

AP - 29

ANNUAL MONITORING REPORT

YEAR(S):
2003



ENVIRONMENTAL PLUS, INC.

STATE APPROVED LAND FARM AND ENVIRONMENTAL SERVICES

Micro-Blaze

Micro-Blaze Out™

RECEIVED

June 12, 2003

JUN 17 2003

Mr. Randolph Bayliss, P.E.
New Mexico Oil Conservation Division
P.O. Box 6429
1220 S. Saint Francis Drive
Santa Fe, New Mexico 88505

OIL CONSERVATION
DIVISION

429

Subject: EOTT Energy Pipeline, Kimbrough Sweet Ref#2000-10757 "Ground Water Monitoring Report"

Dear Mr. Bayliss,

Environmental Plus, Inc. (EPI) of Eunice, New Mexico, on behalf of Mr. Frank Hernandez, District Environmental Supervisor, E.O.T.T. Energy Pipeline, submits for your review the enclosed **EOTT Energy Pipeline, Kimbrough Sweet Ref#2000-10757 "Ground Water Monitoring Report" June 12, 2003**. The enclosed two copies follow the electronic submission of June 12, 2003.

All official communication should be addressed to:

Mailing Address

Mr. Frank Hernandez
E.O.T.T. Energy Pipeline
P.O. Box 1660
Midland, Texas 79703

Physical Address

Mr. Frank Hernandez
E.O.T.T. Energy Pipeline
5805 East Highway 80
Midland, Texas 79701

If there are any questions please call Mr. Ben Miller or myself at the office or at 505.390.0288 and 505.390.7864, respectively.

Sincerely,

Pat McCasland
EPI Technical Services Manager

cc: Mr. Frank Hernandez, EOTT w/enclosure
Larry Johnson, w/enclosure
William Von Drehle, EOTT w/ enclosure
Ben Miller, EPI Vice President and General Manager
Sherry Miller, EPI President
file

ENVIRONMENTAL PLUS, INC.



GROUND WATER MONITORING REPORT

JUNE 2003

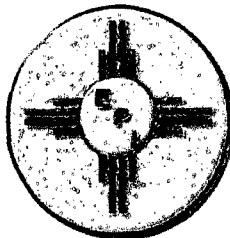
KIMBROUGH SWEET
Ref. # 2000-10757

429

SW $\frac{1}{4}$ NE $\frac{1}{4}$ Sec3, T18S, R37E,
~1.8 miles west of Humble City and
7 mile northwest of Hobbs
Lea County, New Mexico
Latitude: 32°46'48"N Longitude: 103°14'18"W

Prepared by

Environmental Plus, Inc.
P.O. Box 1558
Eunice, NM 88231
Tele 505 • 394 • 3481 FAX 505 • 394 • 2601



INTRODUCTION

The initial New Mexico Oil Conservation Division (NMOCD) notification form C-141 submitted to the NMOCD by EOTT reported an unknown volume of crude oil released with 0 barrels recovered. Soil borings at the site, delineated a crude oil contaminated soil column in excess of the NMOCD remedial goals approximately 120' in diameter centered around the leak origin extending vertically to the ground water. A 12" thickness of non-aqueous phase hydrocarbon was observed on the surface of the ground water at approximately 47'bgs in excess of 20 NMAC 6.2.3103, i.e., "Non-aqueous phase liquid shall not be present floating atop or immersed within ground water, as can be reasonably measured." Consistent with the notification requirements of 19 NMAC 15.116, the NMOCD offices in Santa Fe and Hobbs, New Mexico were notified of the impact on March 5, 2001. The sample location map, original laboratory analytical reports, data summaries, and illustrations are provided in Attachment I.

Product Recovery

Manual recovery began in October 2002. The total volume of product recovered as of May 31, 2002 was 165 gallons. Recovery is now being accomplished on a 24 hour basis with an eductor type system.

OBSERVATIONS & STATUS

Environmental Plus, Inc. has successfully installed 3 perimeter monitor wells as proposed in the Soil & Groundwater Remediation Plan July 2001. The wells have been routinely sampled and will continue to be sampled quarterly. The North, East, and South monitor wells show no signs of contamination. As of June 9, 2003 the center monitor/recovery well has a 8.30' thickness of non-aqueous phase hydrocarbon on the surface of the ground water at approximately 45.83'bgs. In the previous month the center monitor well had 8.33' thickness of non-aqueous phase hydrocarbon on the surface of the ground water. The observed reduction in thickness from May to June is small, notwithstanding, given that the well had stabilized for 48 hours, it may be significant. Recovery is now being accomplished on a 24 hour basis with an eductor type system. Future data should confirm the reduction. A site map, data summary, and original analytical reports have been attached. Additional monitor/recovery wells are to be installed, as well as the development of a ground water remediation plan.

Attachment I
Site Map



E.O.T.T. Energy
Kimbrough Sweet Ref# 2000-10757

LAT/LONG
WGS 1984

SCALE 1:1,250

MULTIPLE FILES

6/10/2003

Environmental Plus, Inc.
Trimble GPS Pathfinder



Attachment II
Monitor Well Data

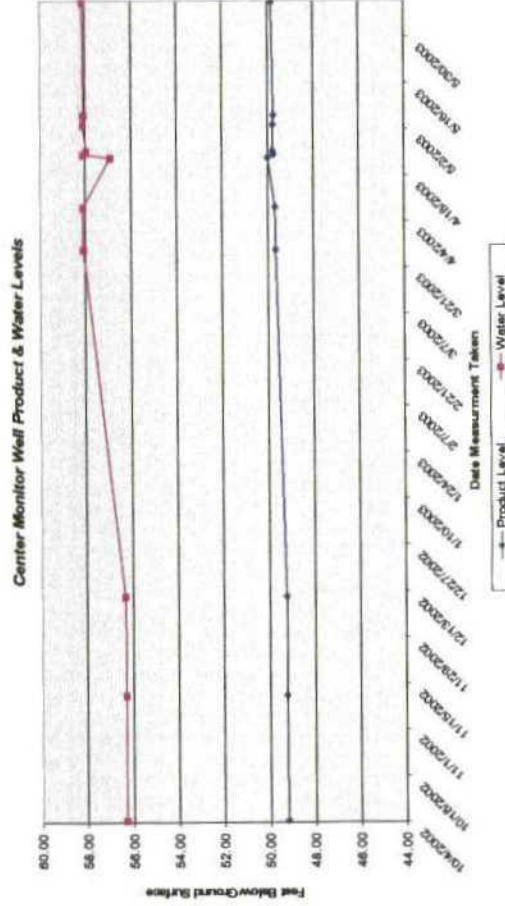
E.O.T.T. Energy
Kimbrough Sweet (Ref# 2000-10757) Monitor Well Product & Water Levels

Date	Center Monitor Well			East Monitor Well			South Monitor Well			North West Monitor Well		
	Product Level ¹	Water Level ¹	Total	Product Level ¹	Water Level ¹	Total	Product Level ¹	Water Level ¹	Total	Product Level ¹	Water Level ¹	Total
1/9/2002	49.20	53.60	4.40	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
10/4/2002	49.21	56.33	7.12	N/D	N/D	N/D	49.35	49.35	N/D	N/D	51.26	N/D
11/1/2002	49.25	56.30	7.05	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
12/1/2002	49.25	56.34	7.09	N/D	N/D	N/D	49.50	49.50	N/D	N/D	51.43	N/D
2/20/2003	49.57	56.30	6.73	N/D	N/D	N/D	49.69	49.69	N/D	N/D	51.62	N/D
3/26/2003	49.66	58.09	8.43	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
4/8/2003	49.68	58.11	8.43	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
4/23/2003	50.00	56.90	6.90	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
4/24/2003	49.75	58.10	8.35	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
4/25/2003	49.78	57.95	8.17	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
5/3/2003	49.77	58.10	8.33	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
5/6/2003	49.75	58.08	8.33	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
6/9/2003	49.83	58.13	8.30	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

¹ All measurements are Feet from the top of the monitor well casing (Monitor well casings are approximately 4' above ground surface)

N/A : Not Analyzed

N/D : None Detected



E.O.T.T. Energy
Kimborough Sweet Ref# 2000-10757

Monitor Well	Sample Date	BTEX ⁶ mg/L	Benzene mg/L	Ethylbenzene mg/L	Toluene mg/L	m/p-Xylene mg/L	o-Xylene mg/L	Chloride mg/L	Total Dissolved Solids (TDS) mg/L
South Monitor Well	1/24/2002	5	1	1	1	1	1	n/a	n/a
	3/1/2002	5	1	1	1	1	1	n/a	n/a
	10/4/2002	5	1	1	1	1	1	n/a	n/a
	12/11/2002	5	1	1	1	1	1	n/a	n/a
	2/20/2003	5	1	1	1	1	1	n/a	n/a
East Monitor Well	1/24/2002	5	1	1	1	1	1	14.2	316
	3/1/2002	5	1	1	1	1	1	n/a	n/a
	10/4/2002	5	1	1	1	1	1	n/a	n/a
	12/11/2002	5	1	1	1	1	1	n/a	n/a
	2/20/2003	5	1	1	1	1	1	n/a	n/a
North West Monitor Well	1/24/2002	5	1	1	1	1	1	31.4	6130
	3/1/2002	5	1	1	1	1	1	n/a	n/a
	10/4/2002	5	1	1	1	1	1	n/a	n/a
	12/11/2002	5	1	1	1	1	1	n/a	n/a
	2/20/2003	5	1	1	1	1	1	n/a	n/a

¹ n/a : Not Analyzed

² Bolded values are in excess of the New Mexico Oil Conservation Division guideline threshold for the parameter

³ Italicized values are < the instrument detection limit

CENTER MONITOR WELL

WELL	SAMPLE NAME	DATE TAKEN	TOTAL DISSOLVED SOLIDS MG/L	PH	PH UNITS	METALS Dig. HNO ₃	FLUORIDE MG/L	SULFATE MG/L	CALCIUM ICP MG/L	IRON ICP MG/L	MAGNESIUM ICP MG/L	MANGANESE ICP MG/L	SODIUM ICP MG/L
CENTER MONITOR WELL	EKS122101CMW	12/21/2001	557	6.9	6.9	-	6.8	58.9	88.7	10.2	17.7	<1	79.2

E.O.T.T. Energy

Kimbrough Sweet Ref# 2000-10757 Northwest Monitor Well

Parameter	Units	9/20/2001 Northwest Monitor Well	1/24/2002 Northwest Monitor Well	3/1/2002 Northwest Monitor Well	10/4/2002 Northwest Monitor Well	12/11/2002 Northwest Monitor Well	2/20/2003 Northwest Monitor Well
Acenaphthene	mg/L	<0.05	n/a	n/a	n/a	n/a	n/a
Aluminum	mg/L	0.562	n/a	n/a	n/a	n/a	n/a
Acenaphthylene	mg/L	<0.05	n/a	n/a	n/a	n/a	n/a
Anthracene	mg/L	<0.05	n/a	n/a	n/a	n/a	n/a
Arsenic (As)	mg/L	<0.05	n/a	n/a	n/a	n/a	n/a
Barium (Ba)	mg/L	0.098	n/a	n/a	n/a	n/a	n/a
Benzofluoranthene	mg/L	<0.05	n/a	n/a	n/a	n/a	n/a
Benzolanthracene	mg/L	<0.05	n/a	n/a	n/a	n/a	n/a
Benzofluoranthene	mg/L	<0.05	n/a	n/a	n/a	n/a	n/a
Benzofluoranthene	mg/L	<0.05	n/a	n/a	n/a	n/a	n/a
Benzofluoranthene	mg/L	<0.05	n/a	n/a	n/a	n/a	n/a
Cadmium (Cd)	mg/L	<0.005	n/a	n/a	n/a	n/a	n/a
Chromium (Cr)	mg/L	<0.01	n/a	n/a	n/a	n/a	n/a
Chloride	mg/L	n/a	31.400	n/a	n/a	n/a	n/a
Cobalt	mg/L	<0.02	n/a	n/a	n/a	n/a	n/a
Copper	mg/L	<0.02	n/a	n/a	n/a	n/a	n/a
Chrysene	mg/L	<0.05	n/a	n/a	n/a	n/a	n/a
Dibenzofluoranthene	mg/L	<0.05	n/a	n/a	n/a	n/a	n/a
Fluoranthene	mg/L	<0.05	n/a	n/a	n/a	n/a	n/a
Fluorene	mg/L	<0.05	n/a	n/a	n/a	n/a	n/a
Indeno[1,2,3-cd]pyrene	mg/L	<0.05	n/a	n/a	n/a	n/a	n/a
Lead (Pb)	mg/L	<0.02	n/a	n/a	n/a	n/a	n/a
Magnesium (Mg)	mg/L	0.155	n/a	n/a	n/a	n/a	n/a
Mercury (Hg)	mg/L	<0.0002	n/a	n/a	n/a	n/a	n/a
Naphthalene	mg/L	<0.05	n/a	n/a	n/a	n/a	n/a
Phenanthrene	mg/L	<0.05	n/a	n/a	n/a	n/a	n/a
Pyrene	mg/L	<0.05	n/a	n/a	n/a	n/a	n/a
Selenium (Se)	mg/L	<0.05	n/a	n/a	n/a	n/a	n/a
Silver (Ag)	mg/L	<0.002	n/a	n/a	n/a	n/a	n/a
Total Dissolved Solids (TDS)	mg/L	525	6130	n/a	n/a	n/a	n/a
TPH (DRO+GRO)	mg/L	<5	n/a	n/a	n/a	n/a	n/a
Total XYLENES	mg/L	<1	n/a	<5	n/a	n/a	n/a
Toluene	mg/L	<1	<1	<1	<1	<1	<1
o-XYLENE	mg/L	<1	<1	<1	<1	<1	<1
Ethyl Benzene	mg/L	<1	<1	<1	<1	<1	<1
BTEX ⁴	mg/L	<1	<1	<1	<1	<1	<1
m, p-XYLENE	mg/L	<1	<1	<1	<1	<1	<1
Benzene	mg/L	<1	<1	<1	<1	<1	<1

¹TPH - Total Petroleum Hydrocarbon

²GRO - Gasoline Range Organics C₆-C₁₀

³DRO - Diesel Range Organics C₁₀-C₂₈

⁴BTEX - Sum of Benzene, Toluene, Ethyl Benzene, and Total Xylene.

⁵WQCC - Water Quality Control Commission

⁶n/a Not Analyzed

Attachment III
Analytical Reports



4221 Freidrich Lane, Suite 190, Austin, TX 78744 &
 2209 N. Padre Island Dr., Corpus Christi, TX 78408
 (512) 444-5896 FAX (512) 447-4766

Client: Environmental Plus, Inc.
Attn: Pat McCasland
Address: 1324 M.St Po Box
 Eunice NM 88231
Phone: (505) 394-3481 **FAX:** (505) 394-2601

Report#/Lab ID#: 119065 **Report Date:** 09/20/01
Project ID: 2000-10757
Sample Name: EKS9601MW#1 NORTHWEST
Sample Matrix: water
Date Received: 09/07/2001 **Time:** 12:16
Date Sampled: 09/06/2001 **Time:** 09:00

PRELIMINARY REPORT OF ANALYSIS

Parameter	Result	Units	RQL ¹	Blank	Date	Method
A/BN extraction-PAH	---	---	---	---	09/10/01	3520
Metals Dig.-Hg	---	---	---	---	09/17/01	7470&245.1
Metals Dig.-HNO3	---	---	---	---	09/10/01	3015
Total dissolved solids	525	mg/L	1	<1	09/12/01	160.1
TPH by GC (TNRCC-ext)	---	---	---	---	09/12/01	TX 1005
Aluminum/ICP	0.562	mg/L	0.2	<0.2	09/13/01	6010 & 200.7
Arsenic/ICP	<0.05	mg/L	0.05	<0.05	09/13/01	6010 & 200.7
Barium/ICP	0.0984	mg/L	0.01	<0.01	09/13/01	6010 & 200.7
Boron/ICP	0.147	mg/L	0.02	<0.02	09/13/01	6010 & 200.7
Cadmium/ICP	<0.005	mg/L	0.005	<0.005	09/13/01	6010 & 200.7
Chromium/ICP	<0.01	mg/L	0.01	<0.01	09/13/01	6010 & 200.7
Cobalt/ICP	<0.02	mg/L	0.02	<0.02	09/13/01	6010 & 200.7
Copper/ICP	<0.02	mg/L	0.02	<0.02	09/13/01	6010 & 200.7
Iron/ICP	1.09	mg/L	0.05	<0.05	09/13/01	6010 & 200.7
Lead/ICP	<0.02	mg/L	0.02	<0.02	09/13/01	6010 & 200.7
Manganese/ICP	0.155	mg/L	0.01	<0.01	09/13/01	6010 & 200.7
Mercury/CVAA	<0.0002	mg/L	0.0002	<0.0002	09/18/01	245.1&7470
Molybdenum/ICP	<0.02	mg/L	0.02	<0.02	09/13/01	6010 & 200.7
Nickel/ICP	<0.02	mg/L	0.02	<0.02	09/13/01	6010 & 200.7
Selenium/ICP	<0.05	mg/L	0.05	<0.05	09/13/01	6010 & 200.7
Silver/GFAA	<0.002	mg/L	0.002	<0.002	09/12/01	272.2&7761
Zinc/ICP	0.0115	mg/L	0.01	<0.01	09/13/01	6010 & 200.7
Extractable organics-PAH	---	---	---	---	09/12/01	8270c
TPH by GC-TX 1005	---	---	---	---	09/11/01	TX 1005
Volatile organics-8260b/BTEX	---	---	---	---	09/19/01	8260b
Benzene	<1	µg/L	1	<1	09/19/01	8260b
Ethylbenzene	<1	µg/L	1	<1	09/19/01	8260b
m,p-Xylenes	<1	µg/L	1	<1	09/19/01	8260b
o-Xylene	<1	µg/L	1	<1	09/19/01	8260b
Toluene	<1	µg/L	1	<1	09/19/01	8260b
Acenaphthene	<0.05	µg/L	0.05	<0.05	09/12/01	8270c
Acenaphthylene	<0.05	µg/L	0.05	<0.05	09/12/01	8270c
Anthracene	<0.05	µg/L	0.05	<0.05	09/12/01	8270c
Benzo[a]anthracene	<0.05	µg/L	0.05	<0.05	09/12/01	8270c

1. Reporting Quantitation Limit (RQL); typically at or above the Practical Quantitation Limit (PQL) of the analytical method.

This preliminary analytical report is respectfully submitted by AnalySys, Inc. The enclosed data may not have received final review for full compliance with AnalySys, Inc.'s QA/QC program or for completeness. Although the reported results contained herein are believed to be correct, based upon initial data review, final QA/QC review may result in results different from those reported herein. © Copyright 2000, AnalySys, Inc., Austin, TX. All rights reserved. No part of this publication may be reproduced or transmitted in any form or by any means without the express written consent of AnalySys, Inc.

Respectfully Submitted,

Richard Laster

Richard Laster

ANALYSYS
INC.4221 Freidrich Lane, Suite 190, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 444-5896 FAX (512) 447-4766

Client: Environmental Plus, Inc.
Attn: Pat McCasland
Address: 1324 M.St Po Box
 Eunice NM 88231
Phone: (505) 394-3481 **FAX:** (505) 394-2601

Report#/Lab ID#: 119065 **Report Date:** 09/20/01
Project ID: 2000-10757
Sample Name: EKS9601MW#1 NORTH WEST
Sample Matrix: water
Date Received: 09/07/2001 **Time:** 12:16
Date Sampled: 09/06/2001 **Time:** 09:00

PRELIMINARY REPORT OF ANALYSIS

Parameter	Result	Units	RQL ¹	Blank	Date	Method
Benzo[a]pyrene	<0.05	µg/L	0.05	<0.05	09/12/01	8270c
Benzo[b]fluoranthene	<0.05	µg/L	0.05	<0.05	09/12/01	8270c
Benzo[g,h,i]perylene	<0.05	µg/L	0.05	<0.05	09/12/01	8270c
Benzo[j,k]fluoranthene	<0.05	µg/L	0.05	<0.05	09/12/01	8270c
Chrysene	<0.05	µg/L	0.05	<0.05	09/12/01	8270c
Dibenz[a,h]anthracene	<0.05	µg/L	0.05	<0.05	09/12/01	8270c
Fluoranthene	<0.05	µg/L	0.05	<0.05	09/12/01	8270c
Fluorene	<0.05	µg/L	0.05	<0.05	09/12/01	8270c
Indeno[1,2,3-cd]pyrene	<0.05	µg/L	0.05	<0.05	09/12/01	8270c
Naphthalene	<0.05	µg/L	0.05	<0.05	09/12/01	8270c
Phenanthrene	<0.05	µg/L	0.05	<0.05	09/12/01	8270c
Pyrene	<0.05	µg/L	0.05	<0.05	09/12/01	8270c
TPH by GC (>C12-C28)	<5	mg/L	5	<5	09/11/01	TX 1005
TPH by GC (C6-C12)	<5	mg/L	5	<5	09/11/01	TX 1005
TPH by GC (C6-C28)	<5	mg/L	5	<5	09/11/01	TX 1005

1. Reporting Quantitation Limit (RQL): typically at or above the Practical Quantitation Limit (PQL) of the analytical method.

This preliminary analytical report is respectfully submitted by AnalySys, Inc. The enclosed data may not have received final review for full compliance with AnalySys, Inc.'s QA/QC program or for completeness. Although the reported results contained herein are believed to be correct, based upon initial data review, final QA/QC review may result in results different from those reported herein. © Copyright 2000, AnalySys, Inc., Austin, TX. All rights reserved. No part of this publication may be reproduced or transmitted in any form or by any means without the express written consent of AnalySys, Inc.

Respectfully Submitted,

Richard Laster
 Richard Laster

Client: Environmental Plus, Inc.
Attn: Pat McCasland
Address: 1324 M.St Po Box
Eunice NM 88231
Phone: (505) 394-3481 FAX: (505) 394-2601

Report#/Lab ID#: 125088 Report Date: 01/31/02
Project ID: Kimbrough Sweet 2000-10757
Sample Name: WEKS12402NNWMW
Sample Matrix: water
Date Received: 01/25/2002 Time: 10:58
Date Sampled: 01/24/2002 Time: 08:02

REPORT OF ANALYSIS

QUALITY ASSURANCE DATA¹

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---	---	---	---	01/31/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	01/31/02	8260b	---	0.2	97.9	92.6	90.9
Ethylbenzene	<1	µg/L	1	<1	01/31/02	8260b	---	10.1	109.2	101.2	105.8
m,p-Xylenes	<1	µg/L	1	<1	01/31/02	8260b	J	10.1	118.2	109.9	114.5
o-Xylene	<1	µg/L	1	<1	01/31/02	8260b	---	5.3	105.6	99.7	105.8
Toluene	<1	µg/L	1	<1	01/31/02	8260b	---	18.1	116.1	91.1	106.1

This analytical report is respectfully submitted by AnalySys, Inc. The enclosed results have been carefully reviewed and, to the best of my knowledge, the analytical results are consistent with AnalySys, Inc.'s Quality Assurance/Quality Control Program. © Copyright 2000, AnalySys, Inc., Austin, TX. All rights reserved. No part of this publication may be reproduced or transmitted in any form or by any means without the express written consent of AnalySys, Inc.

Respectfully Submitted,

Richard Laster

Richard Laster

1. Quality assurance data is for the sample batch which included this sample. 2. Precision (PREC) is the absolute value of the relative percent (%) difference between duplicate measurements. 3. Recovery (Recov.) is the percent (%) of analyte recovered from a spiked sample. 4. Calibration Verification (CCV) and Laboratory Control Sample (LCS) results are expressed as the percent (%) recovery of analyte from a known standard or matrix. 5. Reporting Quantitation Limits (RQL), typically at or above the Practical Quantitation Limit (PQL) of the analytical method. 6. Method numbers typically denote USEPA procedures. Less than ("<") values reflect nominal quantitation limits adjusted for any required dilutions. 7. Data Qualifiers are J = analyte potentially present between the PQL and the MDL. B = Analyte detected in associated method blank(s). S1 = MS and/or MSD recovery exceed advisory limits. S2 = Post digestion spike (PDS) recovery exceeds advisory limit. S3 = MS and/or MSD and PDS recoveries exceed advisory limits. P = Precision higher than advisory limit. M = Matrix interference.



4221 Freidrich Lane, Suite 190, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 444-5896 • FAX (512) 447-4766

Client: Environmental Plus, Inc.

Attn: Pat McCasland

Address: 1324 M.St Po Box

Eunice

NM 88231

Phone: (505) 394-3481 FAX: (505) 394-2601

Report#/Lab ID#: 125087 Report Date: 01/31/02

Project ID: Kimbrough Sweet 2000-10757

Sample Name: WEKS12402NWMW

Sample Matrix: water

Date Received: 01/25/2002 Time: 10:58

Date Sampled: 01/24/2002 Time: 08:00

REPORT OF ANALYSIS

Parameter	Result	Units
Total dissolved solids	6130	mg/L
Chloride	31.4	mg/L

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Respectfully Submitted,

Richard Laster

Richard Laster

QUALITY ASSURANCE DATA¹

Parameter	Method ⁶	Date	Blank	RQL ⁵	Units	Result	QC ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Total dissolved solids	160.1	01/28/02	<1	1	mg/L	6130	---	6.07	-NA-	-NA-	-NA-
Chloride	325.2&9251	01/28/02	<2.5	2.5	mg/L	31.4	---	1.35	98.7	108.01	96.84

1. Quality assurance data is for the sample batch which included this sample. 2. Precision (PREC) is the absolute value of the relative percent (%) difference between duplicate measurements. 3. Recovery (Recov.) is the percent (%) of analyte recovered from a spiked sample. 4. Calibration Verification (CCV) and Laboratory Control Sample (LCS) results are expressed as the percent (%) recovery of analyte from a known standard or matrix. 5. Reporting Quantitation Limits (RQL), typically at or above the Practical Quantitation Limit (PQL) of the analytical method. 6. Method numbers typically denote USEPA procedures. Less than ("<") values reflect nominal quantitation limits adjusted for any required dilutions. 7. Data Qualifiers are J = analyte potentially present between the PQL and the MDL. B = Analyte detected in associated method blank(s). S1 = MS and/or MSD recovery exceed advisory limits. S2 = Post digestion spike (PDS) recovery exceeds advisory limit. S3 = MS and/or MSD and PDS recoveries exceed advisory limits. P = Precision higher than advisory limit. M = Matrix interference.



4221 Freidrich Lane, Suite 190, Austin, TX 78744 &
 2209 N. Padre Island Dr., Corpus Christi, TX 78408
 (512) 444-5896 FAX (512) 447-4766

Client: Environmental Plus, Inc.
 Attn: Pat McCasland
 Address: 1324 M.St Po Box
 Eunice NM 88231
 Phone: (505) 394-3481 FAX: (505) 394-2601

Report#/Lab ID#: 119066 Report Date: 09/20/01
 Project ID: 2000-10757
 Sample Name: EKS9601MW#2 EAST
 Sample Matrix: water
 Date Received: 09/07/2001 Time: 12:16
 Date Sampled: 09/06/2001 Time: 10:00

PRELIMINARY REPORT OF ANALYSIS

Parameter	Result	Units	RQL ¹	Blank	Date	Method
A/BN extraction-PAH	---	---	---	---	09/10/01	3520
Metals Dig.-Hg	---	---	---	---	09/17/01	7470&245.1
Metals Dig.-HNO3	---	---	---	---	09/10/01	3015
Total dissolved solids	339	mg/L	1	<1	09/12/01	160.1
TPH by GC (TNRCC-ext)	---	---	---	---	09/12/01	TX 1005
Aluminum/ICP	0.344	mg/L	0.2	<0.2	09/13/01	6010 & 200.7
Arsenic/ICP	<0.05	mg/L	0.05	<0.05	09/13/01	6010 & 200.7
Barium/ICP	0.122	mg/L	0.01	<0.01	09/13/01	6010 & 200.7
Boron/ICP	0.172	mg/L	0.02	<0.02	09/13/01	6010 & 200.7
Cadmium/ICP	<0.005	mg/L	0.005	<0.005	09/13/01	6010 & 200.7
Chromium/ICP	<0.01	mg/L	0.01	<0.01	09/13/01	6010 & 200.7
Cobalt/ICP	<0.02	mg/L	0.02	<0.02	09/13/01	6010 & 200.7
Copper/ICP	<0.02	mg/L	0.02	<0.02	09/13/01	6010 & 200.7
Iron/ICP	0.794	mg/L	0.05	<0.05	09/13/01	6010 & 200.7
Lead/ICP	<0.02	mg/L	0.02	<0.02	09/13/01	6010 & 200.7
Manganese/ICP	0.23	mg/L	0.01	<0.01	09/13/01	6010 & 200.7
Mercury/CVAA	<0.0002	mg/L	0.0002	<0.0002	09/18/01	245.1&7470
Molybdenum/ICP	<0.02	mg/L	0.02	<0.02	09/13/01	6010 & 200.7
Nickel/ICP	<0.02	mg/L	0.02	<0.02	09/13/01	6010 & 200.7
Selenium/ICP	<0.05	mg/L	0.05	<0.05	09/13/01	6010 & 200.7
Silver/GFAA	<0.002	mg/L	0.002	<0.002	09/12/01	272.2&7761
Zinc/ICP	<0.01	mg/L	0.01	<0.01	09/13/01	6010 & 200.7
Extractable organics-PAH	---	---	---	---	09/12/01	8270c
TPH by GC-TX 1005	---	---	---	---	09/11/01	TX 1005
Volatile organics-8260b/BTEX	---	---	---	---	09/19/01	8260b
Benzene	<1	µg/L	1	<1	09/19/01	8260b
Ethylbenzene	<1	µg/L	1	<1	09/19/01	8260b
m,p-Xylenes	<1	µg/L	1	<1	09/19/01	8260b
o-Xylene	<1	µg/L	1	<1	09/19/01	8260b
Toluene	<1	µg/L	1	<1	09/19/01	8260b
Acenaphthene	<0.05	µg/L	0.05	<0.05	09/12/01	8270c
Acenaphthylene	<0.05	µg/L	0.05	<0.05	09/12/01	8270c
Anthracene	<0.05	µg/L	0.05	<0.05	09/12/01	8270c
Benzo[a]anthracene	<0.05	µg/L	0.05	<0.05	09/12/01	8270c

1. Reporting Quantitation Limit (RQL): typically at or above the Practical Quantitation Limit (PQL) of the analytical method.

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Respectfully Submitted,

Richard Laster

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4221 Freidrich Lane, Suite 190, Austin, TX 78744 &
 2209 N. Padre Island Dr., Corpus Christi, TX 78408
 (512) 444-5896 FAX (512) 447-4766

Client: Environmental Plus, Inc.
Attn: Pat McCasland
Address: 1324 M.St Po Box
 Eunice NM 88231
Phone: (505) 394-3481 **FAX:** (505) 394-2601

Report#/Lab ID#: 119066 **Report Date:** 09/20/01
Project ID: 2000-10757
Sample Name: EKS9601MW#2 EAST
Sample Matrix: water
Date Received: 09/07/2001 **Time:** 12:16
Date Sampled: 09/06/2001 **Time:** 10:00

PRELIMINARY REPORT OF ANALYSIS

Parameter	Result	Units	RQL ¹	Blank	Date	Method
Benzo[a]pyrene	<0.05	µg/L	0.05	<0.05	09/12/01	8270c
Benzo[b]fluoranthene	<0.05	µg/L	0.05	<0.05	09/12/01	8270c
Benzo[g,h,i]perylene	<0.05	µg/L	0.05	<0.05	09/12/01	8270c
Benzo[j,k]fluoranthene	<0.05	µg/L	0.05	<0.05	09/12/01	8270c
Chrysene	<0.05	µg/L	0.05	<0.05	09/12/01	8270c
Dibenz[a,h]anthracene	<0.05	µg/L	0.05	<0.05	09/12/01	8270c
Fluoranthene	<0.05	µg/L	0.05	<0.05	09/12/01	8270c
Fluorene	<0.05	µg/L	0.05	<0.05	09/12/01	8270c
Indeno[1,2,3-cd]pyrene	<0.05	µg/L	0.05	<0.05	09/12/01	8270c
Naphthalene	<0.05	µg/L	0.05	<0.05	09/12/01	8270c
Phenanthrene	<0.05	µg/L	0.05	<0.05	09/12/01	8270c
Pyrene	<0.05	µg/L	0.05	<0.05	09/12/01	8270c
TPH by GC (>C12-C28)	<5	mg/L	5	<5	09/11/01	TX 1005
TPH by GC (C6-C12)	<5	mg/L	5	<5	09/11/01	TX 1005
TPH by GC (C6-C28)	<5	mg/L	5	<5	09/11/01	TX 1005

1. Reporting Quantitation Limit (RQL); typically at or above the Practical Quantitation Limit (PQL) of the analytical method.

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4221 Freidrich Lane, Suite 190, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 444-5896 • FAX (512) 447-4766

Client: Environmental Plus, Inc.
Attn: Pat McCasland
Address: 1324 M.St Po Box
Eumice NM 88231
Phone: (505) 394-3481 FAX: (505) 394-2601

Report#/Lab ID#: 125091 Report Date: 01/31/02
Project ID: Kimbrough Sweet 2000-10757
Sample Name: WEKS12402EMW
Sample Matrix: water
Date Received: 01/25/2002 Time: 10:58
Date Sampled: 01/24/2002 Time: 09:02

REPORT OF ANALYSIS

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX	---		---		01/31/02	8260b	---	---	---	---	---
Benzene	<1	µg/L	1	<1	01/31/02	8260b	---	0.2	97.9	92.6	90.9
Ethylbenzene	<1	µg/L	1	<1	01/31/02	8260b	---	10.1	109.2	101.2	105.8
m,p-Xylenes	<1	µg/L	1	<1	01/31/02	8260b	---	10.1	118.2	109.9	114.5
o-Xylene	<1	µg/L	1	<1	01/31/02	8260b	---	5.3	105.6	99.7	105.8
Toluene	<1	µg/L	1	<1	01/31/02	8260b	---	18.1	116.1	91.1	106.1

QUALITY ASSURANCE DATA¹

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4221 Freidrich Lane, Suite 190, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 444-5896 • FAX (512) 447-4766

Client: Environmental Plus, Inc.
Attn: Pat McCasland
Address: 1324 M.St Po Box
Eunice NM 88231
Phone: (505) 394-3481 **FAX:** (505) 394-2601

Report#/Lab ID#: 125090 **Report Date:** 01/31/02
Project ID: Kimbrough Sweet 2000-10757
Sample Name: WEKS12402EMW
Sample Matrix: water
Date Received: 01/25/2002 **Time:** 10:58
Date Sampled: 01/24/2002 **Time:** 09:00

REPORT OF ANALYSIS

Parameter	Result	Units
Total dissolved solids	316	mg/L
Chloride	14.2	mg/L

QUALITY ASSURANCE DATA¹

Method ⁶	Date	Blank	RQL ⁵	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
160.1	01/28/02	<1	1	---	6.07	-NA-	-NA-	-NA-
325.2&9251	01/28/02	<2.5	2.5	---	1.35	98.7	108.01	96.84

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4221 Freidrich Lane, Suite 190, Austin, TX 78744 &
2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 444-5896 FAX (512) 447-4766

Client: Environmental Plus, Inc.
Attn: Pat McCasland
Address: 1324 M.St Po Box
Eunice NM 88231
Phone: (505) 394-3481 FAX: (505) 394-2601

Report#/Lab ID#: 119067 Report Date: 09/20/01
Project ID: 2000-10757
Sample Name: EKS9601MW#3 SUTM
Sample Matrix: water
Date Received: 09/07/2001 Time: 12:16
Date Sampled: 09/06/2001 Time: 11:00

PRELIMINARY REPORT OF ANALYSIS

Parameter	Result	Units	RQL ¹	Blank	Date	Method
A/BN extraction-PAH	---	---	---	---	09/10/01	3520
Metals Dig.-Hg	---	---	---	---	09/17/01	7470&245.1
Metals Dig.-HNO ₃	---	---	---	---	09/10/01	3015
Total dissolved solids	347	mg/L	1	<1	09/12/01	160.1
TPH by GC (TNRCC-ext)	---	---	---	---	09/12/01	TX 1005
Aluminum/ICP	<0.2	mg/L	0.2	<0.2	09/13/01	6010 & 200.7
Arsenic/ICP	<0.05	mg/L	0.05	<0.05	09/13/01	6010 & 200.7
Barium/ICP	0.33	mg/L	0.01	<0.01	09/13/01	6010 & 200.7
Boron/ICP	0.167	mg/L	0.02	<0.02	09/13/01	6010 & 200.7
Cadmium/ICP	<0.005	mg/L	0.005	<0.005	09/13/01	6010 & 200.7
Chromium/ICP	<0.01	mg/L	0.01	<0.01	09/13/01	6010 & 200.7
Cobalt/ICP	<0.02	mg/L	0.02	<0.02	09/13/01	6010 & 200.7
Copper/ICP	<0.02	mg/L	0.02	<0.02	09/13/01	6010 & 200.7
Iron/ICP	0.168	mg/L	0.05	<0.05	09/13/01	6010 & 200.7
Lead/ICP	<0.02	mg/L	0.02	<0.02	09/13/01	6010 & 200.7
Manganese/ICP	0.496	mg/L	0.01	<0.01	09/13/01	6010 & 200.7
Mercury/CVAA	<0.0002	mg/L	0.0002	<0.0002	09/18/01	245.1&7470
Molybdenum/ICP	<0.02	mg/L	0.02	<0.02	09/13/01	6010 & 200.7
Nickel/ICP	<0.02	mg/L	0.02	<0.02	09/13/01	6010 & 200.7
Selenium/ICP	<0.05	mg/L	0.05	<0.05	09/13/01	6010 & 200.7
Silver/GFAA	<0.002	mg/L	0.002	<0.002	09/12/01	272.2&7761
Zinc/ICP	<0.01	mg/L	0.01	<0.01	09/13/01	6010 & 200.7
Extractable organics-PAH	---	---	---	---	09/12/01	8270c
TPH by GC-TX 1005	---	---	---	---	09/11/01	TX 1005
Volatile organics-8260b/BTEX	---	---	---	---	09/19/01	8260b
Benzene	<1	µg/L	1	<1	09/19/01	8260b
Ethylbenzene	<1	µg/L	1	<1	09/19/01	8260b
m,p-Xylenes	<1	µg/L	1	<1	09/19/01	8260b
o-Xylene	<1	µg/L	1	<1	09/19/01	8260b
Toluene	<1	µg/L	1	<1	09/19/01	8260b
Acenaphthene	<0.05	µg/L	0.05	<0.05	09/12/01	8270c
Acenaphthylene	<0.05	µg/L	0.05	<0.05	09/12/01	8270c
Anthracene	<0.05	µg/L	0.05	<0.05	09/12/01	8270c
Benzo[a]anthracene	<0.05	µg/L	0.05	<0.05	09/12/01	8270c

1. Reporting Quantitation Limit (RQL): typically at or above the Practical Quantitation Limit (PQL) of the analytical method.

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 2209 N. Padre and Dr., Corpus Christi, TX 78408
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 Attn: Pat McCasland
 Address: 1324 M.St Po Box
 Eunice NM 88231
 Phone: (505) 394-3481 FAX: (505) 394-2601

Report#/Lab ID#: 119067 Report Date: 09/20/01
 Project ID: 2000-10757
 Sample Name: EKS9601MW#3 SOUTH
 Sample Matrix: water
 Date Received: 09/07/2001 Time: 12:16
 Date Sampled: 09/06/2001 Time: 11:00

PRELIMINARY REPORT OF ANALYSIS

Parameter	Result	Units	RQL ¹	Blank	Date	Method
Benzo[a]pyrene	<0.05	µg/L	0.05	<0.05	09/12/01	8270c
Benzo[b]fluoranthene	<0.05	µg/L	0.05	<0.05	09/12/01	8270c
Benzo[g,h,i]perylene	<0.05	µg/L	0.05	<0.05	09/12/01	8270c
Benzo[j,k]fluoranthene	<0.05	µg/L	0.05	<0.05	09/12/01	8270c
Chrysene	<0.05	µg/L	0.05	<0.05	09/12/01	8270c
Dibenz[a,h]anthracene	<0.05	µg/L	0.05	<0.05	09/12/01	8270c
Fluoranthene	<0.05	µg/L	0.05	<0.05	09/12/01	8270c
Fluorene	<0.05	µg/L	0.05	<0.05	09/12/01	8270c
Indeno[1,2,3-cd]pyrene	<0.05	µg/L	0.05	<0.05	09/12/01	8270c
Naphthalene	<0.05	µg/L	0.05	<0.05	09/12/01	8270c
Phenanthrene	<0.05	µg/L	0.05	<0.05	09/12/01	8270c
Pyrene	<0.05	µg/L	0.05	<0.05	09/12/01	8270c
TPH by GC (>C12-C28)	<5	mg/L	5	<5	09/11/01	TX 1005
TPH by GC (C6-C12)	<5	mg/L	5	<5	09/11/01	TX 1005
TPH by GC (C6-C28)	<5	mg/L	5	<5	09/11/01	TX 1005

1. Reporting Quantitation Limit (RQL); typically at or above the Practical Quantitation Limit (PQL) of the analytical method.

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2209 N. Padre Island Dr., Corpus Christi, TX 78408
(512) 444-5896 • FAX (512) 447-4766

Client: Environmental Plus, Inc.
Attn: Pat McCasland
Address: 1324 M.St Po Box
Eunice NM 88231
Phone: (505) 394-3481 **FAX:** (505) 394-2601

Report#/Lab ID#: 125089 **Report Date:** 01/31/02
Project ID: Kimbrough Sweet 2000-10757
Sample Name: WEKS12402SMW
Sample Matrix: water
Date Received: 01/25/2002 **Time:** 10:58
Date Sampled: 01/24/2002 **Time:** 08:23

REPORT OF ANALYSIS

Parameter	Result	Units	RQL ⁵	Blank	Date	Method ⁶	Data Qual ⁷	Prec. ²	Recov. ³	CCV ⁴	LCS ⁴
Volatile organics-8260b/BTEX											
Benzene	<1	µg/L	1	<1	01/31/02	8260b	---	---	---	---	---
Ethylbenzene	<1	µg/L	1	<1	01/31/02	8260b	---	0.2	97.9	92.6	90.9
m,p-Xylenes	<1	µg/L	1	<1	01/31/02	8260b	---	10.1	109.2	101.2	105.8
o-Xylene	<1	µg/L	1	<1	01/31/02	8260b	---	10.1	118.2	109.9	114.5
Toluene	<1	µg/L	1	<1	01/31/02	8260b	---	5.3	105.6	99.7	105.8
					01/31/02	8260b	---	18.1	116.1	91.1	106.1

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