

AP - 49

ANNUAL MONITORING REPORT

YEAR(S):
2005



Highlander Environmental Corp.

Midland, Texas

2006 MAR 24 PM 12 03

CERTIFIED MAIL

RETURN RECEIPT NO. 7004 2510 0001 1869 0996

March 16, 2006

Mr. Wayne Price
New Mexico Energy, Minerals, & Natural Resources Dept.
Oil Conservation Division, Environmental Bureau
1220 S. St. Francis Drive
Santa Fe, New Mexico 87505

Re: 2005 Annual Summary Report, Rice Operating Company, Justis Saltwater Disposal System (SWD) Well #H-2, Unit H, Section 2, T-26-S, R-37-E, Lea County, New Mexico, NMOCD CASE #1R0423-01 (AP-49)

Dear Mr. Price:

Highlander Environmental Corp. (Highlander) takes this opportunity to submit the 2005 Annual Summary Report for the Rice Operating Company (ROC) Justis SWD Well #H-2 site located in the Justis Salt Water Disposal System.

Background

On August 2, 2001, ROC submitted a Redwood Tank Replacement Closure Plan with the NMOCD. Tank replacement activities began at the Justis H-2 SWD facility on November 6, 2001 and are complete. On December 12, 2002, ROC submitted a Redwood Tank and Emergency Pit Closure Report for the Justis SWD Facility H-2. Soil samples were collected during tank replacement and sample results prompted the placement of monitor wells.

In January 2002, three (3) monitor wells were installed to evaluate groundwater in the vicinity of the H-2 injection facility. Originally, two monitor wells, MW-1 and MW-2 showed elevated chloride levels. On January 18, 2002, the NMOCD was notified of groundwater impact. After several quarterly sampling events, MW-2 continued to show elevated chloride levels. As a result, two (2) additional monitor wells were installed in February 2004.

Stage I Abatement Plan

On May 5, 2005, Daniel Sanchez with the NMOCD requested a Rule 19, Stage I

Abatement Plan for this site. On July 13, 2005 a Stage I Abatement Plan was submitted to the NMOCD. The plan was certified "Administratively Complete" on November 18, 2005. The Public Notice requirement of the Stage I Abatement Plan was satisfied in December, 2005. Prior to submission of this 2005 Annual Report, the Stage I Abatement Plan approval was received, dated February 23, 2006.

Monitor Well Sampling

All five of the site monitoring wells were sampled on March 29, June 16, September 15 and December 5, 2005 (Quarterly). Prior to sampling, the wells were gauged for static water levels. All monitor well caps were opened and water level measurements were taken from the top of the casing. The measurements were taken to the nearest 0.01 feet.

Each well was purged using a portable submersible pump. Approximately three casing volumes of water were purged from each well prior to sampling. Between wells, the pump and associated tubing were decontaminated with a laboratory grade detergent and rinsed with deionized water. Cumulative water level measurements and purge volumes for the monitor wells are included in the Tables Section of this report.

Each well was inspected for the presence of phase-separated hydrocarbons (PSH). Groundwater samples were collected as soon as possible after the groundwater returned to its static level.

Groundwater samples were collected using clean disposable polyethylene bailers and disposable line. The samples were transferred into labeled and preserved containers provided by the laboratory. All of the samples were delivered under proper chain-of-custody control to Environmental Labs of Texas, Inc., Odessa, Texas. The groundwater samples were analyzed for major anions, by methods 310.1, 9253 and 375.4, cations by method 6010B, Total Dissolved Solids (TDS) by method 160.1 and Benzene, Toluene, Ethylbenzene, and Xylene (BTEX) by method EPA 8021B. Copies of the laboratory reports are enclosed in Appendix B.

Water table maps were generated for all four quarterly sampling events, using the water level measurement data and are included as Figures 3-6. The general hydraulic gradient appears to be consistently towards the north-northwest.

Monitor Well Sample Results

Chloride concentrations from monitor wells MW-1, MW-3, MW-4 and MW-5 were all below the New Mexico Water Quality Control Commission (WQCC) standards of 250 mg/L during all four quarters of 2005. Only MW-2 exceeded the WQCC standard for all four quarters. No BTEX concentrations were detected at or above reporting limits in 2005. Cumulative analytical data is summarized in the Table Section of this report.

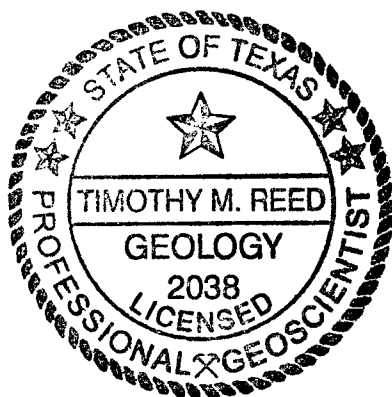
Hydrographs representing fluctuations in groundwater levels were prepared for all of the monitoring wells and are included in Appendix A. Hydrographs of the monitor wells



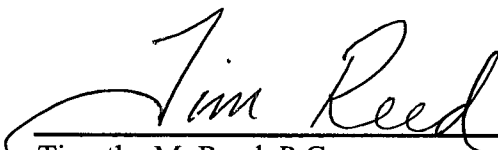
previously have shown an overall decline in water levels, however, in 2005, the water levels appeared to stabilize somewhat. Chloride levels have been consistently elevated in MW-2.

Conclusions and Recommendations

1. In 2005, there were no BTEX constituents at or above the New Mexico Water Quality Control Commission (WQCC) standards.
2. Chloride and TDS concentrations from monitor wells MW-1, MW-3, MW-4 and MW-5 were all below the New Mexico Water Quality Control Commission (WQCC) standards of 250 mg/L and 1000 mg/L, respectively, during all four quarters of 2005. Only MW-2 exceeded the WQCC standard for all four quarters.
3. Hydrographs of the monitor wells previously have shown an overall decline in water levels, however, in 2005, the water levels appeared to stabilize somewhat. The hydraulic gradient continues to trend towards the north-northwest, although the regional hydraulic gradient is towards the southeast.
4. Quarterly monitoring at this site will continue and an annual report will be prepared and submitted to the NMOCD in the first quarter of 2007.
5. Prior to submission of this 2005 Annual Report, the Stage I Abatement Plan approval was received, dated February 23, 2006. The Stage I Abatement Plan will be implemented as approved. Once completed, a Stage II Abatement Plan will be prepared and submitted to the NMOCD.



Respectfully Submitted,
HIGHLANDER ENVIRONMENTAL CORP.



Timothy M. Reed, P.G.
Vice President

cc: ROC



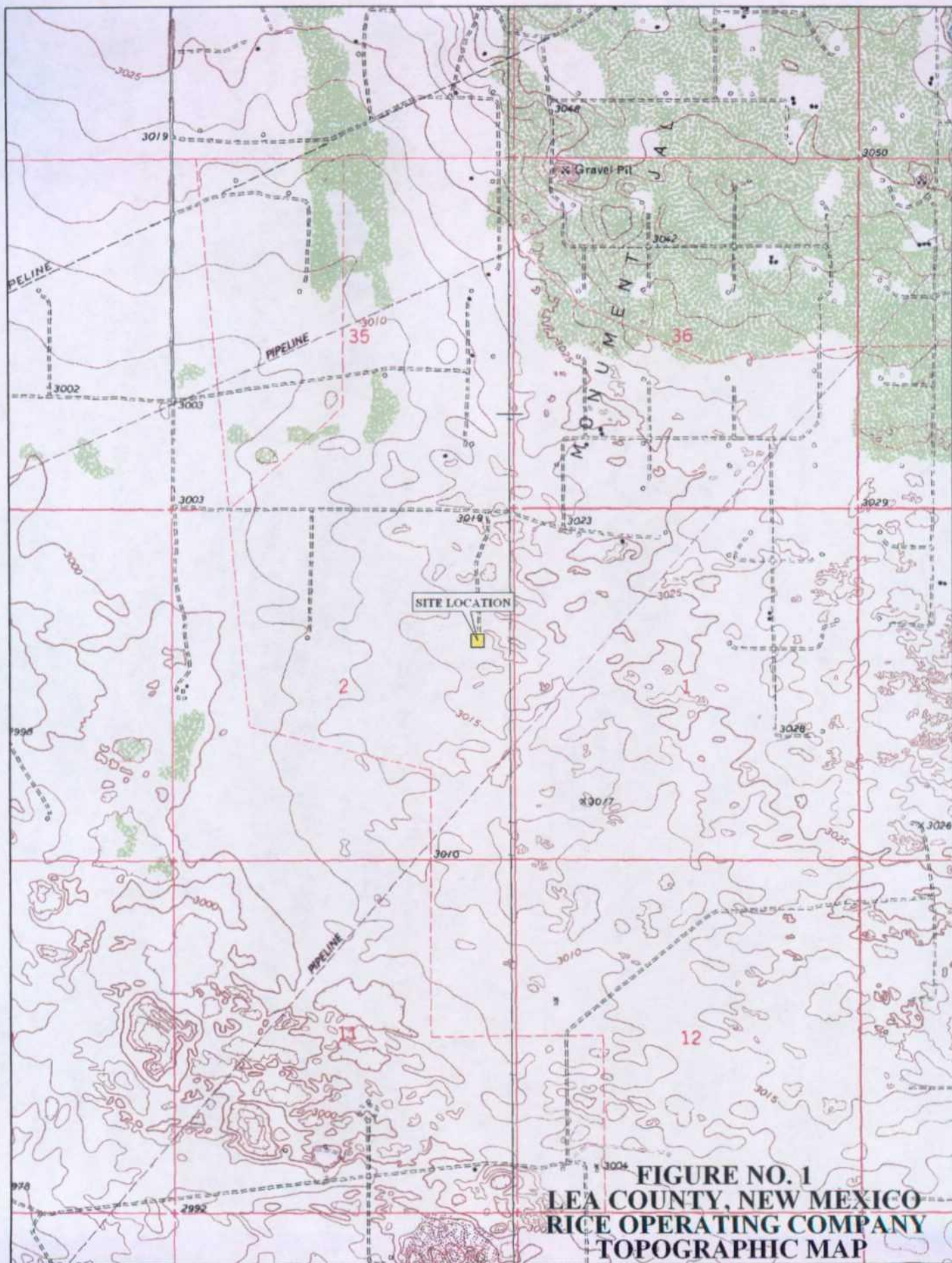
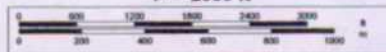


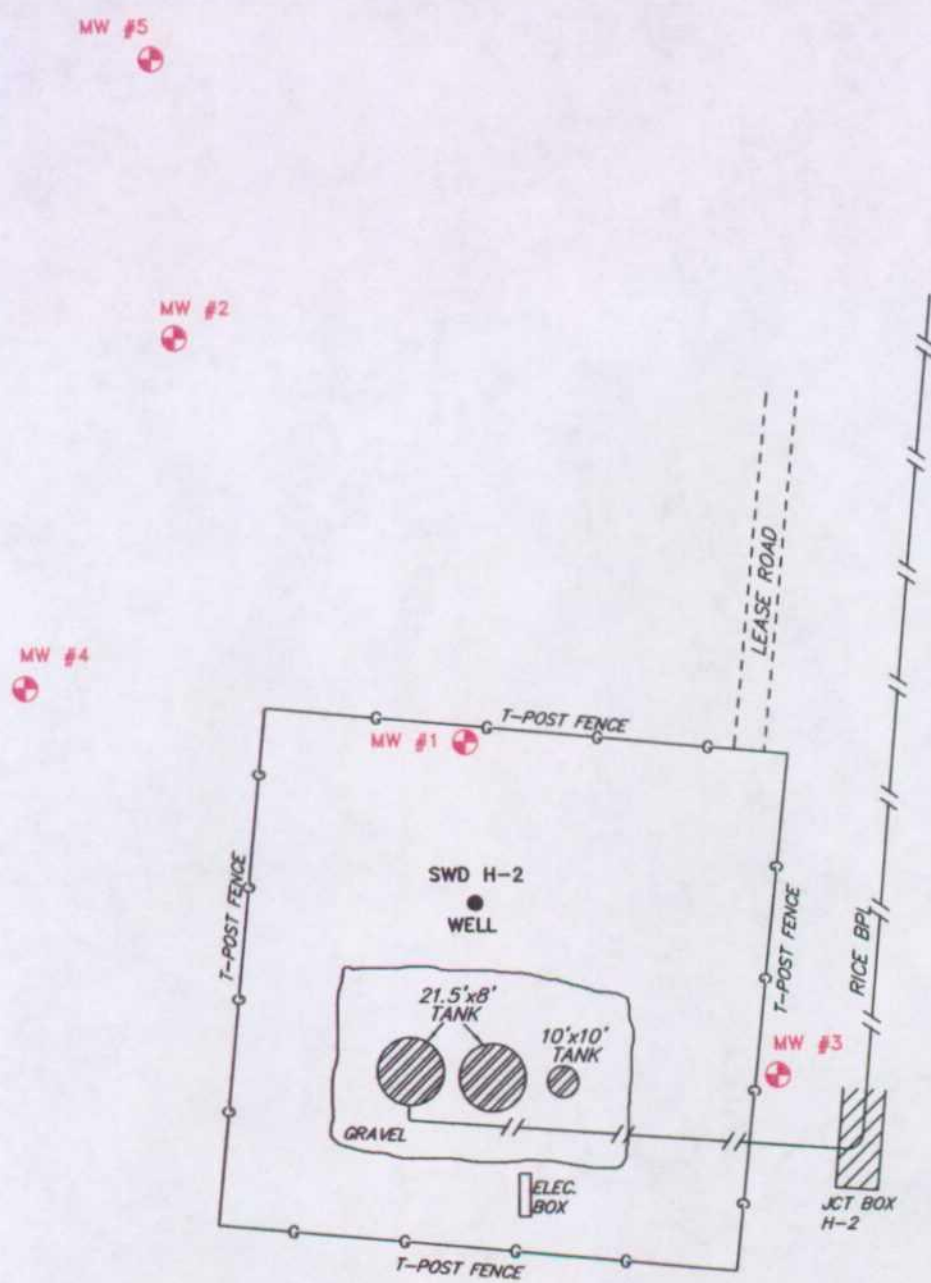
FIGURE NO. 1
LEA COUNTY, NEW MEXICO
RICE OPERATING COMPANY
TOPOGRAPHIC MAP



© 2002 DeLorme. 3-D TopoQuads®. Data copyright of content owner.
www.delorme.com

Scale 1 : 24,000
 1" = 2000 ft





WELL #	ELEVATION (PVC)
MW #1	3023.45'
MW #2	3022.89'
MW #3	3019.98'
MW #4	3023.15'
MW #5	3021.06'



MONITOR WELL LOCATION

SCALE: 1"=60'

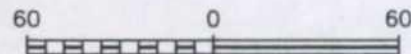


FIGURE NO. 2

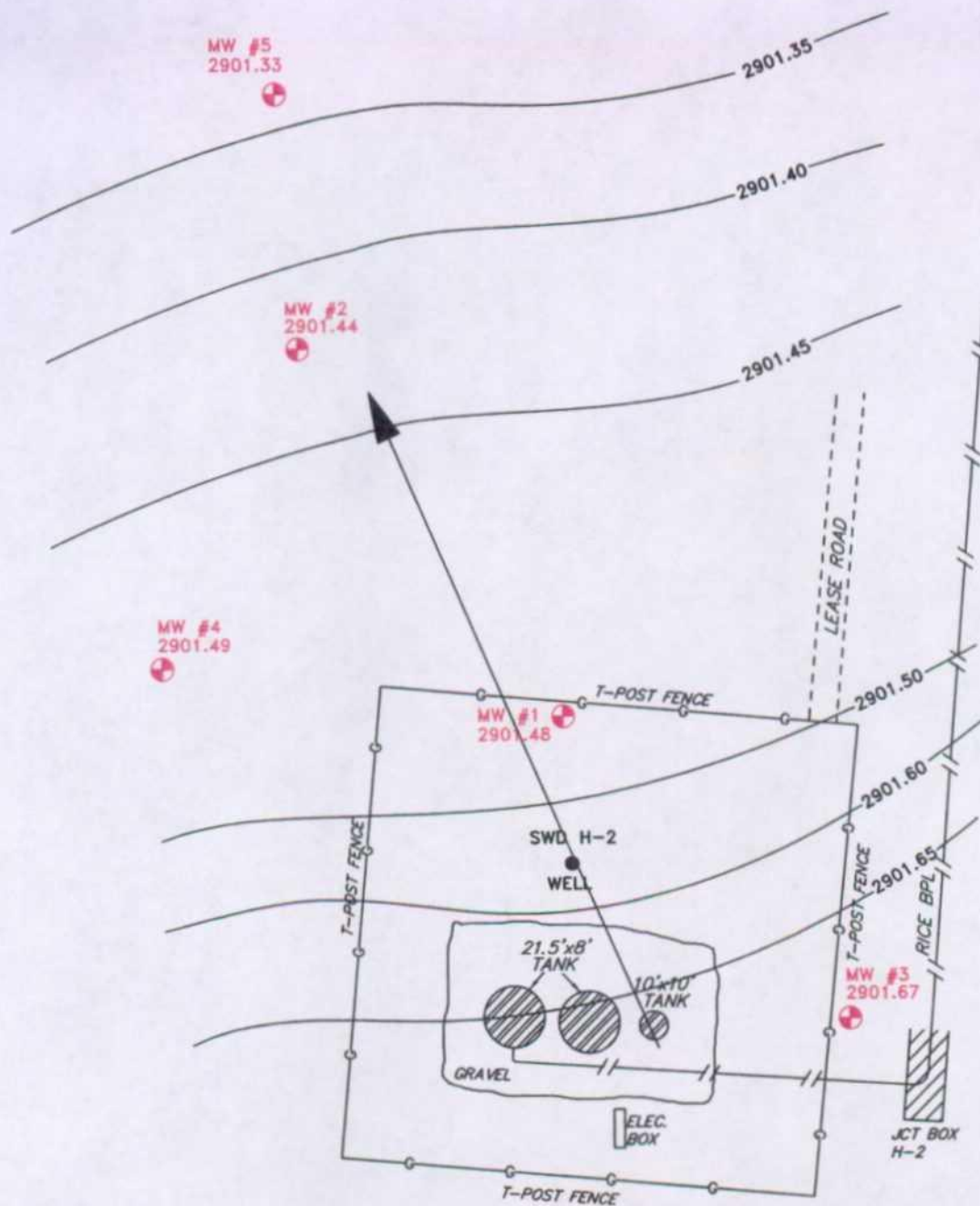
LEA COUNTY, NEW MEXICO

RICE OPERATING COMPANY

SITE MAP

HIGHLANDER ENVIRONMENTAL CORP.
MIDLAND, TEXAS

DATE:
4/30/04
DWG. BY:
JJ
FILE:
C:\RICE\SITE MAP
AUSTIN



WELL#	ELEVATION (PVC)
MW #1	3023.45'
MW #2	3022.89'
MW #3	3019.98'
MW #4	3023.15'
MW #5	3021.06'



MONITOR WELL LOCATION

SCALE: 1"=60'

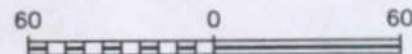
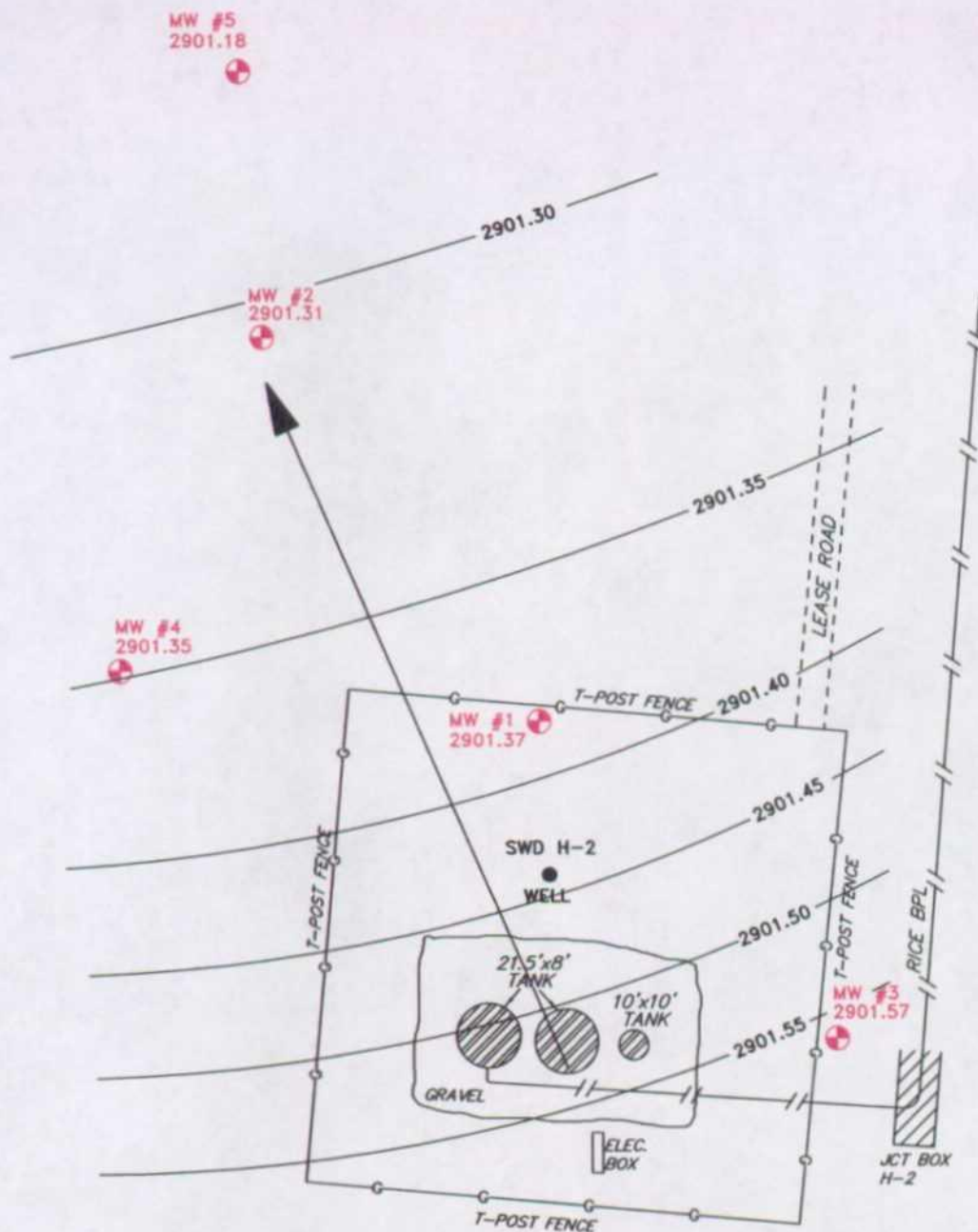


FIGURE NO. 3

LEA COUNTY, NEW MEXICO
RICE OPERATING COMPANY
3/29/05 WATER TABLE MAP
HIGHLANDER ENVIRONMENTAL CORP. MIDLAND, TEXAS

DATE:
3/3/06
DWG. BY:
JJ
FILE:
O:\RICE\1983\
WTW 3/05 A2516



WELL#	ELEVATION (PVC)
MW #1	3023.45'
MW #2	3022.89'
MW #3	3019.98'
MW #4	3023.15'
MW #5	3021.06'



MONITOR WELL LOCATION

SCALE: 1"=60'

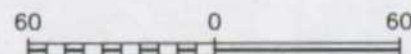


FIGURE NO. 4

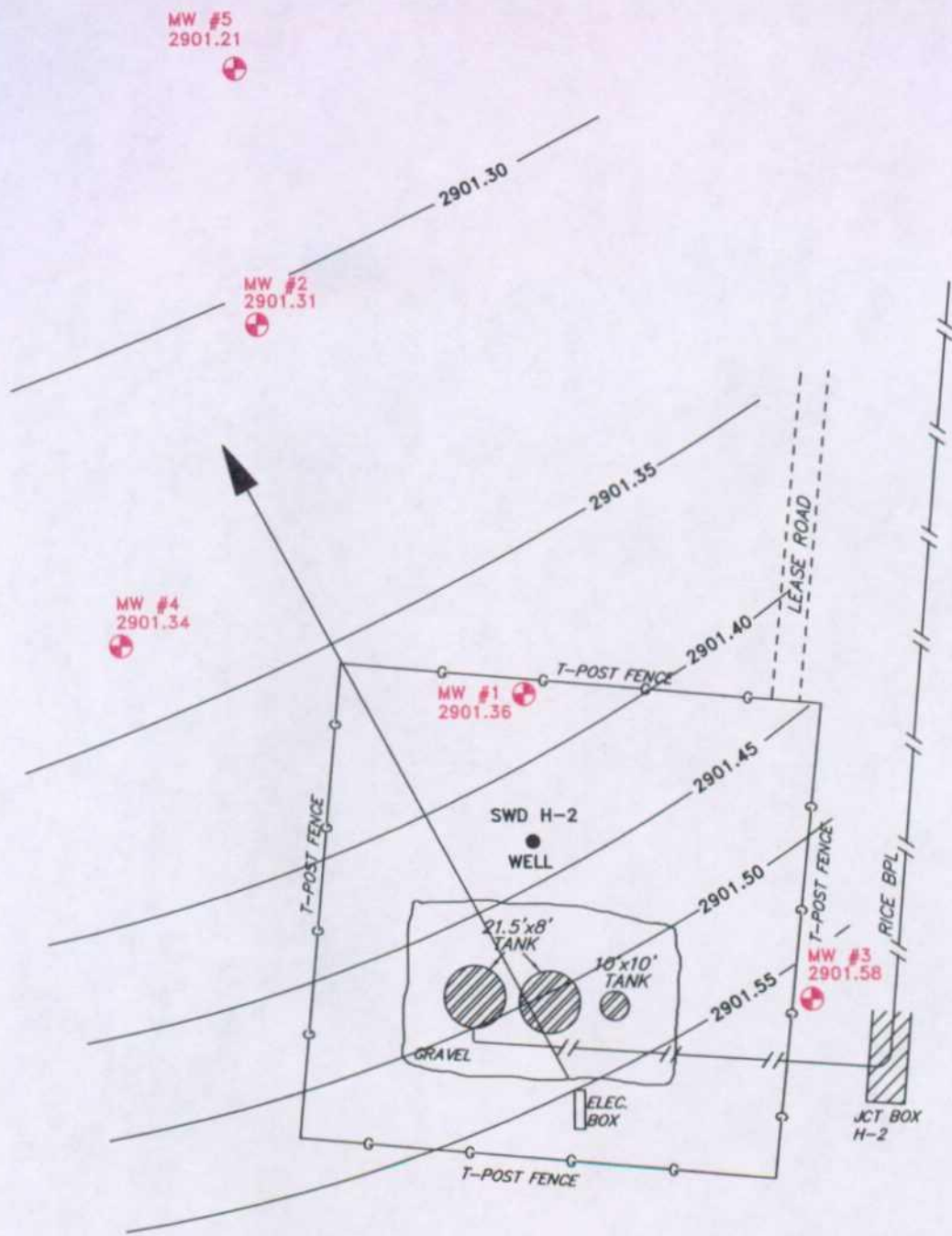
LEA COUNTY, NEW MEXICO

RICE OPERATING COMPANY


6/16/05 WATER TABLE MAP

HIGHLANDER ENVIRONMENTAL CORP.
MIDLAND, TEXAS

DATE:
3/3/06
DRG. BY:
JJ
FILE:
C:\RICE\WW 4\05
AUSTE



WELL#	ELEVATION (PVC)
MW #1	3023.45'
MW #2	3022.89'
MW #3	3019.98'
MW #4	3023.15'
MW #5	3021.06'

 MONITOR WELL LOCATION

SCALE: 1"=60'

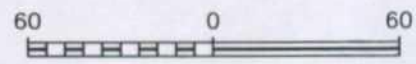
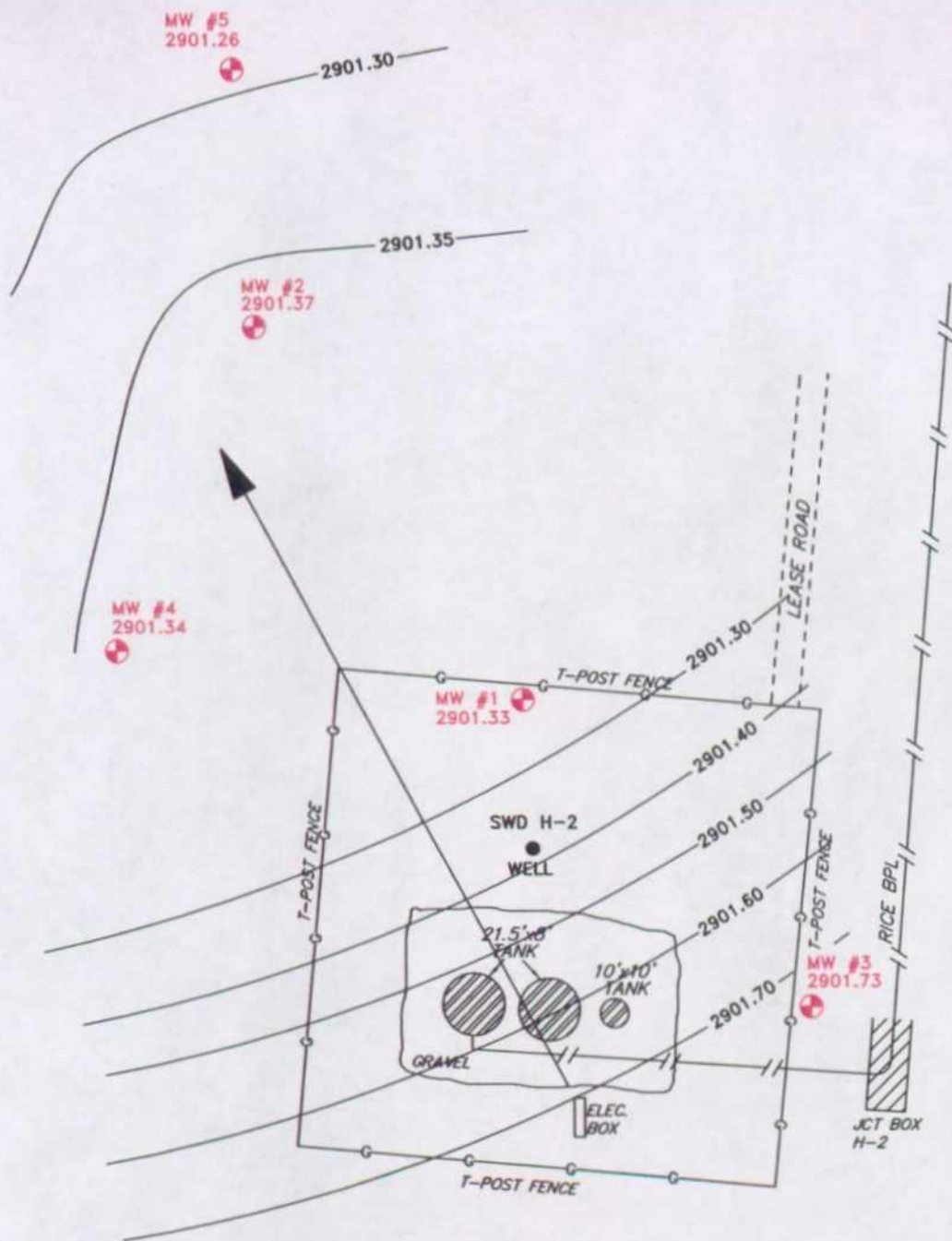


FIGURE NO. 5

LEA COUNTY, NEW MEXICO
RICE OPERATING COMPANY
9/15/05 WATER TABLE MAP
HIGHLANDER ENVIRONMENTAL CORP. MIDLAND, TEXAS

DATE:
3/6/06
DWS. BY:
JJ
FILE:
C:\VOC\WTA 9-05\JUNTS



WELL#	ELEVATION (PVC)
MW #1	3023.45'
MW #2	3022.89'
MW #3	3019.98'
MW #4	3023.15'
MW #5	3021.06'



MONITOR WELL LOCATION

SCALE: 1"=60'

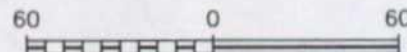


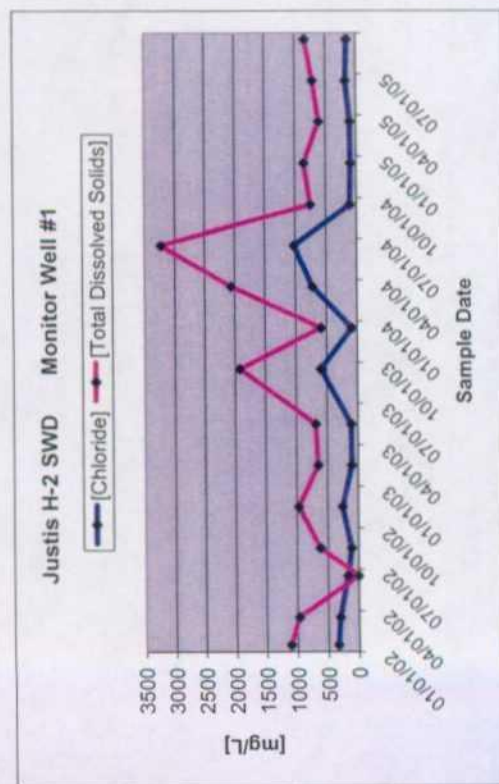
FIGURE NO. 6

DATE:
3/6/06
DWG. BY:
JJ
FILE:
C:\RICE\MTW 12-05\
AUSTIN

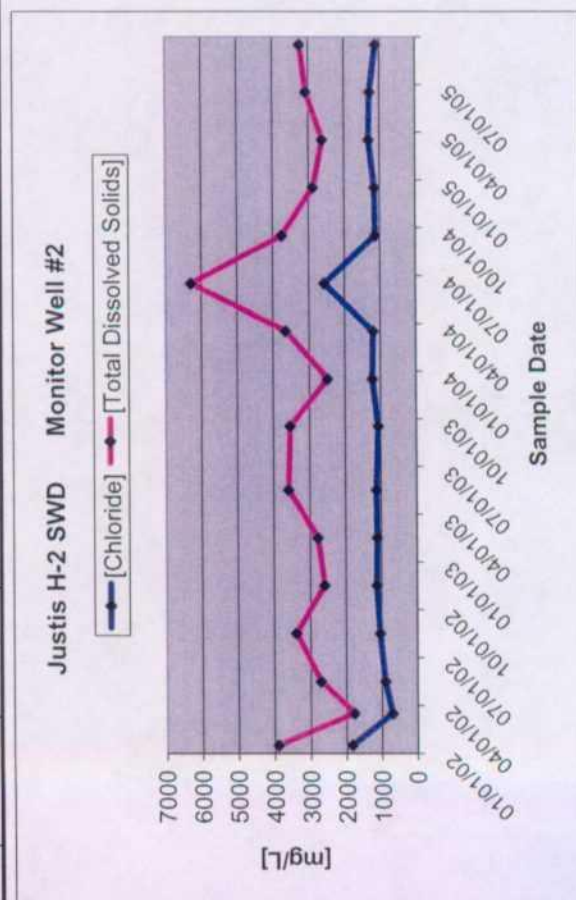
LEA COUNTY, NEW MEXICO
RICE OPERATING COMPANY
12/5/05 WATER TABLE MAP
HIGHLANDER ENVIRONMENTAL CORP.
MIDLAND, TEXAS

Justis H-2 SWD

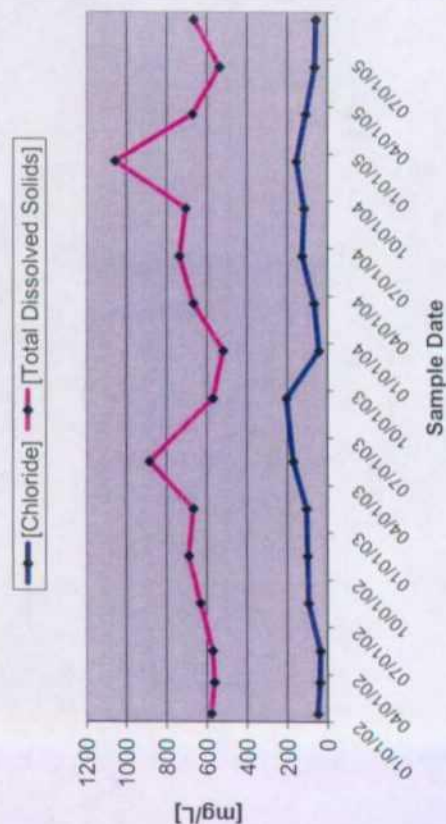
unit 'H', Sec. 2, T26S, R37E

[illegible]

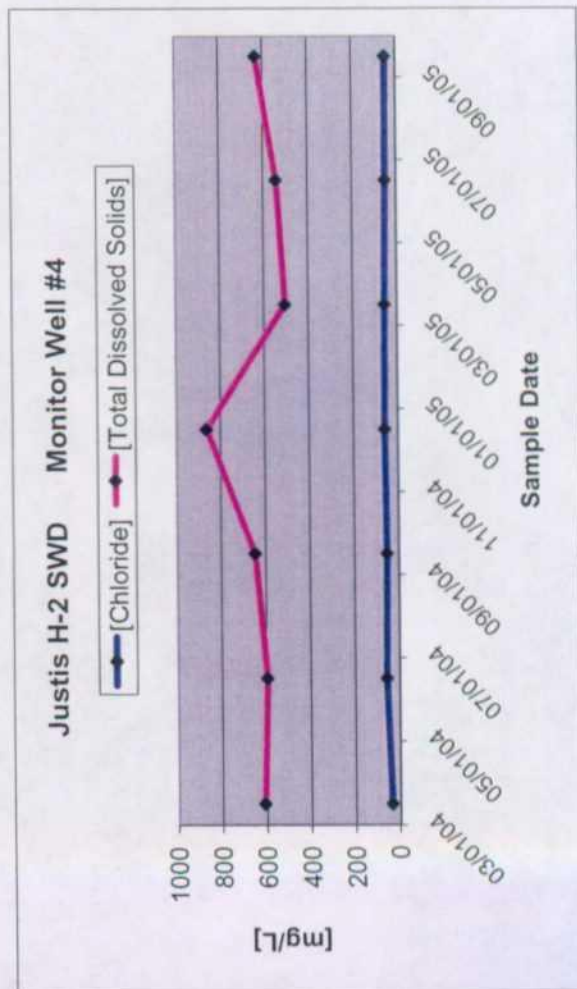
All concentrations are in mg/L

[illegible]

(gal)

[illegible]

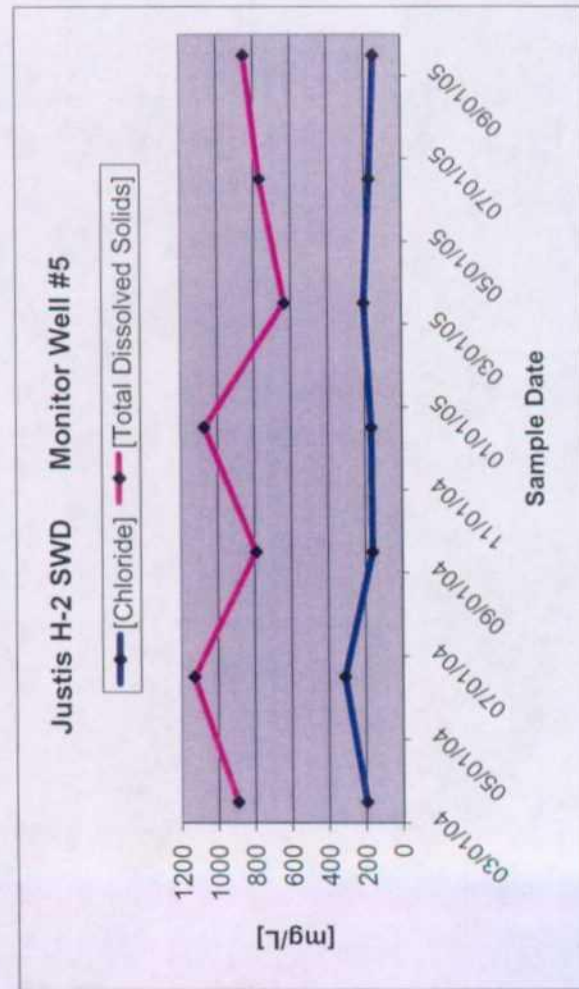
All concentrations are in mg/L

[illegible]

unit 'H', Sec. 2, T26S, R37E

RICE Operating Company
Monitor Well Data Sheet

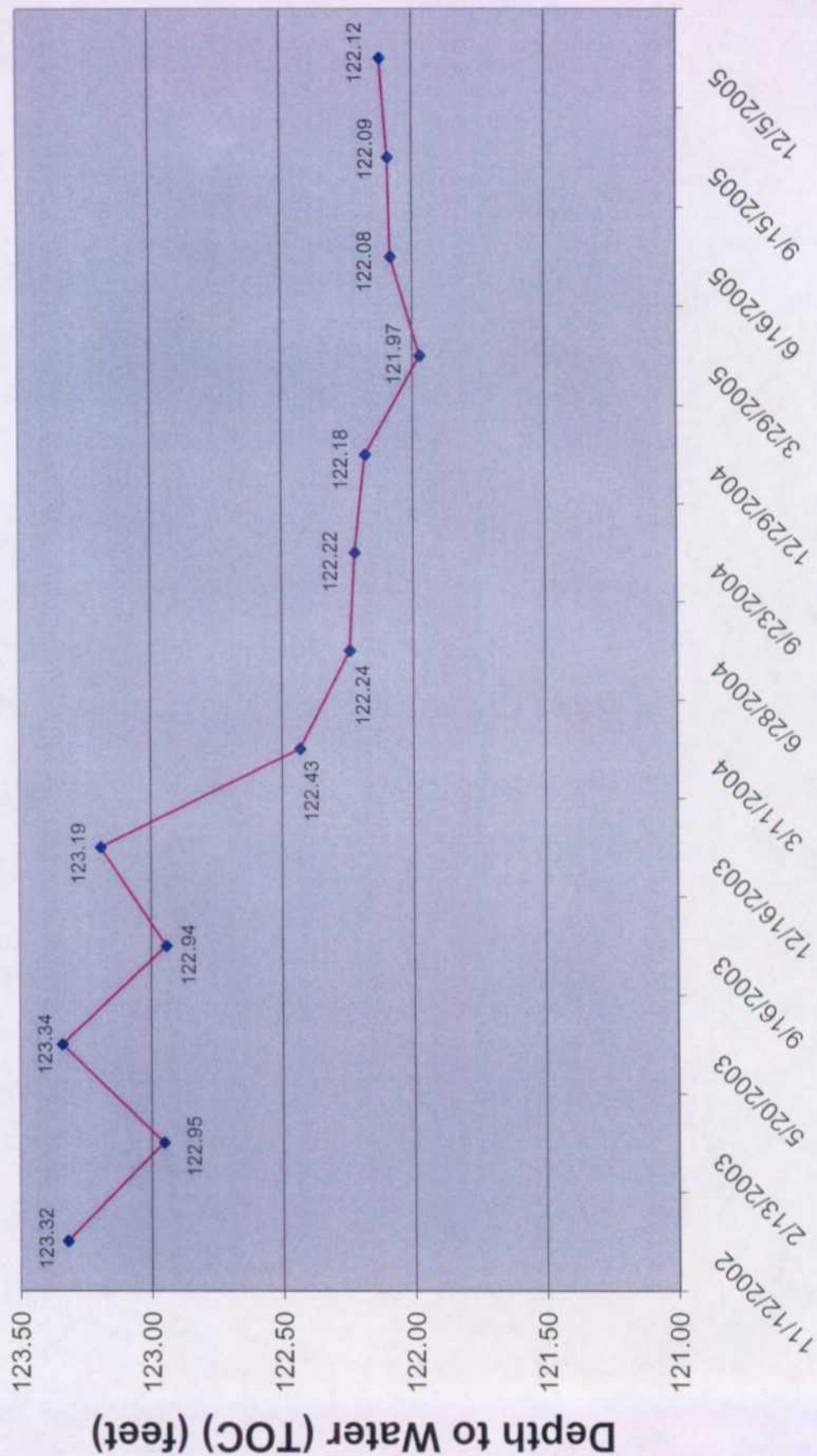
All concentrations are in mg/L

[illegible]

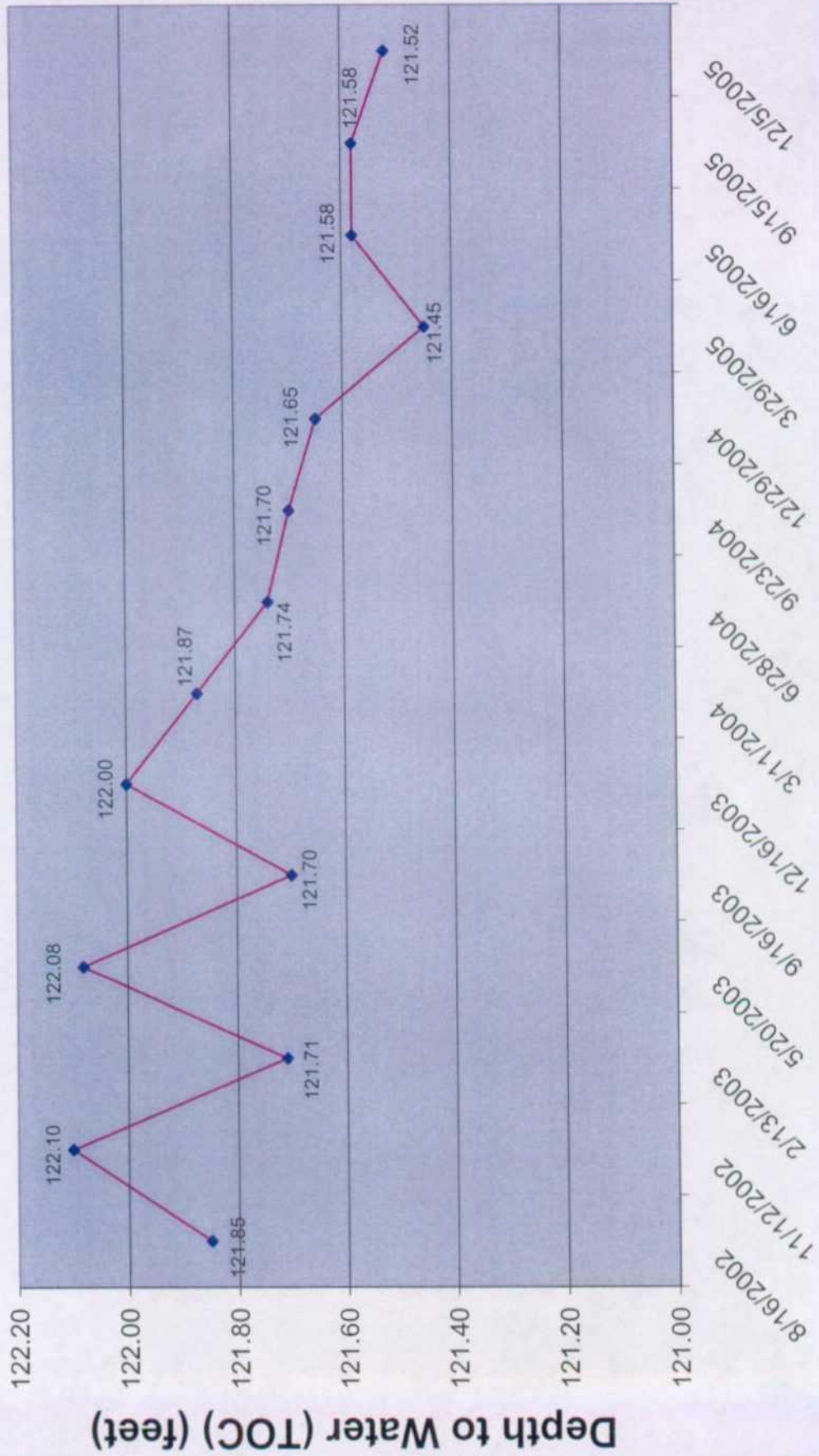
APPENDIX A

Hydrographs

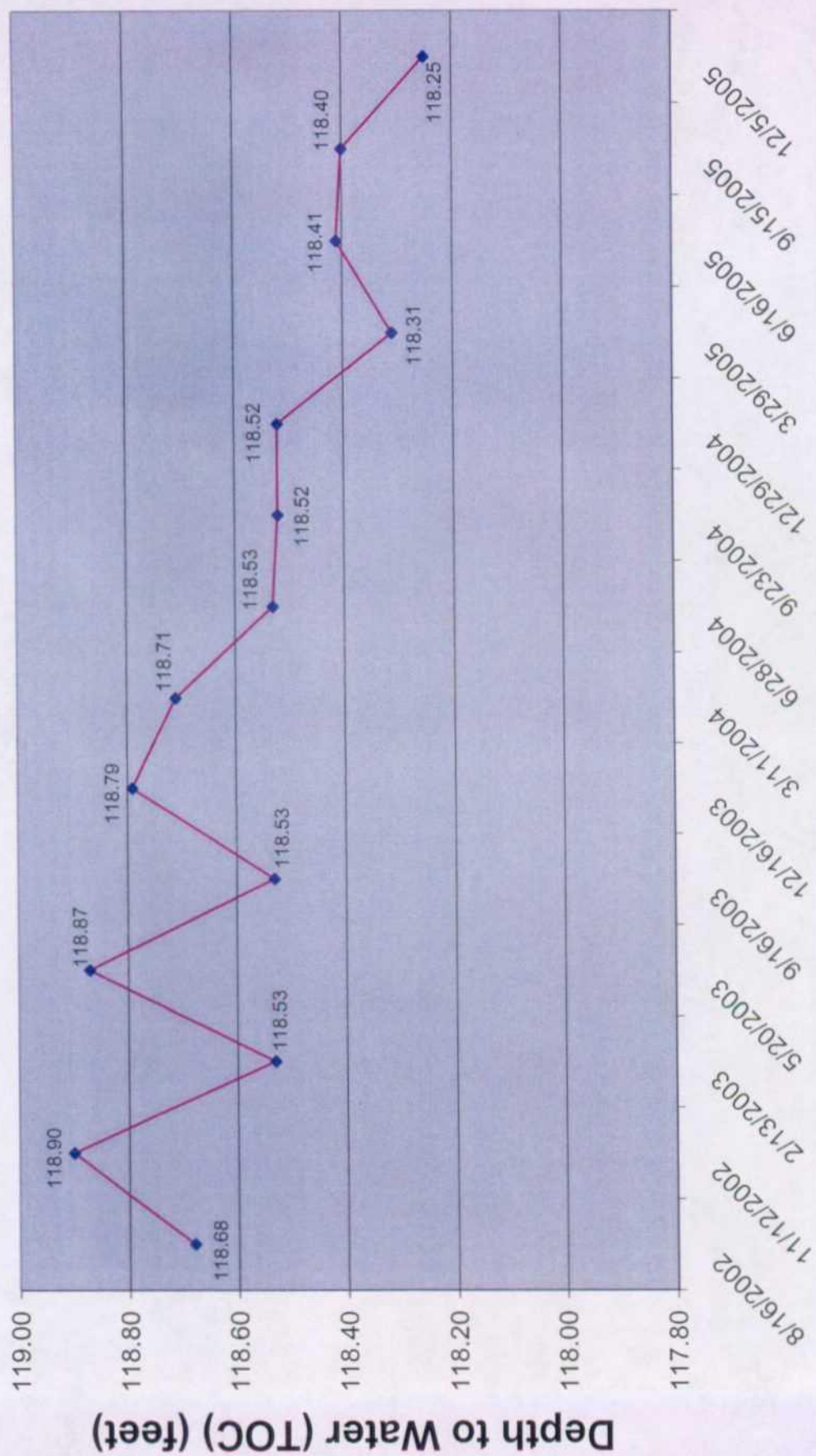
MW-1 Hydrograph



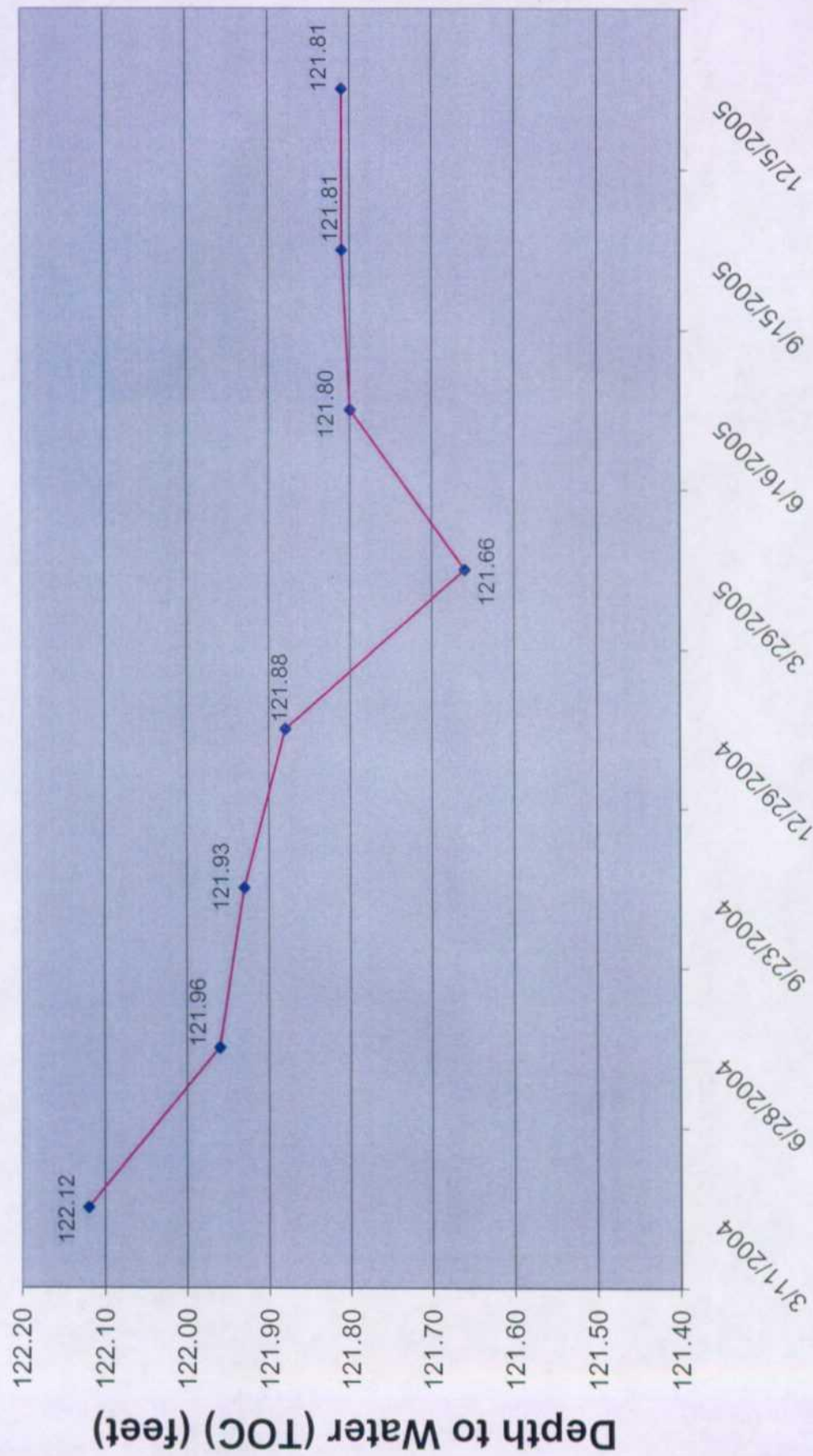
MW-2 Hydrograph



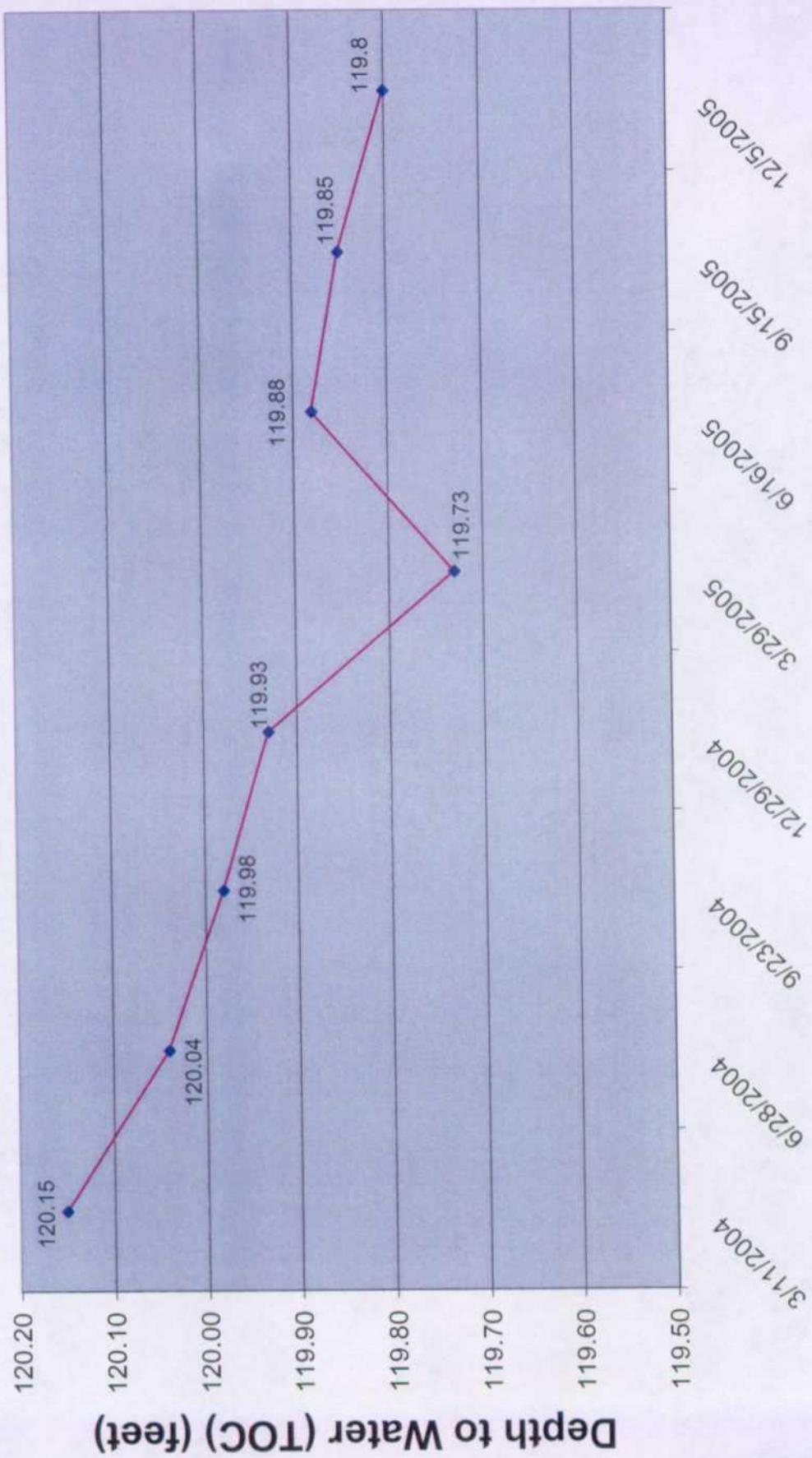
MW-3 Hydrograph



MW-4 Hydrograph



MW-5 Hydrograph



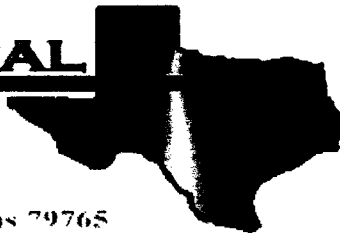
APPENDIX B

Analytical Reports

Analytical Report

4/08/2005

E **NVIRONMENTAL** **LAB OF**



12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Ike Tavarez

Highlander Environmental Corp.

1910 N. Big Spring St.

Midland, TX 79705

Project: Rice/ Justis H-2 SWD

Project Number: 1863

Location: Lea County, NM

Lab Order Number: 5C31009

Report Date: 04/08/05

Highlander Environmental Corp.
1910 N. Big Spring St.
Midland TX, 79705

Project: Rice/ Justis H-2 SWD
Project Number: 1863
Project Manager: Ike Tavaréz

Fax: (432) 682-3946

Reported:
04/08/05 11:17

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1	5C31009-01	Water	03/29/05 15:00	03/31/05 15:00
MW-2	5C31009-02	Water	03/29/05 16:00	03/31/05 15:00
MW-3	5C31009-03	Water	03/29/05 16:50	03/31/05 15:00
MW-4	5C31009-04	Water	03/29/05 13:55	03/31/05 15:00
MW-5	5C31009-05	Water	03/29/05 13:15	03/31/05 15:00

Highlander Environmental Corp.
1910 N. Big Spring St.
Midland TX, 79705

Project: Rice/ Justis H-2 SWD
Project Number: 1863
Project Manager: Ike Tavaréz

Fax: (432) 682-3946

Reported:
04/08/05 11:17

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (5C31009-01) Water									
Benzene	ND	0.00100	mg/L	1	ED50404	04/01/05	04/02/05	EPA 8021B	
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
Surrogate: <i>a,a,a</i> -Trifluorotoluene		97.5 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		89.0 %	80-120		"	"	"	"	
MW-2 (5C31009-02) Water									
Benzene	ND	0.00100	mg/L	1	ED50404	04/01/05	04/02/05	EPA 8021B	
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
Surrogate: <i>a,a,a</i> -Trifluorotoluene		96.0 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		82.0 %	80-120		"	"	"	"	
MW-3 (5C31009-03) Water									
Benzene	ND	0.00100	mg/L	1	ED50404	04/01/05	04/02/05	EPA 8021B	
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
Surrogate: <i>a,a,a</i> -Trifluorotoluene		107 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		84.0 %	80-120		"	"	"	"	
MW-4 (5C31009-04) Water									
Benzene	ND	0.00100	mg/L	1	ED50404	04/01/05	04/02/05	EPA 8021B	
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
Surrogate: <i>a,a,a</i> -Trifluorotoluene		104 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		91.5 %	80-120		"	"	"	"	

Environmental Lab of Texas

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

Page 2 of 11

Highlander Environmental Corp.
1910 N. Big Spring St.
Midland TX, 79705

Project: Rice/ Justis H-2 SWD
Project Number: 1863
Project Manager: Ike Tavaréz

Fax: (432) 682-3946

Reported:
04/08/05 11:17

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-5 (5C31009-05) Water									
Benzene	ND	0.00100	mg/L	1	ED50404	04/01/05	04/02/05	EPA 8021B	
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		104 %	80-120		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		96.0 %	80-120		"	"	"	"	

Environmental Lab of Texas

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

Page 3 of 11

Highlander Environmental Corp.
1910 N. Big Spring St.
Midland TX, 79705

Project: Rice/ Justis H-2 SWD
Project Number: 1863
Project Manager: Ike Tavarez

Fax: (432) 682-3946

Reported:
04/08/05 11:17

General Chemistry Parameters by EPA / Standard Methods
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (5C31009-01) Water									
Total Alkalinity	167	2.00	mg/L	1	ED50709	04/07/05	04/07/05	EPA 310.2M	
Chloride	98.2	2.50	"	5	ED50612	04/06/05	04/06/05	EPA 300.0	
Total Dissolved Solids	608	5.00	"	1	ED50502	04/04/05	04/05/05	EPA 160.1	
Sulfate	169	2.50	"	5	ED50612	04/06/05	04/06/05	EPA 300.0	
MW-2 (5C31009-02) Water									
Total Alkalinity	130	2.00	mg/L	1	ED50709	04/07/05	04/07/05	EPA 310.2M	
Chloride	1310	12.5	"	25	ED50612	04/06/05	04/06/05	EPA 300.0	
Total Dissolved Solids	2620	5.00	"	1	ED50502	04/04/05	04/05/05	EPA 160.1	
Sulfate	186	12.5	"	25	ED50612	04/06/05	04/06/05	EPA 300.0	
MW-3 (5C31009-03) Water									
Total Alkalinity	156	2.00	mg/L	1	ED50709	04/07/05	04/07/05	EPA 310.2M	
Chloride	108	2.50	"	5	ED50612	04/06/05	04/06/05	EPA 300.0	
Total Dissolved Solids	670	5.00	"	1	ED50502	04/04/05	04/05/05	EPA 160.1	
Sulfate	215	2.50	"	5	ED50612	04/06/05	04/06/05	EPA 300.0	
MW-4 (5C31009-04) Water									
Total Alkalinity	168	2.00	mg/L	1	ED50709	04/07/05	04/07/05	EPA 310.2M	
Chloride	55.7	2.50	"	5	ED50612	04/06/05	04/06/05	EPA 300.0	
Total Dissolved Solids	506	5.00	"	1	ED50502	04/04/05	04/05/05	EPA 160.1	
Sulfate	186	2.50	"	5	ED50612	04/06/05	04/06/05	EPA 300.0	
MW-5 (5C31009-05) Water									
Total Alkalinity	144	2.00	mg/L	1	ED50709	04/07/05	04/07/05	EPA 310.2M	
Chloride	202	5.00	"	10	ED50612	04/06/05	04/06/05	EPA 300.0	
Total Dissolved Solids	636	5.00	"	1	ED50502	04/04/05	04/05/05	EPA 160.1	
Sulfate	201	5.00	"	10	ED50612	04/06/05	04/06/05	EPA 300.0	

Environmental Lab of Texas

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

Page 4 of 11

Highlander Environmental Corp.
1910 N. Big Spring St.
Midland TX, 79705

Project: Rice/ Justis H-2 SWD
Project Number: 1863
Project Manager: Ike Tavaréz

Fax: (432) 682-3946

Reported:
04/08/05 11:17

Total Metals by EPA / Standard Methods
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (5C31009-01) Water									
Calcium	71.8	0.100	mg/L	10	ED50802	04/06/05	04/07/05	EPA 6010B	
Magnesium	38.2	0.0100	"	"	"	"	"	"	
Potassium	8.18	0.250	"	5	"	"	"	"	
Sodium	91.8	0.100	"	10	"	"	"	"	
MW-2 (5C31009-02) Water									
Calcium	321	1.00	mg/L	100	ED50802	04/06/05	04/07/05	EPA 6010B	
Magnesium	187	0.100	"	"	"	"	"	"	
Potassium	21.5	0.500	"	10	"	"	"	"	
Sodium	195	1.00	"	100	"	"	"	"	
MW-3 (5C31009-03) Water									
Calcium	77.0	0.100	mg/L	10	ED50802	04/06/05	04/07/05	EPA 6010B	
Magnesium	35.7	0.0100	"	"	"	"	"	"	
Potassium	10.9	0.500	"	"	"	"	"	"	
Sodium	103	1.00	"	100	"	"	"	"	
MW-4 (5C31009-04) Water									
Calcium	53.6	0.100	mg/L	10	ED50802	04/06/05	04/07/05	EPA 6010B	
Magnesium	28.8	0.0100	"	"	"	"	"	"	
Potassium	8.83	0.250	"	5	"	"	"	"	
Sodium	90.4	0.100	"	10	"	"	"	"	
MW-5 (5C31009-05) Water									
Calcium	86.6	0.100	mg/L	10	ED50802	04/06/05	04/07/05	EPA 6010B	
Magnesium	42.9	0.0100	"	"	"	"	"	"	
Potassium	10.0	0.250	"	5	"	"	"	"	
Sodium	110	0.100	"	10	"	"	"	"	

Environmental Lab of Texas

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

Page 5 of 11

Highlander Environmental Corp.
1910 N. Big Spring St.
Midland TX, 79705

Project: Rice/ Justis H-2 SWD
Project Number: 1863
Project Manager: Ike Tavaréz

Fax: (432) 682-3946

Reported:
04/08/05 11:17

Organics by GC - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	--------------------	-------	----------------	------------------	------	----------------	-----	--------------	-------

Batch ED50404 - EPA 5030C (GC)

Blank (ED50404-BLK1)

Prepared & Analyzed: 04/01/05

Benzene	ND	0.00100	mg/L							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00100	"							
Xylene (o)	ND	0.00100	"							
Surrogate: a,a,a-Trifluorotoluene	21.6		ug/l	20.0		108	80-120			
Surrogate: 4-Bromofluorobenzene	18.5		"	20.0		92.5	80-120			

LCS (ED50404-BS1)

Prepared & Analyzed: 04/01/05

Benzene	96.6		ug/l	100		96.6	80-120			
Toluene	96.1		"	100		96.1	80-120			
Ethylbenzene	95.2		"	100		95.2	80-120			
Xylene (p/m)	195		"	200		97.5	80-120			
Xylene (o)	93.5		"	100		93.5	80-120			
Surrogate: a,a,a-Trifluorotoluene	21.5		"	20.0		108	80-120			
Surrogate: 4-Bromofluorobenzene	17.5		"	20.0		87.5	80-120			

Calibration Check (ED50404-CCV1)

Prepared: 04/01/05 Analyzed: 04/02/05

Benzene	95.2		ug/l	100		95.2	80-120			
Toluene	95.1		"	100		95.1	80-120			
Ethylbenzene	96.9		"	100		96.9	80-120			
Xylene (p/m)	193		"	200		96.5	80-120			
Xylene (o)	95.6		"	100		95.6	80-120			
Surrogate: a,a,a-Trifluorotoluene	21.7		"	20.0		108	80-120			
Surrogate: 4-Bromofluorobenzene	20.7		"	20.0		104	80-120			

Matrix Spike (ED50404-MS1)

Source: 5C28003-07

Prepared: 04/01/05 Analyzed: 04/04/05

Benzene	93.8		ug/l	100	ND	93.8	80-120			
Toluene	95.1		"	100	ND	95.1	80-120			
Ethylbenzene	102		"	100	ND	102	80-120			
Xylene (p/m)	204		"	200	ND	102	80-120			
Xylene (o)	99.7		"	100	ND	99.7	80-120			
Surrogate: a,a,a-Trifluorotoluene	23.9		"	20.0		120	80-120			
Surrogate: 4-Bromofluorobenzene	19.9		"	20.0		99.5	80-120			

Environmental Lab of Texas

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

Page 6 of 11

Highlander Environmental Corp.
1910 N. Big Spring St.
Midland TX, 79705

Project: Rice/ Justis H-2 SWD
Project Number: 1863
Project Manager: Ike Tavaréz

Fax: (432) 682-3946

Reported:
04/08/05 11:17

Organics by GC - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	--------------------	-------	----------------	------------------	------	----------------	-----	--------------	-------

Batch ED50404 - EPA 5030C (GC)

Matrix Spike Dup (ED50404-MSD1)

Source: 5C28003-07

Prepared: 04/01/05 Analyzed: 04/04/05

Benzene	91.9		ug/l	100	ND	91.9	80-120	2.05	20	
Toluene	93.5		"	100	ND	93.5	80-120	1.70	20	
Ethylbenzene	93.0		"	100	ND	93.0	80-120	9.23	20	
Xylene (p/m)	189		"	200	ND	94.5	80-120	7.63	20	
Xylene (o)	93.6		"	100	ND	93.6	80-120	6.31	20	
Surrogate: a,a,a-Trifluorotoluene	22.0		"	20.0		110	80-120			
Surrogate: 4-Bromofluorobenzene	16.3		"	20.0		81.5	80-120			

Environmental Lab of Texas

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

Page 7 of 11

Highlander Environmental Corp.
1910 N. Big Spring St.
Midland TX, 79705

Project: Rice/ Justis H-2 SWD
Project Number: 1863
Project Manager: Ike Tavaréz

Fax: (432) 682-3946

Reported:
04/08/05 11:17

General Chemistry Parameters by EPA / Standard Methods - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	--------------------	-------	----------------	------------------	------	----------------	-----	--------------	-------

Batch ED50502 - General Preparation (WetChem)

Blank (ED50502-BLK1)

Prepared: 04/04/05 Analyzed: 04/05/05

Total Dissolved Solids ND 5.00 mg/L

Duplicate (ED50502-DUP1)

Source: 5C31008-01

Prepared: 04/04/05 Analyzed: 04/05/05

Total Dissolved Solids 1970 5.00 mg/L 2020 2.51 20

Batch ED50612 - General Preparation (WetChem)

Blank (ED50612-BLK1)

Prepared & Analyzed: 04/06/05

Chloride ND 0.500 mg/L

Sulfate ND 0.500 "

LCS (ED50612-BS1)

Prepared & Analyzed: 04/06/05

Chloride 10.9 mg/L 10.0 109 80-120

Sulfate 9.46 " 10.0 94.6 80-120

Calibration Check (ED50612-CCV1)

Prepared & Analyzed: 04/06/05

Chloride 10.6 mg/L 10.0 106 80-120

Sulfate 9.55 " 10.0 95.5 80-120

Duplicate (ED50612-DUP1)

Source: 5C31008-01

Prepared & Analyzed: 04/06/05

Chloride 862 12.5 mg/L 873 1.27 20

Sulfate 493 12.5 " 502 1.81 20

Batch ED50709 - General Preparation (WetChem)

Blank (ED50709-BLK1)

Prepared & Analyzed: 04/07/05

Total Alkalinity ND 2.00 mg/L

Environmental Lab of Texas

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

Page 8 of 11

Highlander Environmental Corp.
1910 N. Big Spring St.
Midland TX, 79705

Project: Rice/ Justis H-2 SWD
Project Number: 1863
Project Manager: Ike Tavaréz

Fax: (432) 682-3946

Reported:
04/08/05 11:17

General Chemistry Parameters by EPA / Standard Methods - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	--------------------	-------	----------------	------------------	------	----------------	-----	--------------	-------

Batch ED50709 - General Preparation (WetChem)

Calibration Check (ED50709-CCV1)

Prepared & Analyzed: 04/07/05

Bicarbonate Alkalinity	231		mg/L	200		116	80-120			
------------------------	-----	--	------	-----	--	-----	--------	--	--	--

Duplicate (ED50709-DUP1)

Source: 5C30009-01

Prepared & Analyzed: 04/07/05

Total Alkalinity	186	2.00	mg/L		194			4.21	20	
------------------	-----	------	------	--	-----	--	--	------	----	--

Environmental Lab of Texas

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

Page 9 of 11

Highlander Environmental Corp.
1910 N. Big Spring St.
Midland TX, 79705

Project: Rice/ Justis H-2 SWD
Project Number: 1863
Project Manager: Ike Tavaréz

Fax: (432) 682-3946

Reported:
04/08/05 11:17

Total Metals by EPA / Standard Methods - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	--------------------	-------	----------------	------------------	------	----------------	-----	--------------	-------

Batch ED50802 - 6010B/No Digestion

Blank (ED50802-BLK1)

Prepared: 04/06/05 Analyzed: 04/07/05

Calcium	ND	0.0100	mg/L							
Magnesium	ND	0.00100	"							
Potassium	ND	0.0500	"							
Sodium	ND	0.0100	"							

Calibration Check (ED50802-CCV1)

Prepared: 04/06/05 Analyzed: 04/07/05

Calcium	1.96		mg/L	2.00		98.0	85-115			
Magnesium	1.99		"	2.00		99.5	85-115			
Potassium	1.71		"	2.00		85.5	85-115			
Sodium	1.83		"	2.00		91.5	85-115			

Duplicate (ED50802-DUP1)

Source: 5C31008-01

Prepared: 04/06/05 Analyzed: 04/07/05

Calcium	214	1.00	mg/L		225			5.01	20	
Magnesium	74.7	0.0200	"		77.8			4.07	20	
Potassium	11.4	0.500	"		13.2			14.6	20	
Sodium	376	1.00	"		421			11.3	20	

Environmental Lab of Texas

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

Page 10 of 11

Highlander Environmental Corp.
1910 N. Big Spring St.
Midland TX, 79705

Project: Rice/ Justis H-2 SWD
Project Number: 1863
Project Manager: Ike Tavaraz

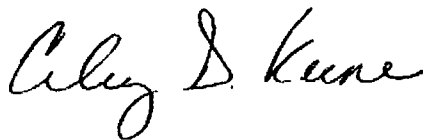
Fax: (432) 682-3946

Reported:
04/08/05 11:17

Notes and Definitions

DET Analyte DETECTED
ND Analyte NOT DETECTED at or above the reporting limit
NR Not Reported
dry Sample results reported on a dry weight basis
RPD Relative Percent Difference
LCS Laboratory Control Spike
MS Matrix Spike
Dup Duplicate

Report Approved By: _____



Date: _____

4/8/2005

Raland K. Tuttle, Lab Manager
Caley D. Keene, Lab Director, Org. Tech Director
Peggy Allen, QA Officer

Jeanne Mc Murrey, Inorg. Tech Director
James L. Hawkins, Chemist/Geologist
Sandra Sanchez, Lab Tech.

This material is intended only for the use of the individual (s) or entity to whom it is addressed, and may contain information that is privileged and confidential.

If you have received this material in error, please notify us immediately at 432-563-1800.

Environmental Lab of Texas

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

Page 11 of 11

PAGE: / OFF:

HIGHLANDER ENVIRONMENTAL CORP.

1910 N. Big Spring St.
Midland, Texas 79705

(432) 682-4559

Fax (432) 682-3946

CLIENT NAME: Rice

SITE MANAGER: Ike Tavares

Ike Taver

PROJECT NO.: 10/2

PROJECT NAME: Rice/Justis H-2 SWD

Leq county, NP

[illegible]

Phase III out all copies - Laboratory retains yellow copy - Return original copy to Highlander Environmental Corp. - Project Manager retains pink copy Accounting receives Gold copy.

Environmental Lab of Texas
Variance / Corrective Action Report – Sample Log-In

Client: Highlander Env.

Date/Time: 3/21/05 3:10

Order #: 5031009

Initials: CK

Sample Receipt Checklist

Temperature of container/cooler?	Yes	No	1.5	C
Shipping container/cooler in good condition?	<input checked="" type="checkbox"/>	No		
Custody Seals intact on shipping container/cooler?	<input checked="" type="checkbox"/>	No	Not present	
Custody Seals intact on sample bottles?	<input checked="" type="checkbox"/>	No	Not present	
Chain of custody present?	<input checked="" type="checkbox"/>	No		
Sample Instructions complete on Chain of Custody?	<input checked="" type="checkbox"/>	No		
Chain of Custody signed when relinquished and received?	<input checked="" type="checkbox"/>	No		
Chain of custody agrees with sample label(s)	<input checked="" type="checkbox"/>	No		
Container labels legible and intact?	<input checked="" type="checkbox"/>	No		
Sample Matrix and properties same as on chain of custody?	<input checked="" type="checkbox"/>	No		
Samples in proper container/bottle?	<input checked="" type="checkbox"/>	No		
Samples properly preserved?	<input checked="" type="checkbox"/>	No		
Sample bottles intact?	<input checked="" type="checkbox"/>	No		
Preservations documented on Chain of Custody?	<input checked="" type="checkbox"/>	No		
Containers documented on Chain of Custody?	<input checked="" type="checkbox"/>	No		
Sufficient sample amount for indicated test?	<input checked="" type="checkbox"/>	No		
All samples received within sufficient hold time?	<input checked="" type="checkbox"/>	No		
VOC samples have zero headspace?	<input checked="" type="checkbox"/>	No	Not Applicable	

Other observations:

Variance Documentation:

Contact Person: _____ Date/Time: _____ Contacted by: _____

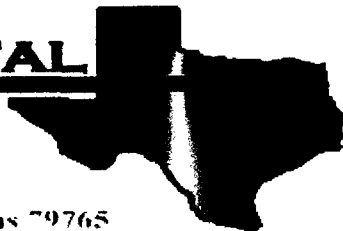
Regarding:

Corrective Action Taken:

Analytical Report

6/28/2005

E NVIRONMENTAL **LAB OF**



12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Tim Reed

Highlander Environmental Corp.

1910 N. Big Spring St.

Midland, TX 79705

Project: Rice/ Justis H-2 SWD

Project Number: 1863

Location: None Given

Lab Order Number: 5F20007

Report Date: 06/28/05

Highlander Environmental Corp.
1910 N. Big Spring St.
Midland TX, 79705

Project: Rice/ Justis H-2 SWD
Project Number: 1863
Project Manager: Tim Reed

Fax: (432) 682-3946

Reported:
06/28/05 10:39

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1	5F20007-01	Water	06/16/05 13:45	06/17/05 18:00
MW-2	5F20007-02	Water	06/16/05 12:05	06/17/05 18:00
MW-3	5F20007-03	Water	06/16/05 10:50	06/17/05 18:00
MW-4	5F20007-04	Water	06/16/05 12:45	06/17/05 18:00
MW-5	5F20007-05	Water	06/16/05 11:30	06/17/05 18:00

Highlander Environmental Corp.
1910 N. Big Spring St.
Midland TX, 79705

Project: Rice/ Justis H-2 SWD
Project Number: 1863
Project Manager: Tim Reed

Fax: (432) 682-3946

Reported:
06/28/05 10:39

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (5F20007-01) Water									
Benzene	ND	0.00100	mg/L	1	EF51702	06/21/05	06/21/05	EPA 8021B	
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
Surrogate: <i>a,a,a</i> -Trifluorotoluene		99.0 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		80.5 %	80-120		"	"	"	"	
MW-2 (5F20007-02) Water									
Benzene	ND	0.00100	mg/L	1	EF51702	06/21/05	06/21/05	EPA 8021B	
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
Surrogate: <i>a,a,a</i> -Trifluorotoluene		102 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		93.0 %	80-120		"	"	"	"	
MW-3 (5F20007-03) Water									
Benzene	ND	0.00100	mg/L	1	EF51702	06/21/05	06/21/05	EPA 8021B	
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
Surrogate: <i>a,a,a</i> -Trifluorotoluene		115 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		88.0 %	80-120		"	"	"	"	
MW-4 (5F20007-04) Water									
Benzene	ND	0.00100	mg/L	1	EF51702	06/21/05	06/21/05	EPA 8021B	
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
Surrogate: <i>a,a,a</i> -Trifluorotoluene		112 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		81.0 %	80-120		"	"	"	"	

Environmental Lab of Texas

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

Page 2 of 11

Highlander Environmental Corp.
1910 N. Big Spring St.
Midland TX, 79705

Project: Rice/ Justis H-2 SWD
Project Number: 1863
Project Manager: Tim Reed

Fax: (432) 682-3946

Reported:
06/28/05 10:39

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-5 (5F20007-05) Water									
Benzene	ND	0.00100	mg/L	1	EF51702	06/21/05	06/21/05	EPA 8021B	
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		108 %	80-120		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		82.5 %	80-120		"	"	"	"	

Environmental Lab of Texas

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

Page 3 of 11

Highlander Environmental Corp.
1910 N. Big Spring St.
Midland TX, 79705

Project: Rice/ Justis H-2 SWD
Project Number: 1863
Project Manager: Tim Reed

Fax: (432) 682-3946

Reported:
06/28/05 10:39

General Chemistry Parameters by EPA / Standard Methods
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (5F20007-01) Water									
Total Alkalinity	168	2.00	mg/L	1	EF52213	06/22/05	06/22/05	EPA 310.2M	
Chloride	173	5.00	"	10	EF52209	06/20/05	06/20/05	EPA 300.0	
Total Dissolved Solids	711	5.00	"	1	EF52212	06/22/05	06/23/05	EPA 160.1	
Sulfate	166	5.00	"	10	EF52209	06/20/05	06/20/05	EPA 300.0	
MW-2 (5F20007-02) Water									
Total Alkalinity	140	2.00	mg/L	1	EF52213	06/22/05	06/22/05	EPA 310.2M	
Chloride	1280	25.0	"	50	EF52209	06/20/05	06/20/05	EPA 300.0	
Total Dissolved Solids	3080	5.00	"	1	EF52212	06/22/05	06/23/05	EPA 160.1	
Sulfate	221	25.0	"	50	EF52209	06/20/05	06/20/05	EPA 300.0	
MW-3 (5F20007-03) Water									
Total Alkalinity	162	2.00	mg/L	1	EF52213	06/22/05	06/22/05	EPA 310.2M	
Chloride	62.4	5.00	"	10	EF52209	06/20/05	06/20/05	EPA 300.0	
Total Dissolved Solids	535	5.00	"	1	EF52212	06/22/05	06/23/05	EPA 160.1	
Sulfate	180	5.00	"	10	EF52209	06/20/05	06/20/05	EPA 300.0	
MW-4 (5F20007-04) Water									
Total Alkalinity	173	2.00	mg/L	1	EF52213	06/22/05	06/22/05	EPA 310.2M	
Chloride	49.8	5.00	"	10	EF52209	06/20/05	06/20/05	EPA 300.0	
Total Dissolved Solids	543	5.00	"	1	EF52212	06/22/05	06/23/05	EPA 160.1	
Sulfate	179	5.00	"	10	EF52209	06/20/05	06/20/05	EPA 300.0	
MW-5 (5F20007-05) Water									
Total Alkalinity	150	2.00	mg/L	1	EF52213	06/22/05	06/22/05	EPA 310.2M	
Chloride	172	5.00	"	10	EF52209	06/20/05	06/20/05	EPA 300.0	
Total Dissolved Solids	767	5.00	"	1	EF52212	06/22/05	06/23/05	EPA 160.1	
Sulfate	187	5.00	"	10	EF52209	06/20/05	06/20/05	EPA 300.0	

Environmental Lab of Texas

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

Page 4 of 11

Highlander Environmental Corp.
1910 N. Big Spring St.
Midland TX, 79705

Project: Rice/ Justis H-2 SWD
Project Number: 1863
Project Manager: Tim Reed

Fax: (432) 682-3946

Reported:
06/28/05 10:39

Total Metals by EPA / Standard Methods
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (SF20007-01) Water									
Calcium	82.2	0.100	mg/L	10	EF52114	06/21/05	06/21/05	EPA 6010B	
Magnesium	39.7	0.0100	"	"	"	"	"	"	
Potassium	7.40	0.500	"	"	"	"	"	"	
Sodium	98.9	0.100	"	"	"	"	"	"	
MW-2 (SF20007-02) Water									
Calcium	371	0.500	mg/L	50	EF52114	06/21/05	06/21/05	EPA 6010B	
Magnesium	194	0.0500	"	"	"	"	"	"	
Potassium	16.4	0.500	"	10	"	"	"	"	
Sodium	202	0.500	"	50	"	"	"	"	
MW-3 (SF20007-03) Water									
Calcium	53.8	0.100	mg/L	10	EF52114	06/21/05	06/21/05	EPA 6010B	
Magnesium	27.5	0.0100	"	"	"	"	"	"	
Potassium	7.50	0.250	"	5	"	"	"	"	
Sodium	77.9	0.100	"	10	"	"	"	"	
MW-4 (SF20007-04) Water									
Calcium	47.4	0.100	mg/L	10	EF52114	06/21/05	06/21/05	EPA 6010B	
Magnesium	27.5	0.0100	"	"	"	"	"	"	
Potassium	7.50	0.250	"	5	"	"	"	"	
Sodium	86.8	0.100	"	10	"	"	"	"	
MW-5 (SF20007-05) Water									
Calcium	83.1	0.100	mg/L	10	EF52114	06/21/05	06/21/05	EPA 6010B	
Magnesium	42.5	0.0100	"	"	"	"	"	"	
Potassium	7.68	0.500	"	"	"	"	"	"	
Sodium	96.8	0.100	"	"	"	"	"	"	

Environmental Lab of Texas

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

Page 5 of 11

Highlander Environmental Corp.
1910 N. Big Spring St.
Midland TX, 79705

Project: Rice/ Justis H-2 SWD
Project Number: 1863
Project Manager: Tim Reed

Fax: (432) 682-3946

Reported:
06/28/05 10:39

Organics by GC - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	--------------------	-------	----------------	------------------	------	----------------	-----	--------------	-------

Batch EF51702 - EPA 5030C (GC)

Blank (EF51702-BLK1)

Prepared & Analyzed: 06/20/05

Benzene	ND	0.00100	mg/L							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00100	"							
Xylene (o)	ND	0.00100	"							
Surrogate: a,a,a-Trifluorotoluene	21.1		ug/l	20.0		106	80-120			
Surrogate: 4-Bromofluorobenzene	17.2		"	20.0		86.0	80-120			

LCS (EF51702-BS1)

Prepared & Analyzed: 06/20/05

Benzene	104		ug/l	100		104	80-120			
Toluene	109		"	100		109	80-120			
Ethylbenzene	109		"	100		109	80-120			
Xylene (p/m)	202		"	200		101	80-120			
Xylene (o)	92.5		"	100		92.5	80-120			
Surrogate: a,a,a-Trifluorotoluene	18.9		"	20.0		94.5	80-120			
Surrogate: 4-Bromofluorobenzene	21.2		"	20.0		106	80-120			

LCS Dup (EF51702-BSD1)

Prepared & Analyzed: 06/20/05

Benzene	101		ug/l	100		101	80-120	2.93	20	
Toluene	109		"	100		109	80-120	0.00	20	
Ethylbenzene	102		"	100		102	80-120	6.64	20	
Xylene (p/m)	202		"	200		101	80-120	0.00	20	
Xylene (o)	90.4		"	100		90.4	80-120	2.30	20	
Surrogate: a,a,a-Trifluorotoluene	19.3		"	20.0		96.5	80-120			
Surrogate: 4-Bromofluorobenzene	20.1		"	20.0		100	80-120			

Calibration Check (EF51702-CCV1)

Prepared & Analyzed: 06/20/05

Benzene	93.9		ug/l	100		93.9	80-120			
Toluene	97.5		"	100		97.5	80-120			
Ethylbenzene	89.6		"	100		89.6	80-120			
Xylene (p/m)	178		"	200		89.0	80-120			
Xylene (o)	85.9		"	100		85.9	80-120			
Surrogate: a,a,a-Trifluorotoluene	17.0		"	20.0		85.0	80-120			
Surrogate: 4-Bromofluorobenzene	20.0		"	20.0		100	80-120			

Environmental Lab of Texas

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

Page 6 of 11

Highlander Environmental Corp.
1910 N. Big Spring St.
Midland TX, 79705

Project: Rice/ Justis H-2 SWD
Project Number: 1863
Project Manager: Tim Reed

Fax: (432) 682-3946

Reported:
06/28/05 10:39

Organics by GC - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	--------------------	-------	----------------	------------------	------	----------------	-----	--------------	-------

Batch EF51702 - EPA 5030C (GC)

Matrix Spike (EF51702-MS1)

Source: 5F15001-08

Prepared: 06/20/05 Analyzed: 06/21/05

Benzene	99.5		ug/l	100	ND	99.5	80-120			
Toluene	102		"	100	ND	102	80-120			
Ethylbenzene	96.6		"	100	ND	96.6	80-120			
Xylene (p/m)	189		"	200	ND	94.5	80-120			
Xylene (o)	86.5		"	100	ND	86.5	80-120			
Surrogate: a,a,a-Trifluorotoluene	18.3		"	20.0		91.5	80-120			
Surrogate: 4-Bromofluorobenzene	21.1		"	20.0		106	80-120			

Environmental Lab of Texas

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

Page 7 of 11

Highlander Environmental Corp.
1910 N. Big Spring St.
Midland TX, 79705

Project: Rice/ Justis H-2 SWD
Project Number: 1863
Project Manager: Tim Reed

Fax: (432) 682-3946

Reported:
06/28/05 10:39

General Chemistry Parameters by EPA / Standard Methods - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	--------------------	-------	----------------	------------------	------	----------------	-----	--------------	-------

Batch EF52209 - General Preparation (WetChem)

Blank (EF52209-BLK1)

Prepared & Analyzed: 06/20/05

Sulfate	ND	0.500	mg/L							
Chloride	ND	0.500	"							

LCS (EF52209-BS1)

Prepared & Analyzed: 06/20/05

Sulfate	10.4		mg/L	10.0		104	80-120			
Chloride	11.2		"	10.0		112	80-120			

Calibration Check (EF52209-CCV1)

Prepared & Analyzed: 06/20/05

Sulfate	10.3		mg/L	10.0		103	80-120			
Chloride	10.9		"	10.0		109	80-120			

Duplicate (EF52209-DUP1)

Source: 5F17027-01

Prepared & Analyzed: 06/20/05

Sulfate	1740	50.0	mg/L		1780			2.27	20	
Chloride	1650	50.0	"		1660			0.604	20	

Batch EF52212 - Filtration Preparation

Blank (EF52212-BLK1)

Prepared: 06/22/05 Analyzed: 06/23/05

Total Dissolved Solids	ND	5.00	mg/L							
------------------------	----	------	------	--	--	--	--	--	--	--

Duplicate (EF52212-DUP1)

Source: 5F16004-04

Prepared: 06/22/05 Analyzed: 06/23/05

Total Dissolved Solids	277	5.00	mg/L		276			0.362	20	
------------------------	-----	------	------	--	-----	--	--	-------	----	--

Batch EF52213 - General Preparation (WetChem)

Blank (EF52213-BLK1)

Prepared & Analyzed: 06/22/05

Total Alkalinity	ND	2.00	mg/L							
------------------	----	------	------	--	--	--	--	--	--	--

Environmental Lab of Texas

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

Page 8 of 11

Highlander Environmental Corp.
1910 N. Big Spring St.
Midland TX, 79705

Project: Rice/ Justis H-2 SWD
Project Number: 1863
Project Manager: Tim Reed

Fax: (432) 682-3946

Reported:
06/28/05 10:39

General Chemistry Parameters by EPA / Standard Methods - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	--------------------	-------	----------------	------------------	------	----------------	-----	--------------	-------

Batch EF52213 - General Preparation (WetChem)

Duplicate (EF52213-DUP1)

Source: 5F16009-01

Prepared & Analyzed: 06/22/05

Total Alkalinity	153	2.00	mg/L		153			0.00	20	
------------------	-----	------	------	--	-----	--	--	------	----	--

Reference (EF52213-SRM1)

Prepared & Analyzed: 06/22/05

Bicarbonate Alkalinity	230		mg/L	200		115	80-120			
------------------------	-----	--	------	-----	--	-----	--------	--	--	--

Environmental Lab of Texas

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

Page 9 of 11

Highlander Environmental Corp.
1910 N. Big Spring St.
Midland TX, 79705

Project: Rice/ Justis H-2 SWD
Project Number: 1863
Project Manager: Tim Reed

Fax: (432) 682-3946

Reported:
06/28/05 10:39

Total Metals by EPA / Standard Methods - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	--------------------	-------	----------------	------------------	------	----------------	-----	--------------	-------

Batch EF52114 - 6010B/No Digestion

Blank (EF52114-BLK1)

Prepared & Analyzed: 06/21/05

Calcium	ND	0.0100	mg/L							
Magnesium	ND	0.00100	"							
Potassium	ND	0.0500	"							
Sodium	ND	0.0100	"							

Calibration Check (EF52114-CCV1)

Prepared & Analyzed: 06/21/05

Calcium	1.94		mg/L	2.00		97.0	85-115			
Magnesium	2.14		"	2.00		107	85-115			
Potassium	1.75		"	2.00		87.5	85-115			
Sodium	1.73		"	2.00		86.5	85-115			

Duplicate (EF52114-DUP1)

Source: 5F16004-01

Prepared & Analyzed: 06/21/05

Calcium	20.4	0.100	mg/L		21.8			6.64	20	
Magnesium	19.6	0.0100	"		21.9			11.1	20	
Potassium	10.1	0.500	"		10.5			3.88	20	
Sodium	64.0	0.100	"		65.2			1.86	20	

Environmental Lab of Texas

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

Page 10 of 11

Highlander Environmental Corp.
1910 N. Big Spring St.
Midland TX, 79705

Project: Rice/ Justis H-2 SWD
Project Number: 1863
Project Manager: Tim Reed

Fax: (432) 682-3946

Reported:
06/28/05 10:39

Notes and Definitions

DET Analyte DETECTED
ND Analyte NOT DETECTED at or above the reporting limit
NR Not Reported
dry Sample results reported on a dry weight basis
RPD Relative Percent Difference
LCS Laboratory Control Spike
MS Matrix Spike
Dup Duplicate

Report Approved By:

Raland K. Tuttle

Date:

6/28/2005

Raland K. Tuttle, Lab Manager
Celey D. Keene, Lab Director, Org. Tech Director
Peggy Allen, QA Officer

Jeanne Mc Murrey, Inorg. Tech Director
LaTasha Cornish, Chemist
Sandra Sanchez, Lab Tech.

This material is intended only for the use of the individual (s) or entity to whom it is addressed, and may contain information that is privileged and confidential.

If you have received this material in error, please notify us immediately at 432-563-1800.

Environmental Lab of Texas

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

Page 11 of 11

Environmental Lab of Texas

Variance / Corrective Action Report – Sample Log-In

Client: Highlander

Date/Time: 6/20/05

Order #: 5620007

Initials: CK

Sample Receipt Checklist

Temperature of container/cooler?	Yes	No	35 C
Shipping container/cooler in good condition?	<input checked="" type="checkbox"/> Yes	No	
Custody Seals intact on shipping container/cooler?	Yes	No	Not present
Custody Seals intact on sample bottles?	<input checked="" type="checkbox"/> Yes	No	Not present
Chain of custody present?	<input checked="" type="checkbox"/> Yes	No	
Sample Instructions complete on Chain of Custody?	<input checked="" type="checkbox"/> Yes	No	
Chain of Custody signed when relinquished and received?	<input checked="" type="checkbox"/> Yes	No	
Chain of custody agrees with sample label(s)	<input checked="" type="checkbox"/> Yes	No	
Container labels legible and intact?	<input checked="" type="checkbox"/> Yes	No	
Sample Matrix and properties same as on chain of custody?	<input checked="" type="checkbox"/> Yes	No	
Samples in proper container/bottle?	<input checked="" type="checkbox"/> Yes	No	
Samples properly preserved?	<input checked="" type="checkbox"/> Yes	No	
Sample bottles intact?	<input checked="" type="checkbox"/> Yes	No	
Preservations documented on Chain of Custody?	<input checked="" type="checkbox"/> Yes	No	
Containers documented on Chain of Custody?	<input checked="" type="checkbox"/> Yes	No	
Sufficient sample amount for indicated test?	<input checked="" type="checkbox"/> Yes	No	
All samples received within sufficient hold time?	<input checked="" type="checkbox"/> Yes	No	
VOC samples have zero headspace?	<input checked="" type="checkbox"/> Yes	No	Not Applicable

Other observations:

Variance Documentation:

Contact Person: - _____ Date/Time: _____ Contacted by: _____

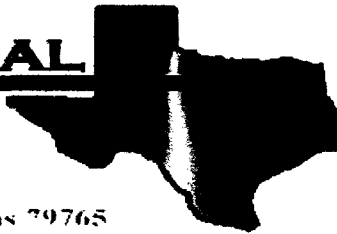
Regarding: _____

Corrective Action Taken:

Analytical Report

9/28/2005

ENVIRONMENTAL LAB OF



12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Tim Reed

Highlander Environmental Corp.

1910 N. Big Spring St.

Midland, TX 79705

Project: Rice/ Justis H-2 SWD

Project Number: 1863

Location: Lea County, NM

Lab Order Number: 5I19003

Report Date: 09/28/05

Highlander Environmental Corp.
1910 N. Big Spring St.
Midland TX, 79705

Project: Rice/ Justis H-2 SWD
Project Number: 1863
Project Manager: Tim Reed

Fax: (432) 682-3946

Reported:
09/28/05 13:55

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
MW-1	5I19003-01	Water	09/15/05 13:40	09/16/05 15:45
MW-2	5I19003-02	Water	09/15/05 15:45	09/16/05 15:45
MW-3	5I19003-03	Water	09/15/05 12:45	09/16/05 15:45
MW-4	5I19003-04	Water	09/15/05 14:15	09/16/05 15:45
MW-5	5I19003-05	Water	09/15/05 15:00	09/16/05 15:45

Highlander Environmental Corp.
1910 N. Big Spring St.
Midland TX, 79705

Project: Rice/ Justis H-2 SWD
Project Number: 1863
Project Manager: Tim Reed

Fax: (432) 682-3946

Reported:
09/28/05 13:55

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (5I19003-01) Water									
Benzene	ND	0.00100	mg/L	1	EI51910	09/21/05	09/22/05	EPA 8021B	
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		94.2 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		87.0 %	80-120		"	"	"	"	
MW-2 (5I19003-02) Water									
Benzene	ND	0.00100	mg/L	1	EI51910	09/21/05	09/22/05	EPA 8021B	
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		93.2 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		83.0 %	80-120		"	"	"	"	
MW-3 (5I19003-03) Water									
Benzene	ND	0.00100	mg/L	1	EI51910	09/21/05	09/22/05	EPA 8021B	
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		93.0 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		82.0 %	80-120		"	"	"	"	
MW-4 (5I19003-04) Water									
Benzene	ND	0.00100	mg/L	1	EI51910	09/21/05	09/22/05	EPA 8021B	
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		92.8 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		88.2 %	80-120		"	"	"	"	

Environmental Lab of Texas

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

Page 2 of 11

Highlander Environmental Corp.
1910 N. Big Spring St.
Midland TX, 79705

Project: Rice/ Justis H-2 SWD
Project Number: 1863
Project Manager: Tim Reed

Fax: (432) 682-3946

Reported:
09/28/05 13:55

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-5 (5H19003-05) Water									
Benzene	ND	0.00100	mg/L	1	EI51910	09/21/05	09/22/05	EPA 8021B	
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
<i>Surrogate: a,a,a-Trifluorotoluene</i>		93.2 %	80-120		"	"	"	"	
<i>Surrogate: 4-Bromofluorobenzene</i>		85.2 %	80-120		"	"	"	"	

Environmental Lab of Texas

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

Page 3 of 11

Highlander Environmental Corp.
1910 N. Big Spring St.
Midland TX, 79705

Project: Rice/ Justis H-2 SWD
Project Number: 1863
Project Manager: Tim Reed

Fax: (432) 682-3946

Reported:
09/28/05 13:55

General Chemistry Parameters by EPA / Standard Methods
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (5I19003-01) Water									
Total Alkalinity	164	2.00	mg/L	1	EI52215	09/21/05	09/21/05	EPA 310.2M	
Chloride	151	5.00	"	10	EI52001	09/19/05	09/20/05	EPA 300.0	
pH	7.32		pH Units	1	EI52004	09/19/05	09/19/05	EPA 150.1	O-04
Total Dissolved Solids	840	5.00	mg/L	"	EI52607	09/21/05	09/22/05	EPA 160.1	
Sulfate	133	5.00	"	10	EI52001	09/19/05	09/20/05	EPA 300.0	
MW-2 (5I19003-02) Water									
Total Alkalinity	136	2.00	mg/L	1	EI52215	09/21/05	09/21/05	EPA 310.2M	
Chloride	1110	25.0	"	50	EI52001	09/19/05	09/20/05	EPA 300.0	
pH	7.19		pH Units	1	EI52004	09/19/05	09/19/05	EPA 150.1	O-04
Total Dissolved Solids	3240	5.00	mg/L	"	EI52607	09/21/05	09/22/05	EPA 160.1	
Sulfate	196	25.0	"	50	EI52001	09/19/05	09/20/05	EPA 300.0	
MW-3 (5I19003-03) Water									
Total Alkalinity	164	2.00	mg/L	1	EI52215	09/21/05	09/21/05	EPA 310.2M	
Chloride	56.4	5.00	"	10	EI52001	09/19/05	09/20/05	EPA 300.0	
pH	7.61		pH Units	1	EI52004	09/19/05	09/19/05	EPA 150.1	O-04
Total Dissolved Solids	664	5.00	mg/L	"	EI52607	09/21/05	09/22/05	EPA 160.1	
Sulfate	139	5.00	"	10	EI52001	09/19/05	09/20/05	EPA 300.0	
MW-4 (5I19003-04) Water									
Total Alkalinity	170	2.00	mg/L	1	EI52215	09/21/05	09/21/05	EPA 310.2M	
Chloride	48.2	5.00	"	10	EI52001	09/19/05	09/20/05	EPA 300.0	
pH	7.69		pH Units	1	EI52004	09/19/05	09/19/05	EPA 150.1	O-04
Total Dissolved Solids	634	5.00	mg/L	"	EI52607	09/21/05	09/22/05	EPA 160.1	
Sulfate	135	5.00	"	10	EI52001	09/19/05	09/20/05	EPA 300.0	
MW-5 (5I19003-05) Water									
Total Alkalinity	140	2.00	mg/L	1	EI52215	09/21/05	09/21/05	EPA 310.2M	
Chloride	147	5.00	"	10	EI52001	09/19/05	09/20/05	EPA 300.0	
pH	7.61		pH Units	1	EI52004	09/19/05	09/19/05	EPA 150.1	O-04
Total Dissolved Solids	852	5.00	mg/L	"	EI52607	09/21/05	09/22/05	EPA 160.1	
Sulfate	136	5.00	"	10	EI52001	09/19/05	09/20/05	EPA 300.0	

Environmental Lab of Texas

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

Page 4 of 11

Highlander Environmental Corp.
1910 N. Big Spring St.
Midland TX, 79705

Project: Rice/ Justis H-2 SWD
Project Number: 1863
Project Manager: Tim Reed

Fax: (432) 682-3946

Reported:
09/28/05 13:55

Total Metals by EPA / Standard Methods
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
MW-1 (5I19003-01) Water									
Calcium	80.2	0.500	mg/L	50	EI52709	09/27/05	09/27/05	EPA 6010B	
Magnesium	32.6	0.0100	"	10	"	"	"	"	
Potassium	8.08	0.250	"	5	"	"	"	"	
Sodium	87.7	0.500	"	50	"	"	"	"	
MW-2 (5I19003-02) Water									
Calcium	317	0.500	mg/L	50	EI52709	09/27/05	09/27/05	EPA 6010B	
Magnesium	147	0.0500	"	"	"	"	"	"	
Potassium	15.7	0.500	"	10	"	"	"	"	
Sodium	180	0.500	"	50	"	"	"	"	
MW-3 (5I19003-03) Water									
Calcium	51.4	0.500	mg/L	50	EI52709	09/27/05	09/27/05	EPA 6010B	
Magnesium	24.2	0.0100	"	10	"	"	"	"	
Potassium	7.32	0.250	"	5	"	"	"	"	
Sodium	71.9	0.500	"	50	"	"	"	"	
MW-4 (5I19003-04) Water									
Calcium	46.9	0.500	mg/L	50	EI52709	09/27/05	09/27/05	EPA 6010B	
Magnesium	24.2	0.0100	"	10	"	"	"	"	
Potassium	7.23	0.250	"	5	"	"	"	"	
Sodium	71.6	0.500	"	50	"	"	"	"	
MW-5 (5I19003-05) Water									
Calcium	80.9	0.500	mg/L	50	EI52709	09/27/05	09/27/05	EPA 6010B	
Magnesium	37.1	0.0100	"	10	"	"	"	"	
Potassium	8.29	0.250	"	5	"	"	"	"	
Sodium	88.4	0.500	"	50	"	"	"	"	

Environmental Lab of Texas

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

Page 5 of 11

Highlander Environmental Corp.
1910 N. Big Spring St.
Midland TX, 79705

Project: Rice/ Justis H-2 SWD
Project Number: 1863
Project Manager: Tim Reed

Fax: (432) 682-3946

Reported:
09/28/05 13:55

Organics by GC - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	--------------------	-------	----------------	------------------	------	----------------	-----	--------------	-------

Batch EI51910 - EPA 5030C (GC)

Blank (EI51910-BLK1)

Prepared: 09/19/05 Analyzed: 09/22/05

Benzene	ND	0.00100	mg/L							
Toluene	ND	0.00100	"							
Ethylbenzene	ND	0.00100	"							
Xylene (p/m)	ND	0.00100	"							
Xylene (o)	ND	0.00100	"							
Surrogate: a,a,a-Trifluorotoluene	37.3		ug/l	40.0		93.2	80-120			
Surrogate: 4-Bromofluorobenzene	35.7		"	40.0		89.2	80-120			

LCS (EI51910-BS1)

Prepared: 09/19/05 Analyzed: 09/21/05

Benzene	45.3		ug/l	50.0		90.6	80-120			
Toluene	42.9		"	50.0		85.8	80-120			
Ethylbenzene	48.3		"	50.0		96.6	80-120			
Xylene (p/m)	89.1		"	100		89.1	80-120			
Xylene (o)	54.6		"	50.0		109	80-120			
Surrogate: a,a,a-Trifluorotoluene	37.7		"	40.0		94.2	80-120			
Surrogate: 4-Bromofluorobenzene	46.0		"	40.0		115	80-120			

Calibration Check (EI51910-CCV1)

Prepared: 09/19/05 Analyzed: 09/22/05

Benzene	47.1		ug/l	50.0		94.2	80-120			
Toluene	44.9		"	50.0		89.8	80-120			
Ethylbenzene	49.1		"	50.0		98.2	80-120			
Xylene (p/m)	89.8		"	100		89.8	80-120			
Xylene (o)	52.6		"	50.0		105	80-120			
Surrogate: a,a,a-Trifluorotoluene	37.7		"	40.0		94.2	0-200			
Surrogate: 4-Bromofluorobenzene	36.9		"	40.0		92.2	0-200			

Matrix Spike (EI51910-MS1)

Source: SI15012-34

Prepared: 09/19/05 Analyzed: 09/22/05

Benzene	41.2		ug/l	50.0	ND	82.4	80-120			
Toluene	40.3		"	50.0	ND	80.6	80-120			
Ethylbenzene	40.0		"	50.0	ND	80.0	80-120			
Xylene (p/m)	80.7		"	100	ND	80.7	80-120			
Xylene (o)	40.6		"	50.0	ND	81.2	80-120			
Surrogate: a,a,a-Trifluorotoluene	35.7		"	40.0		89.2	80-120			
Surrogate: 4-Bromofluorobenzene	34.6		"	40.0		86.5	80-120			

Environmental Lab of Texas

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

Page 6 of 11

Highlander Environmental Corp.
1910 N. Big Spring St.
Midland TX, 79705

Project: Rice/ Justis H-2 SWD
Project Number: 1863
Project Manager: Tim Reed

Fax: (432) 682-3946

Reported:
09/28/05 13:55

Organics by GC - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	--------------------	-------	----------------	------------------	------	----------------	-----	--------------	-------

Batch EI51910 - EPA 5030C (GC)

Matrix Spike Dup (EI51910-MSD1)

Source: 5115012-34

Prepared: 09/19/05 Analyzed: 09/22/05

Benzene	42.6		ug/l	50.0	ND	85.2	80-120	3.34	20	
Toluene	40.0		"	50.0	ND	80.0	80-120	0.747	20	
Ethylbenzene	41.6		"	50.0	ND	83.2	80-120	3.92	20	
Xylene (p/m)	81.2		"	100	ND	81.2	80-120	0.618	20	
Xylene (o)	42.9		"	50.0	ND	85.8	80-120	5.51	20	
Surrogate: a,a,a-Trifluorotoluene	35.1		"	40.0		87.8	80-120			
Surrogate: 4-Bromofluorobenzene	35.6		"	40.0		89.0	80-120			

Environmental Lab of Texas

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

Page 7 of 11

Highlander Environmental Corp.
1910 N. Big Spring St.
Midland TX, 79705

Project: Rice/ Justis H-2 SWD
Project Number: 1863
Project Manager: Tim Reed

Fax: (432) 682-3946
Reported:
09/28/05 13:55

General Chemistry Parameters by EPA / Standard Methods - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch EI52001 - General Preparation (WetChem)									
Blank (EI52001-BLK1)				Prepared: 09/19/05 Analyzed: 09/20/05					
Chloride	ND	0.500	mg/L						
Sulfate	ND	0.500	"						
LCS (EI52001-BS1)				Prepared: 09/19/05 Analyzed: 09/20/05					
Chloride	8.10		mg/L	10.0		81.0	80-120		
Sulfate	8.85		"	10.0		88.5	80-120		
Calibration Check (EI52001-CCV1)				Prepared: 09/19/05 Analyzed: 09/20/05					
Chloride	10.2		mg/L	10.0		102	80-120		
Sulfate	10.2		"	10.0		102	80-120		
Duplicate (EI52001-DUP1)		Source: 5119003-01		Prepared: 09/19/05 Analyzed: 09/20/05					
Chloride	154	5.00	mg/L		151		1.97	20	
Sulfate	134	5.00	"		133		0.749	20	
Batch EI52004 - General Preparation (WetChem)									
Calibration Check (EI52004-CCV1)				Prepared & Analyzed: 09/19/05					
pH	6.96		pH Units	7.00		99.4	97.5-102.5		O-04
Duplicate (EI52004-DUP1)		Source: 5119003-01		Prepared & Analyzed: 09/19/05					
pH	7.27		pH Units		7.32		0.685	2.5	O-04
Batch EI52215 - General Preparation (WetChem)									
Blank (EI52215-BLK1)				Prepared & Analyzed: 09/21/05					
Total Alkalinity	ND	2.00	mg/L						

Environmental Lab of Texas

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

Page 8 of 11

Highlander Environmental Corp.
1910 N. Big Spring St.
Midland TX, 79705

Project: Rice/ Justis H-2 SWD
Project Number: 1863
Project Manager: Tim Reed

Fax: (432) 682-3946

Reported:
09/28/05 13:55

General Chemistry Parameters by EPA / Standard Methods - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch EI52215 - General Preparation (WetChem)									
Calibration Check (EI52215-CCV1)				Prepared & Analyzed: 09/21/05					
Bicarbonate Alkalinity	229		mg/L	200		114 80-120			
Duplicate (EI52215-DUP1)				Source: 5I13005-01		Prepared & Analyzed: 09/21/05			
Total Alkalinity	0.00	2.00	mg/L		96.0			20	
Batch EI52607 - General Preparation (WetChem)									
Blank (EI52607-BLK1)				Prepared & Analyzed: 09/22/05					
Total Dissolved Solids	ND	5.00	mg/L						
Duplicate (EI52607-DUP1)				Source: 5I19003-01		Prepared & Analyzed: 09/22/05			
Total Dissolved Solids	812	5.00	mg/L		840		3.39	5	
Duplicate (EI52607-DUP2)				Source: 5I19033-08		Prepared & Analyzed: 09/22/05			
Total Dissolved Solids	22100	5.00	mg/L		22400		1.35	5	

Environmental Lab of Texas

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

Page 9 of 11

Highlander Environmental Corp.
1910 N. Big Spring St.
Midland TX, 79705

Project: Rice/ Justis H-2 SWD
Project Number: 1863
Project Manager: Tim Reed

Fax: (432) 682-3946
Reported:
09/28/05 13:55

Total Metals by EPA / Standard Methods - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	--------------------	-------	----------------	------------------	------	----------------	-----	--------------	-------

Batch EI52709 - 6010B/No Digestion

Blank (EI52709-BLK1)

Prepared & Analyzed: 09/27/05

Calcium	ND	0.0100	mg/L							
Magnesium	ND	0.00100	"							
Potassium	ND	0.0500	"							
Sodium	ND	0.0100	"							

Calibration Check (EI52709-CCV1)

Prepared & Analyzed: 09/27/05

Calcium	2.02		mg/L	2.00		101	85-115			
Magnesium	1.83		"	2.00		91.5	85-115			
Potassium	2.08		"	2.00		104	85-115			
Sodium	1.77		"	2.00		88.5	85-115			

Duplicate (EI52709-DUP1)

Source: SI19003-01

Prepared & Analyzed: 09/27/05

Calcium	78.0	0.500	mg/L	80.2				2.78	20	
Magnesium	32.2	0.0100	"	32.6				1.23	20	
Potassium	8.07	0.250	"	8.08				0.124	20	
Sodium	88.9	0.500	"	87.7				1.36	20	

Environmental Lab of Texas

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

Page 10 of 11

Highlander Environmental Corp.
1910 N. Big Spring St.
Midland TX, 79705

Project: Rice/ Justis H-2 SWD
Project Number: 1863
Project Manager: Tim Reed

Fax: (432) 682-3946

Reported:
09/28/05 13:55

Notes and Definitions

O-04 This sample was analyzed outside the EPA recommended holding time.
DET Analyte DETECTED
ND Analyte NOT DETECTED at or above the reporting limit
NR Not Reported
dry Sample results reported on a dry weight basis
RPD Relative Percent Difference
LCS Laboratory Control Spike
MS Matrix Spike
Dup Duplicate

Report Approved By:

Raland K. Tuttle

Date:

9/28/2005

Raland K. Tuttle, Lab Manager
Celey D. Keene, Lab Director, Org. Tech Director
Peggy Allen, QA Officer

Jeanne Mc Murrey, Inorg. Tech Director
LaTasha Cornish, Chemist
Sandra Sanchez, Lab Tech.

This material is intended only for the use of the individual (s) or entity to whom it is addressed, and may contain information that is privileged and confidential.

If you have received this material in error, please notify us immediately at 432-563-1800.

Environmental Lab of Texas

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

Page 11 of 11

HIGHLANDER ENVIRONMENTAL CORP.

Midland, Texas 79705

Fax (432) 682-3946

[illegible]

7/10/15/85
E-Team will out all copies -- Laboratory retains yellow copy -- Return original copy to Highlander Environmental Corp. -- Project Manager retains pink copy -- Accounting receives Gold copy.

Environmental Lab of Texas

Variance / Corrective Action Report – Sample Log-In

Client: Highlander

Date/Time: 9/16/05 3:45

Order #: SL 19003

Initials: CK

Sample Receipt Checklist

Temperature of container/cooler?	Yes	No	3.0	C
Shipping container/cooler in good condition?	Yes	No		
Custody Seals intact on shipping container/cooler?	Yes	No	Not present	
Custody Seals intact on sample bottles?	Yes	No	Not present	
Chain of custody present?	Yes	No		
Sample Instructions complete on Chain of Custody?	Yes	No		
Chain of Custody signed when relinquished and received?	Yes	No		
Chain of custody agrees with sample label(s)	Yes	No		
Container labels legible and intact?	Yes	No		
Sample Matrix and properties same as on chain of custody?	Yes	No		
Samples in proper container/bottle?	Yes	No		
Samples properly preserved?	Yes	No		
Sample bottles intact?	Yes	No		
Preservations documented on Chain of Custody?	Yes	No		
Containers documented on Chain of Custody?	Yes	No		
Sufficient sample amount for indicated test?	Yes	No		
All samples received within sufficient hold time?	Yes	No		
VOC samples have zero headspace?	Yes	No	Not Applicable	

Other observations:

Variance Documentation:

Contact Person: _____ Date/Time: _____ Contacted by: _____

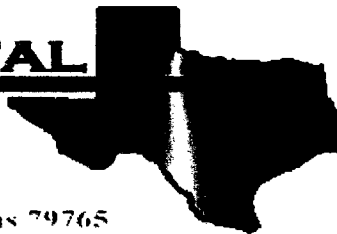
Regarding: _____

Corrective Action Taken:

Analytical Report

12/29/2005

E NVIRONMENTAL LAB OF



12600 West I-20 East - Odessa, Texas 79765

Analytical Report

Prepared for:

Kristin Farris-Pope

Rice Operating Co.

122 W. Taylor

Hobbs, NM 88240

Project: Justis H-2 SWD

Project Number: None Given

Location: Lea County

Lab Order Number: 5L07010

Report Date: 12/29/05

Rice Operating Co.
122 W. Taylor
Hobbs NM, 88240

Project: Justis H-2 SWD
Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471
Reported:
12/29/05 17:39

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
Monitor Well #1	5L07010-01	Water	12/05/05 12:15	12/07/05 15:15
Monitor Well #2	5L07010-02	Water	12/05/05 15:30	12/07/05 15:15
Monitor Well #3	5L07010-03	Water	12/05/05 13:40	12/07/05 15:15
Monitor Well #4	5L07010-04	Water	12/05/05 14:20	12/07/05 15:15
Monitor Well #5	5L07010-05	Water	12/05/05 14:50	12/07/05 15:15

Rice Operating Co.
122 W. Taylor
Hobbs NM, 88240

Project: Justis H-2 SWD
Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Reported:
12/29/05 17:39

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Monitor Well #1 (SL07010-01) Water									
Benzene	ND	0.00100	mg/L	1	EL50801	12/08/05	12/08/05	EPA 8021B	
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
Surrogate: <i>a,a,a</i> -Trifluorotoluene		94.5 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		86.0 %	80-120		"	"	"	"	
Monitor Well #2 (SL07010-02) Water									
Benzene	ND	0.00100	mg/L	1	EL50801	12/08/05	12/08/05	EPA 8021B	
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
Surrogate: <i>a,a,a</i> -Trifluorotoluene		83.0 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		82.8 %	80-120		"	"	"	"	
Monitor Well #3 (SL07010-03) Water									
Benzene	ND	0.00100	mg/L	1	EL50801	12/08/05	12/12/05	EPA 8021B	
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
Surrogate: <i>a,a,a</i> -Trifluorotoluene		106 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		86.0 %	80-120		"	"	"	"	
Monitor Well #4 (SL07010-04) Water									
Benzene	ND	0.00100	mg/L	1	EL50801	12/08/05	12/12/05	EPA 8021B	
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
Surrogate: <i>a,a,a</i> -Trifluorotoluene		104 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		86.2 %	80-120		"	"	"	"	

Environmental Lab of Texas

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

Page 2 of 11

Rice Operating Co.
122 W. Taylor
Hobbs NM, 88240

Project: Justis H-2 SWD
Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Reported:
12/29/05 17:39

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Monitor Well #5 (5L07010-05) Water									
Benzene	ND	0.00100	mg/L	1	EL50801	12/08/05	12/12/05	EPA 8021B	
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
Surrogate: <i>a,a,a</i> -Trifluorotoluene		104 %	80-120	"	"	"	"	"	
Surrogate: 4-Bromofluorobenzene		82.0 %	80-120	"	"	"	"	"	

Environmental Lab of Texas

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

Page 3 of 11

Rice Operating Co.
122 W. Taylor
Hobbs NM, 88240

Project: Justis H-2 SWD
Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Reported:
12/29/05 17:39

General Chemistry Parameters by EPA / Standard Methods
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Monitor Well #1 (5L07010-01) Water									
Total Alkalinity	180	4.00	mg/L	2	EL51202	12/12/05	12/12/05	EPA 310.1M	
Chloride	93.5	5.00	"	10	EL50917	12/08/05	12/09/05	EPA 300.0	
Total Dissolved Solids	586	5.00	"	1	EL51210	12/08/05	12/09/05	EPA 160.1	
Sulfate	114	5.00	"	10	EL50917	12/08/05	12/09/05	EPA 300.0	
Monitor Well #2 (5L07010-02) Water									
Total Alkalinity	136	4.00	mg/L	2	EL51202	12/12/05	12/12/05	EPA 310.1M	
Chloride	1110	12.5	"	25	EL50917	12/08/05	12/09/05	EPA 300.0	
Total Dissolved Solids	2630	5.00	"	1	EL51210	12/08/05	12/09/05	EPA 160.1	
Sulfate	134	12.5	"	25	EL50917	12/08/05	12/09/05	EPA 300.0	
Monitor Well #3 (5L07010-03) Water									
Total Alkalinity	168	4.00	mg/L	2	EL51202	12/12/05	12/12/05	EPA 310.1M	
Chloride	30.7	5.00	"	10	EL50917	12/08/05	12/09/05	EPA 300.0	
Total Dissolved Solids	450	5.00	"	1	EL51210	12/08/05	12/09/05	EPA 160.1	
Sulfate	131	5.00	"	10	EL50917	12/08/05	12/09/05	EPA 300.0	
Monitor Well #4 (5L07010-04) Water									
Total Alkalinity	156	4.00	mg/L	2	EL51202	12/12/05	12/12/05	EPA 310.1M	
Chloride	29.1	5.00	"	10	EL50917	12/08/05	12/09/05	EPA 300.0	
Total Dissolved Solids	496	5.00	"	1	EL51210	12/08/05	12/09/05	EPA 160.1	
Sulfate	136	5.00	"	10	EL50917	12/08/05	12/09/05	EPA 300.0	
Monitor Well #5 (5L07010-05) Water									
Total Alkalinity	148	4.00	mg/L	2	EL51202	12/12/05	12/12/05	EPA 310.1M	
Chloride	159	5.00	"	10	EL50917	12/08/05	12/09/05	EPA 300.0	
Total Dissolved Solids	662	5.00	"	1	EL51210	12/08/05	12/09/05	EPA 160.1	
Sulfate	142	5.00	"	10	EL50917	12/08/05	12/09/05	EPA 300.0	

Environmental Lab of Texas

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

Page 4 of 11

Rice Operating Co.
122 W. Taylor
Hobbs NM, 88240

Project: Justis H-2 SWD
Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Reported:
12/29/05 17:39

Total Metals by EPA / Standard Methods
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Monitor Well #1 (5L07010-01) Water									
Calcium	79.0	0.100	mg/L	10	EL51903	12/16/05	12/16/05	EPA 6010B	
Magnesium	34.3	0.0100	"	"	"	"	"	"	
Potassium	7.03	0.500	"	"	"	"	"	"	
Sodium	76.1	0.500	"	50	"	"	"	"	
Monitor Well #2 (5L07010-02) Water									
Calcium	381	0.500	mg/L	50	EL51903	12/16/05	12/16/05	EPA 6010B	
Magnesium	164	0.0500	"	"	"	"	"	"	
Potassium	16.5	0.500	"	10	"	"	"	"	
Sodium	206	0.500	"	50	"	"	"	"	
Monitor Well #3 (5L07010-03) Water									
Calcium	55.1	0.100	mg/L	10	EL51903	12/16/05	12/16/05	EPA 6010B	
Magnesium	25.5	0.0100	"	"	"	"	"	"	
Potassium	5.74	0.500	"	"	"	"	"	"	
Sodium	69.5	0.100	"	"	"	"	"	"	
Monitor Well #4 (5L07010-04) Water									
Calcium	53.3	0.100	mg/L	10	EL51903	12/16/05	12/16/05	EPA 6010B	
Magnesium	28.5	0.0100	"	"	"	"	"	"	
Potassium	9.66	0.500	"	"	"	"	"	"	
Sodium	76.3	0.500	"	50	"	"	"	"	
Monitor Well #5 (5L07010-05) Water									
Calcium	93.2	0.100	mg/L	10	EL51903	12/16/05	12/16/05	EPA 6010B	
Magnesium	42.8	0.0100	"	"	"	"	"	"	
Potassium	7.77	0.500	"	"	"	"	"	"	
Sodium	69.5	0.500	"	50	"	"	"	"	

Environmental Lab of Texas

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

Page 5 of 11

Rice Operating Co.
122 W. Taylor
Hobbs NM, 88240

Project: Justis H-2 SWD
Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Reported:
12/29/05 17:39

Organics by GC - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch EL50801 - EPA 5030C (GC)									
Blank (EL50801-BLK1)									
Prepared & Analyzed: 12/08/05									
Benzene	ND	0.00100	mg/L						
Toluene	ND	0.00100	"						
Ethylbenzene	ND	0.00100	"						
Xylene (p/m)	ND	0.00100	"						
Xylene (o)	ND	0.00100	"						
Surrogate: a,a,a-Trifluorotoluene	33.8		ug/l	40.0		84.5	80-120		
Surrogate: 4-Bromofluorobenzene	32.6		"	40.0		81.5	80-120		
LCS (EL50801-BS1)									
Prepared & Analyzed: 12/08/05									
Benzene	0.0492	0.00100	mg/L	0.0500		98.4	80-120		
Toluene	0.0526	0.00100	"	0.0500		105	80-120		
Ethylbenzene	0.0503	0.00100	"	0.0500		101	80-120		
Xylene (p/m)	0.0973	0.00100	"	0.100		97.3	80-120		
Xylene (o)	0.0504	0.00100	"	0.0500		101	80-120		
Surrogate: a,a,a-Trifluorotoluene	45.9		ug/l	40.0		115	80-120		
Surrogate: 4-Bromofluorobenzene	43.9		"	40.0		110	80-120		
Calibration Check (EL50801-CCV1)									
Prepared & Analyzed: 12/08/05									
Benzene	42.9		ug/l	50.0		85.8	80-120		
Toluene	43.5		"	50.0		87.0	80-120		
Ethylbenzene	41.6		"	50.0		83.2	80-120		
Xylene (p/m)	83.4		"	100		83.4	80-120		
Xylene (o)	42.5		"	50.0		85.0	80-120		
Surrogate: a,a,a-Trifluorotoluene	39.3		"	40.0		98.2	80-120		
Surrogate: 4-Bromofluorobenzene	38.3		"	40.0		95.8	80-120		
Matrix Spike (EL50801-MS1)									
Source: 5L05006-08 Prepared & Analyzed: 12/08/05									
Benzene	0.0434	0.00100	mg/L	0.0500	ND	86.8	80-120		
Toluene	0.0451	0.00100	"	0.0500	ND	90.2	80-120		
Ethylbenzene	0.0429	0.00100	"	0.0500	ND	85.8	80-120		
Xylene (p/m)	0.0842	0.00100	"	0.100	ND	84.2	80-120		
Xylene (o)	0.0438	0.00100	"	0.0500	ND	87.6	80-120		
Surrogate: a,a,a-Trifluorotoluene	43.5		ug/l	40.0		109	80-120		
Surrogate: 4-Bromofluorobenzene	38.4		"	40.0		96.0	80-120		

Environmental Lab of Texas

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

Page 6 of 11

Rice Operating Co.
122 W. Taylor
Hobbs NM, 88240

Project: Justis H-2 SWD
Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Reported:
12/29/05 17:39

Organics by GC - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	--------------------	-------	----------------	------------------	------	----------------	-----	--------------	-------

Batch EL50801 - EPA 5030C (GC)

Matrix Spike Dup (EL50801-MSD1)

Source: 5L05006-08

Prepared & Analyzed: 12/08/05

Benzene	0.0459	0.00100	mg/L	0.0500	ND	91.8	80-120	5.60	20	
Toluene	0.0500	0.00100	"	0.0500	ND	100	80-120	10.3	20	
Ethylbenzene	0.0481	0.00100	"	0.0500	ND	96.2	80-120	11.4	20	
Xylene (p/m)	0.0929	0.00100	"	0.100	ND	92.9	80-120	9.82	20	
Xylene (o)	0.0491	0.00100	"	0.0500	ND	98.2	80-120	11.4	20	
Surrogate: a,a,a-Trifluorotoluene	38.6		ug/l	40.0		96.5	80-120			
Surrogate: 4-Bromofluorobenzene	36.2		"	40.0		90.5	80-120			

Environmental Lab of Texas

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

Page 7 of 11

Rice Operating Co.
122 W. Taylor
Hobbs NM, 88240

Project: Justis H-2 SWD
Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Reported:
12/29/05 17:39

General Chemistry Parameters by EPA / Standard Methods - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	--------------------	-------	----------------	------------------	------	----------------	-----	--------------	-------

Batch EL50917 - General Preparation (WetChem)

Blank (EL50917-BLK1)

Prepared: 12/08/05 Analyzed: 12/09/05

Chloride	ND	0.500	mg/L							
Sulfate	ND	0.500	"							

LCS (EL50917-BS1)

Prepared: 12/08/05 Analyzed: 12/09/05

Chloride	8.00		mg/L	10.0		80.0	80-120			
Sulfate	9.08		"	10.0		90.8	80-120			

Calibration Check (EL50917-CCV1)

Prepared: 12/08/05 Analyzed: 12/09/05

Sulfate	9.19		mg/L	10.0		91.9	80-120			
Chloride	8.12		"	10.0		81.2	80-120			

Duplicate (EL50917-DUP1)

Source: 5L07010-01

Prepared: 12/08/05 Analyzed: 12/09/05

Chloride	96.0	5.00	mg/L		93.5			2.64	20	
Sulfate	117	5.00	"		114			2.60	20	

Batch EL51202 - General Preparation (WetChem)

Blank (EL51202-BLK1)

Prepared & Analyzed: 12/12/05

Total Alkalinity	ND	2.00	mg/L							
------------------	----	------	------	--	--	--	--	--	--	--

Duplicate (EL51202-DUP1)

Source: 5L07010-01

Prepared & Analyzed: 12/12/05

Total Alkalinity	178	4.00	mg/L		180			1.12	20	
------------------	-----	------	------	--	-----	--	--	------	----	--

Reference (EL51202-SRM1)

Prepared & Analyzed: 12/12/05

Bicarbonate Alkalinity	230		mg/L	200		115	80-120			
------------------------	-----	--	------	-----	--	-----	--------	--	--	--

Environmental Lab of Texas

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

Page 8 of 11

Rice Operating Co.
122 W. Taylor
Hobbs NM, 88240

Project: Justis H-2 SWD
Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Reported:
12/29/05 17:39

General Chemistry Parameters by EPA / Standard Methods - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch EL51210 - General Preparation (WetChem)										
Blank (EL51210-BLK1)										
					Prepared: 12/08/05 Analyzed: 12/09/05					
Total Dissolved Solids	ND	5.00	mg/L							
Duplicate (EL51210-DUP1)										
Source: 5L07010-01					Prepared: 12/08/05 Analyzed: 12/09/05					
Total Dissolved Solids	604	5.00	mg/L		586			3.03	5	
Duplicate (EL51210-DUP2)										
Source: 5L08004-05					Prepared: 12/08/05 Analyzed: 12/09/05					
Total Dissolved Solids	2700	5.00	mg/L		2840			5.05	5	

Environmental Lab of Texas

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

Page 9 of 11

Rice Operating Co.
122 W. Taylor
Hobbs NM, 88240

Project: Justis H-2 SWD
Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Reported:
12/29/05 17:39

Total Metals by EPA / Standard Methods - Quality Control
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
---------	--------	--------------------	-------	----------------	------------------	------	----------------	-----	--------------	-------

Batch EL51903 - 6010B/No Digestion

Blank (EL51903-BLK1)

Prepared & Analyzed: 12/16/05

Calcium	ND	0.0100	mg/L							
Magnesium	ND	0.00100	"							
Potassium	ND	0.0500	"							
Sodium	ND	0.0100	"							

Calibration Check (EL51903-CCV1)

Prepared & Analyzed: 12/16/05

Calcium	1.95		mg/L	2.00		97.5	85-115			
Magnesium	2.11		"	2.00		106	85-115			
Potassium	1.82		"	2.00		91.0	85-115			
Sodium	1.74		"	2.00		87.0	85-115			

Duplicate (EL51903-DUP1)

Source: 5L06016-01

Prepared & Analyzed: 12/16/05

Calcium	53.1	0.100	mg/L		51.6			2.87	20	
Magnesium	7.42	0.0100	"		7.48			0.805	20	
Potassium	3.54	0.0500	"		3.53			0.283	20	
Sodium	43.3	0.100	"		41.7			3.76	20	

Environmental Lab of Texas

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

Page 10 of 11

Rice Operating Co.
122 W. Taylor
Hobbs NM, 88240

Project: Justis H-2 SWD
Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Reported:
12/29/05 17:39

Notes and Definitions

DET Analyte DETECTED
ND Analyte NOT DETECTED at or above the reporting limit
NR Not Reported
dry Sample results reported on a dry weight basis
RPD Relative Percent Difference
LCS Laboratory Control Spike
MS Matrix Spike
Dup Duplicate

Report Approved By:

Raland K. Tuttle

Date:

12/29/2005

Raland K. Tuttle, Lab Manager
Celey D. Keene, Lab Director, Org. Tech Director
Peggy Allen, QA Officer

Jeanne Mc Murrey, Inorg. Tech Director
LaTasha Cornish, Chemist
Sandra Sanchez, Lab Tech.

This material is intended only for the use of the individual (s) or entity to whom it is addressed, and may contain information that is privileged and confidential.

If you have received this material in error, please notify us immediately at 432-563-1800.

Environmental Lab of Texas

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

Page 11 of 11

**12800 West I-20 East
Odessa, Texas 79765**

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Name: Just's H-2 SWD

Company Name RICE Operating Company

Project #:

Company Address: 122 W. Taylor Street

Project Loc: **Lea County**

City/State/Zip: Hobbs, New Mexico 88240

福

Telephone No: (505) 393-9174

Fax No: (505) 397-1471

Sampler Signature: Rozanne Johnson (505) 831-9310

Email: rozanne@valomet.com

[illegible]

Special Instructions:

PLEASE Email RESULTS TO: kpriceswd@valomet.com & mfranks@riceswd.com

Sample Containers Intact?

Labels on container?

Custody Seals, Containers, Cooler

Temperature Upon Receipt:

Refinanced by:

Received by:

Data	Time
------	------

Time

~~Rozanne Goringhoff~~
Relinquished by:

Received by ELDT

Date: / /	Time: :
-----------	---------

Summary

Labels/Seals

Environmental Lab of Texas

Variance / Corrective Action Report – Sample Log-In

Client: Rice Op.

Date/Time: 12/7/05 3:15

Order #: 5L01010

Initials: ck

Sample Receipt Checklist

Temperature of container/cooler?	Yes	No	1.0 C
Shipping container/cooler in good condition?	Yes	No	
Custody Seals intact on shipping container/cooler?	Yes	No	Not present
Custody Seals intact on sample bottles?	Yes	No	Not present
Chain of custody present?	Yes	No	
Sample Instructions complete on Chain of Custody?	Yes	No	
Chain of Custody signed when relinquished and received?	Yes	No	
Chain of custody agrees with sample label(s)	Yes	No	
Container labels legible and intact?	Yes	No	
Sample Matrix and properties same as on chain of custody?	Yes	No	
Samples in proper container/bottle?	Yes	No	
Samples properly preserved?	Yes	No	
Sample bottles intact?	Yes	No	
Preservations documented on Chain of Custody?	Yes	No	
Containers documented on Chain of Custody?	Yes	No	
Sufficient sample amount for indicated test?	Yes	No	
All samples received within sufficient hold time?	Yes	No	
VOC samples have zero headspace?	Yes	No	Not Applicable

Other observations:

Variance Documentation:

Contact Person: _____ Date/Time: _____ Contacted by: _____
Regarding: _____

Corrective Action Taken:
