Well Data	JMM 1-21-08		
Static Water Level	~~51.75~~ 49.34 1-21-08 feet		
Total Well Depth	~~[illegible]~~ 153.71 feet		
Static Water Column Height (H)	~~[illegible]~~ feet 104.37		
	Background	Falling Head	Rising Head
Observed Initial Displacement (H_0)	NA	~2.5	~2.0 FEET
Saturated Thickness (b)	feet		
Conductivity Anisotropy (Kv/Kh)	Assume 1 to 1		
Depth to Top of Well Screen (d)	140 feet		
Length of Well Screen (L)	10 feet		
Radius of Well Casing (rc)	0.083 feet		
Radius of Screen (rw)	0.083 feet		
Radius of Probe (req)			
Radius of Boring (rsk) Skin Effect	0.083 feet		
Probe Serial Number	119305		
Slug Data			
Length			
weight			
Diameter			
Slug Test File	Background	Falling	Rising
File Name	OW-2150L Background	OW-2150L Falling Head	OW-2150L Rising Head
Start Time	11:35:23	11:52:57	12:03:36
End Time	11:50.23	~~[illegible]~~ 12:00:27	12:04:51
Notes			

Prepared by: CHS Date: 3/13/08
Checked by: BLW Date: 3/14/08



OW-2150 L RISING HEAD HEAD TEST

PROJECT INFORMATION

Company: EXELON
Client: BECHTEL
Project: 6468-07-1777
Location: VICTORIA SITE
Test Well: OW-2150 L
Test Date: 1/17/07

AQUIFER DATA

Saturated Thickness: 1.5 ft
Anisotropy Ratio (Kz/Kr): 1.

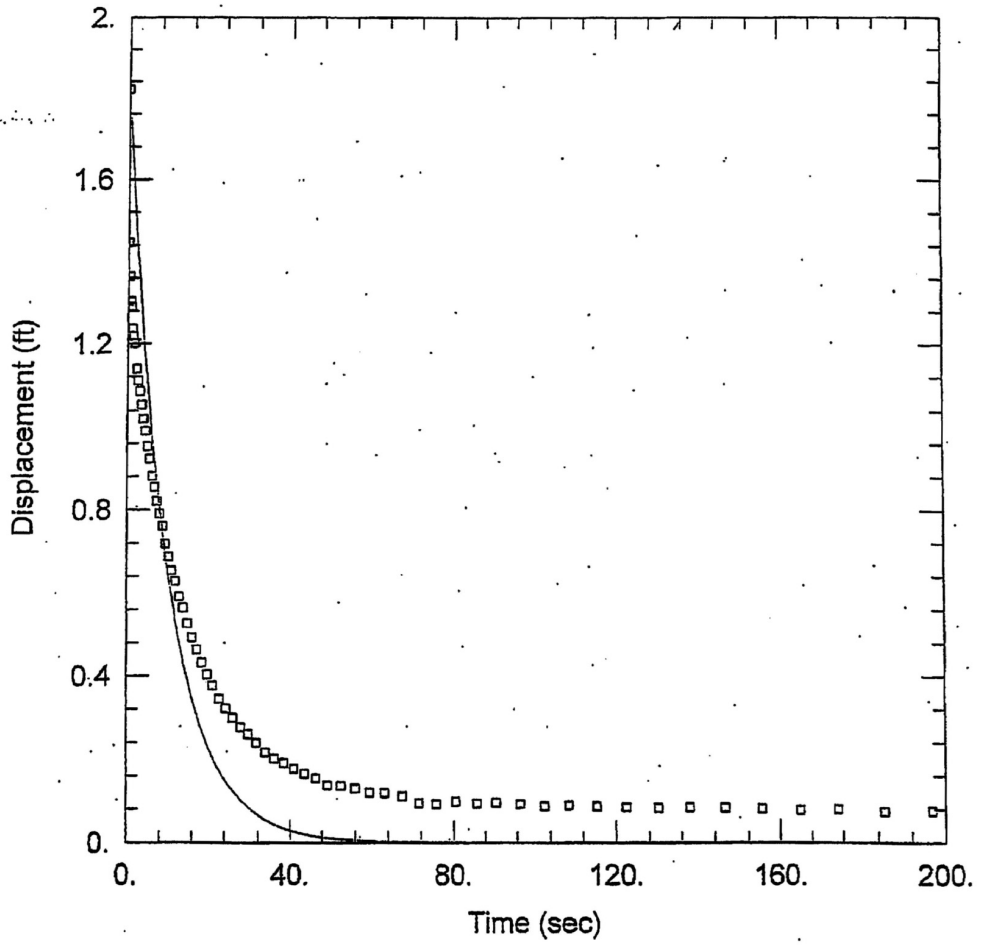
WELL DATA (OW-2150 L)

Initial Displacement: 1.821 ft
Total Well Penetration Depth: 150. ft
Casing Radius: 0.083 ft
Static Water Column Height: 104.4 ft
Screen Length: 10. ft
Well Radius: 0.083 ft

SOLUTION

Aquifer Model: Confined
Solution Method: Bouwer-Rice
K = 8.67 ft/day
y0 = 1.196 ft

Prepared by: CHB Date: 3/13/08
Checked by: BWJ Date: 3/14/08



OW-2150 L RISING HEAD HEAD TEST

PROJECT INFORMATION

Company: EXELON
Client: BECHTEL
Project: 6468-07-1777
Location: VICTORIA SITE
Test Well: OW-2150 L
Test Date: 1/17/07

AQUIFER DATA

Saturated Thickness: 1.5 ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (OW-2150 L)

Initial Displacement: 1.821 ft
Total Well Penetration Depth: 150. ft
Casing Radius: 0.083 ft
Static Water Column Height: 104.4 ft
Screen Length: 10. ft
Well Radius: 0.083 ft

SOLUTION

Aquifer Model: Confined
Solution Method: Butler
K = 16.44 ft/day
Le = 0.1 ft

MACTEC

Checked by: CHB Date: 3/14/08

SLUG TEST REPORT

Project Name: Exelon COL	Project Number: 6469-07-1777	Page 1 of 1	OW-2169U
Client: Bechtel	Contractor: MACTEC		
Location: Victoria	MACTEC Rep: L.M. BISSON B. TAYLOR	Date: 1/17/08	

UNITS	
Length	Feet
Time	Minutes
Well Data	
Static Water Level	33.27 feet
Total Well Depth	68.70 feet
Static Water Column Height (H)	35.43 feet

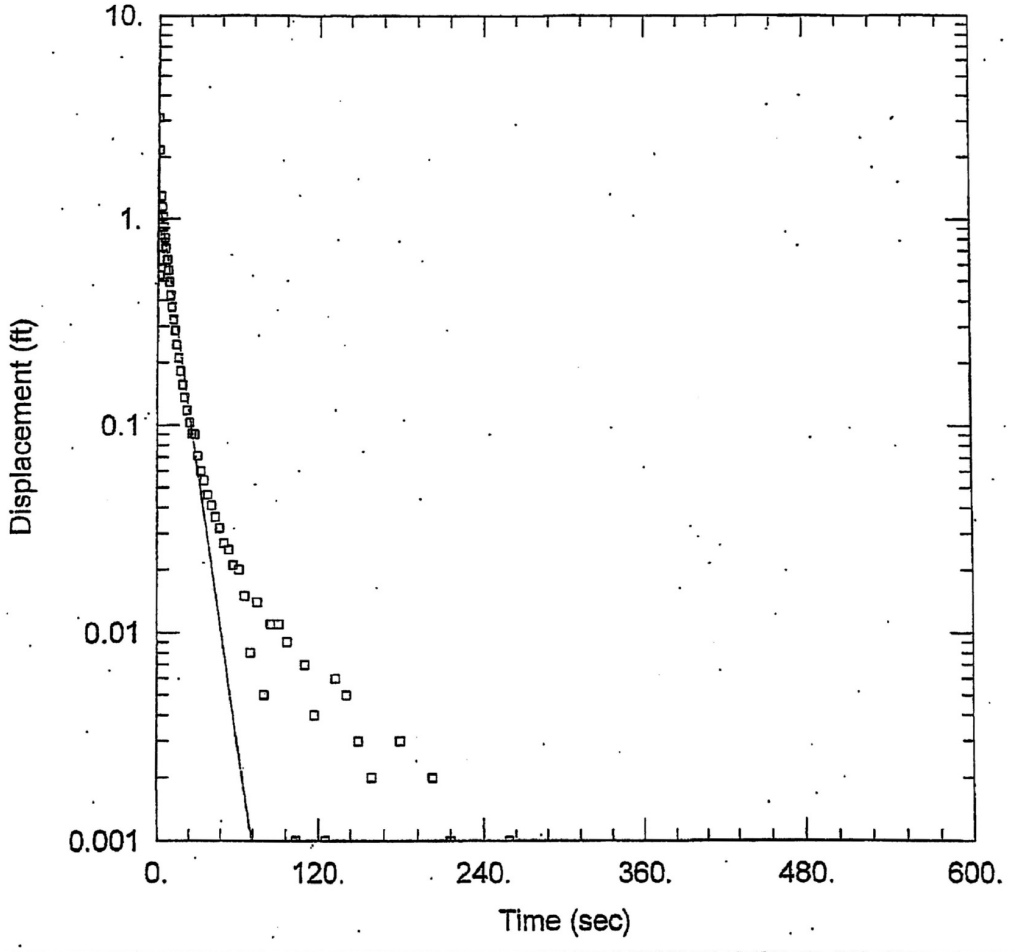
	Background	Falling Head	Rising Head
Observed Initial Displacement (H_0)	NA	~5 FEET	

Saturated Thickness (b)	feet
Conductivity Anisotropy (Kv/Kh)	Assume 1 to 1
Depth to Top of Well Screen (d)	55 feet
Length of Well Screen (L)	10 feet
Radius of Well Casing (rc)	0.083 feet
Radius of Screen (rw)	0.083 feet
Radius of Probe (req)	
Radius of Boring (rsk) Skin Effect	0.083 feet
Probe Serial Number	
Slug Data	
Length	
weight	
Diameter	

Slug Test File	Background	Falling	Rising
File Name	OW-2169U BACKGROUND	OW-2169U FALLING HEAD	OW-2169U RISING HEAD
Start Time	3:26:18 1/16	9:06:32	
End Time	8:56:18 1/17	9:16:32	

Notes

Prepared by: CHD Date: 3/13/08
Checked by: BWJ Date: 3/14/08



OW-2169 U FALLING HEAD HEAD TEST

PROJECT INFORMATION

Company: EXELON
Client: BECHTEL
Project: 6468-07-1777
Location: VICTORIA SITE
Test Well: OW-2169 U
Test Date: 1/16/07

AQUIFER DATA

Saturated Thickness: 10. ft
Anisotropy Ratio (Kz/Kr): 1.

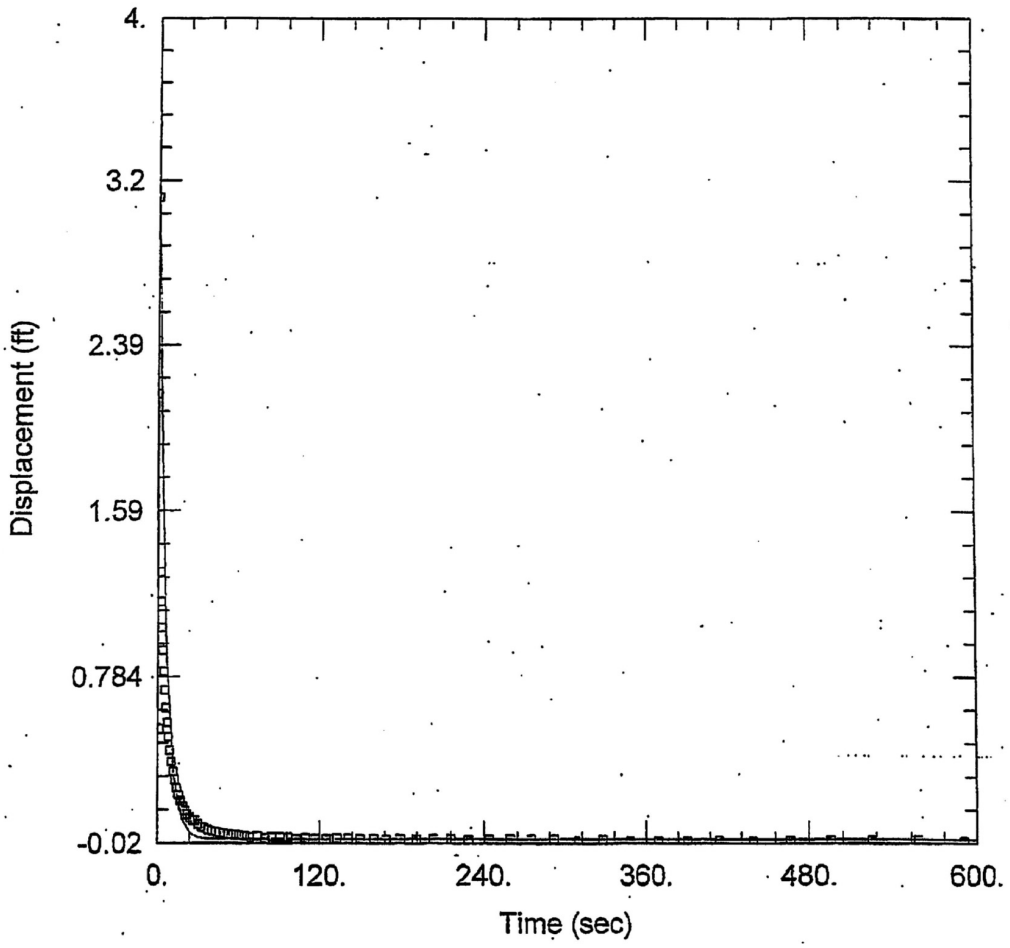
WELL DATA (OW-2150 L)

Initial Displacement: 3.114 ft
Total Well Penetration Depth: 65. ft
Casing Radius: 0.083 ft
Static Water Column Height: 35.43 ft
Screen Length: 10. ft
Well Radius: 0.083 ft

SOLUTION

Aquifer Model: Confined
Solution Method: Bouwer-Rice
K = 14.5 ft/day
y0 = 1.277 ft

Prepared by: CAS Date: 3/13/08
Checked by: BWJ Date: 3/14/08



OW-2169 U FALLING HEAD HEAD TEST

PROJECT INFORMATION

Company: EXELON
Client: BECHTEL
Project: 6468-07-1777
Location: VICTORIA SITE
Test Well: OW-2169 U
Test Date: 1/16/07

AQUIFER DATA

Saturated Thickness: 10. ft
Anisotropy Ratio (Kz/Kr): 1.

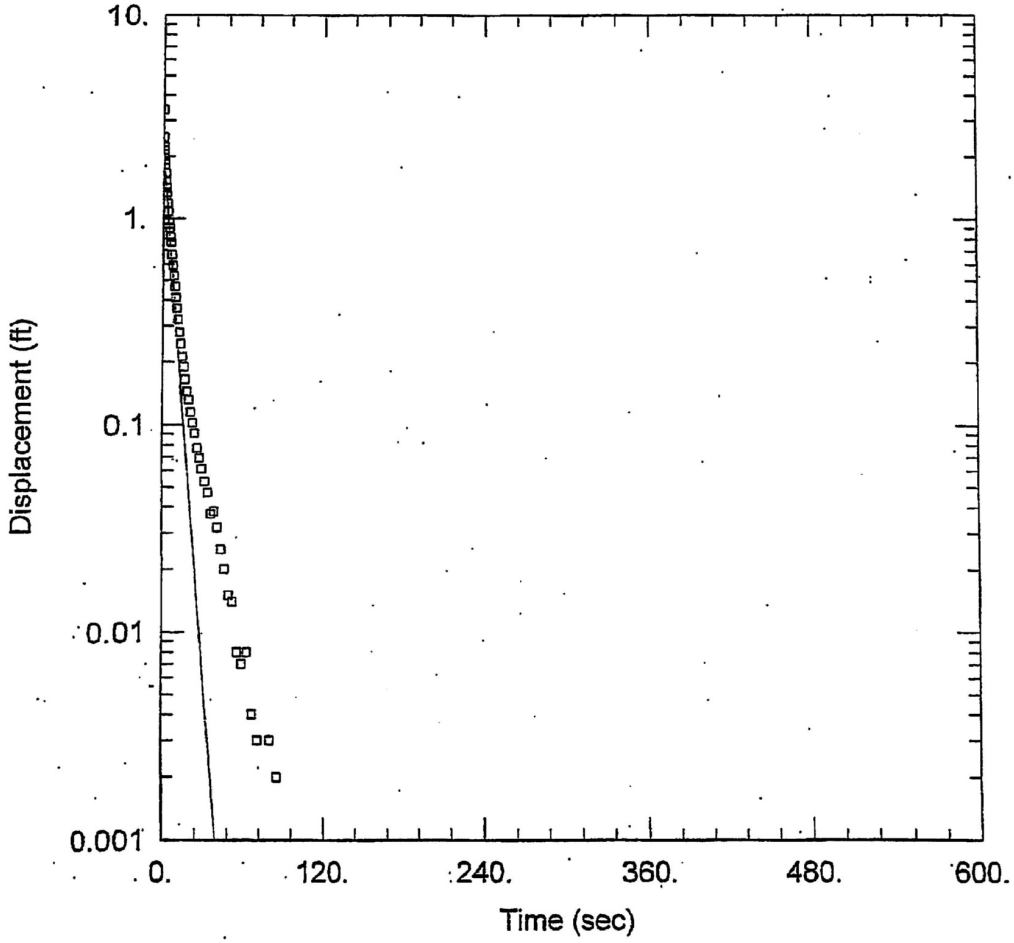
WELL DATA (OW-2150 L)

Initial Displacement: 3.114 ft
Total Well Penetration Depth: 65. ft
Casing Radius: 0.083 ft
Static Water Column Height: 35.43 ft
Screen Length: 10. ft
Well Radius: 0.083 ft

SOLUTION

Aquifer Model: Confined
Solution Method: Butler
K = 30.15 ft/day
Le = 10. ft

Prepared by: CHB Date: 3/13/0
Checked by: BHL Date: 3/14/0



OW-2169 U RISING HEAD HEAD TEST

PROJECT INFORMATION

Company: EXELON
Client: BECHTEL
Project: 6468-07-1777
Location: VICTORIA SITE
Test Well: OW-2169 U
Test Date: 1/16/07

AQUIFER DATA

Saturated Thickness: 10. ft

Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (OW-2150 L)

Initial Displacement: 3.392 ft
Total Well Penetration Depth: 65. ft
Casing Radius: 0.083 ft

Static Water Column Height: 35.43 ft
Screen Length: 10. ft
Well Radius: 0.083 ft

SOLUTION

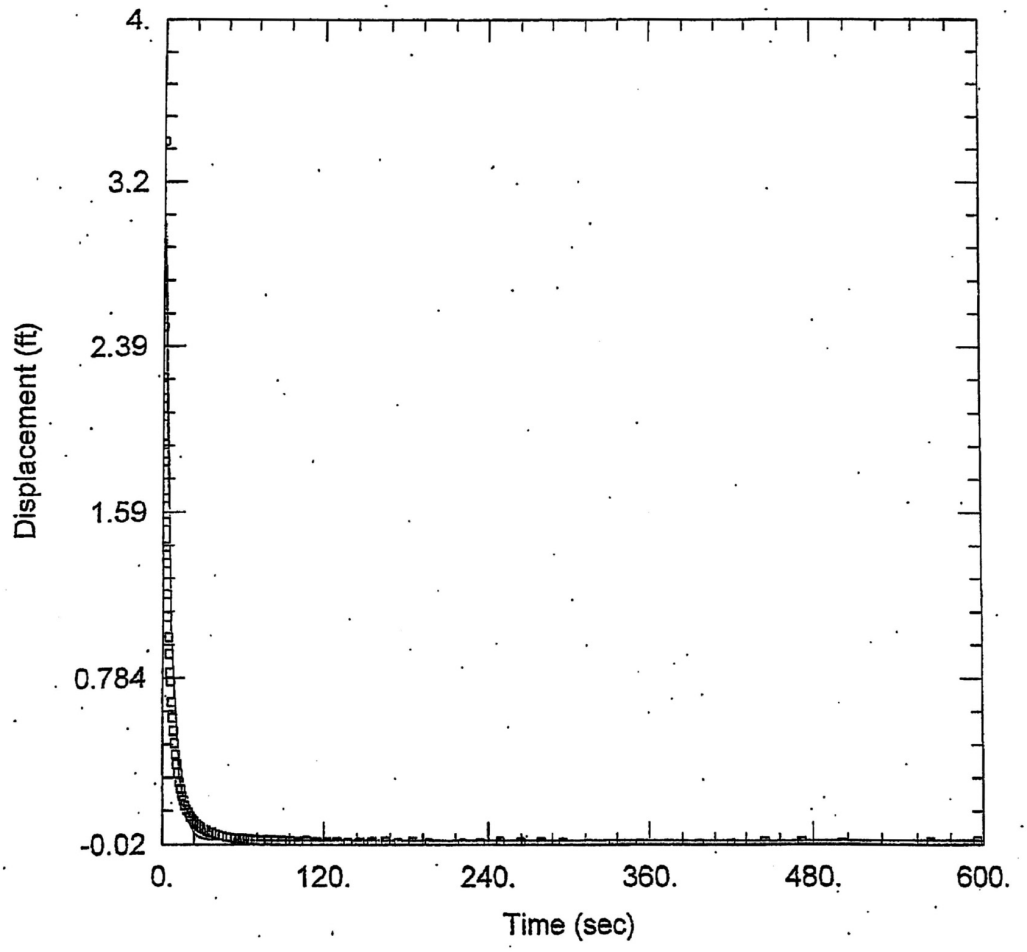
Aquifer Model: Confined

Solution Method: Bouwer-Rice

K = 28.44 ft/day

y0 = 2.147 ft

Prepared by: CHB Date: 3/13/08
Checked by: BLW Date: 3/14/08



OW-2169 U RISING HEAD HEAD TEST

PROJECT INFORMATION

Company: EXELON
Client: BECHTEL
Project: 6468-07-1777
Location: VICTORIA SITE
Test Well: OW-2169 U
Test Date: 1/16/07

AQUIFER DATA

Saturated Thickness: 10. ft
Anisotropy Ratio (Kz/Kr): 1.

WELL DATA (OW-2150 L)

Initial Displacement: 3.392 ft
Total Well Penetration Depth: 65. ft
Casing Radius: 0.083 ft
Static Water Column Height: 35.43 ft
Screen Length: 10. ft
Well Radius: 0.083 ft

SOLUTION

Aquifer Model: Confined
Solution Method: Butler
K = 30.87 ft/day
Le = 0.1 ft

MACTEC

Checked by: CHB Date: 3/14/08

SLUG TEST REPORT

Project Name: Exelon COL	Project Number: 6469-07-1777	Page 1 of 1	OW-2169L
Client: Bechtel	Contractor: MACTEC CHB 3/14/08	1/16/08	
Location: Victoria	MACTEC Rep:	Date: 1/17/08	

UNITS			
Length	Feet		
Time	Minutes		
Well Data			
Static Water Level	44.50 feet		
Total Well Depth	103.20 feet		
Static Water Column Height (H)	58.70 feet		
	Background	Falling Head	Rising Head
Observed Initial Displacement (H_0)	NA	~12 FEET	~17 FEET
Saturated Thickness (b)	feet		
Conductivity Anisotropy (Kv/Kh)	Assume 1 to 1		
Depth to Top of Well Screen (d)	90 feet		
Length of Well Screen (L)	10 feet		
Radius of Well Casing (rc)	0.083 feet		
Radius of Screen (rw)	0.083 feet		
Radius of Probe (req)			
Radius of Boring (rsk) Skin Effect	0.083 feet		
Probe Serial Number	106721		
Slug Data			
Length			
weight			
Diameter			
Slug Test File	Background	Falling	Rising
File Name	OW-2169L BACKGROUND	OW-2169L FALLING HEAD	OW-2169L RISING HEAD
Start Time	3:36:28 1/16	8:57:06 AM	10:30:24 AM
End Time	8:36:28 1/17	10:27:54 AM	12:00:12 PM
Notes			

Rev 0