

1R - 496

REPORTS

DATE:

6-16-08

Hansen, Edward J., EMNRD

From: VonGonten, Glenn, EMNRD
Sent: Monday, August 04, 2008 8:50 AM
To: Hansen, Edward J., EMNRD
Subject: FW: Paladin S. Vacuum SWD Line
Attachments: Site Invesitgation.doc; Analytical Results BH.pdf; Analytical Results Monitor Well Soil.pdf; Analytical Results Water.pdf

Ed,

This makes a pair.

*Glenn von Gonten
Senior Hydrologist
Environmental Bureau
Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, NM 87505
505-476-3488
fax -476-3462
glenn.vongonten@state.nm.us*

From: Price, Wayne, EMNRD
Sent: Tuesday, July 15, 2008 4:04 PM
To: VonGonten, Glenn, EMNRD
Subject: FW: Paladin S. Vacuum SWD Line

Assign this to one of your hired help! Make sure it's logged in

From: Jerri Lee [mailto:office@sesi-nm.com]
Sent: Friday, June 20, 2008 2:20 PM
To: Price, Wayne, EMNRD; Johnson, Larry, EMNRD
Subject: Paladin S. Vacuum SWD Line

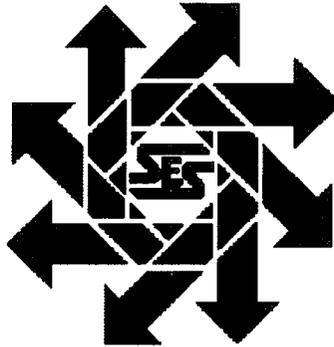
Attached please find the Paladin S. Vacuum SWD Line Site Investigation. We found groundwater contamination at this site.

This inbound email has been scanned by the MessageLabs Email Security System.

9/19/2008

**Paladin Energy Corporation
S. Vacuum SWD Line
Site Investigation
Unit D, Section 35, Township 18S, Range 35E
Lea County, New Mexico**

June 16, 2008



Prepared for:

**Paladin Energy Corporation
4006 Dunkirk
Midland, Texas 79707**

By:

***Safety & Environmental Solutions, Inc.
703 E. Clinton
Hobbs, New Mexico 88240
(575) 397-0510***

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I. Company Contacts

Sergio Contreras 505-397-0510 scontreras@sesi-nm.com
Mickey Horn 432-522-2162 paladinmid@cox.net

II. Background

SESI was contracted to perform a site investigation at the S. Vacuum SWD Line. On February 28, 2008 a representative of DCPM notified Paladin that while remediating a leak at the DCPM's Eddy County Loop (COP line #12200), it was discovered that there was some soil, contaminated with chlorides, from Paladins' SWD line the crosses the DCPMs' line in the area.

II. Surface and Ground Water

A Monitor well was installed at this site and the depth of groundwater on June 6, 2008 was 61.42'.

III. Soils

The soils in the area are predominantly sand and sandy loam.

IV. Work Performed

On May 1, 2008 SESI was onsite to sample the walls and bottom of the existing excavation. The size of the excavation was approximately 125' X 70' and ranged in depth from 8' to 18'. Grab samples were retrieved from the walls and bottom of the excavation. Field Chloride analysis was performed on all the samples, the results were as follows:

Sample ID	Cl ⁻ mg/kg
NW #1	124
NW #2	3264
NW #3	2260
EW #1	7636
EW #2	12304
EW #3	5540
EW #4	652

Sample ID	Cl ⁻ mg/kg
EW#5	2196
EW#6	14124
EW#7	3588
EW#8	6012
EW#9	1132
SW #1	<124
SW #2	132

Sample ID	Cl ⁻ mg/kg
SW #3	188
#1 14'	7056
#2 8'	1132
#3 18'	8940
#4 16'	972

Drilling of Boreholes

Five boreholes were installed at the location. Grab samples were retrieved every 5'. Field analysis for chlorides were performed on all the samples. The bottom hole samples were transported under Chain of Custody to Argon Laboratories of Hobbs, New Mexico for analysis. The samples were analyzed for Chlorides (Cl⁻) (EPA Method 300.0).

The results of the analysis were as follows:

Sample ID	Field Cl ⁻ mg/kg	Laboratory Cl ⁻ mg/kg
BH #1 5'	<132	
BH #1 10'	1416	
BH #1 15'	4224	1400
BH #2 5'	<132	
BH #2 10'	600	510
BH #3 10'	<132	ND
BH #4 5'	<132	
BH #4 10'	<132	ND
BH #5 27'	244	
BH #5 32'	1416	
BH #5 37'	1220	
BH #5 42'	1132	
BH #5 47'	972	1000

Temporary Monitor Well Installation

On May 14, 2008 SESI was onsite to install a monitor well. The well was drilled to a depth of 50'. Samples were retrieved every 5' and field analysis for chlorides were performed on all samples. The bottom hole sample was transported under Chain of Custody to Argon Laboratories for analysis. The results of the analysis were as follows:

Sample ID	Field Cl ⁻ mg/kg	Laboratory Cl ⁻ mg/kg
MW #1 5'	<132	
MW #1 10'	<132	
MW #1 15'	<132	
MW #1 20'	<132	
MW #1 25'	216	
MW #1 30'	276	
MW #1 35'	244	
MW #1 40'	308	
MW #1 45'	504	
MW #1 50'	504	460

Due to sand the monitor well was not completed on this date. This well was plugged back to surface with bentonite.

On June 6, 2008 SESI was onsite to install Monitor Well #2. This well was drilled to a depth of 80'. A grab sample was retrieved at 60' and transported under Chain of Custody to Argon Laboratories for analysis.

The results of the analysis were as follows:

Sample ID	Laboratory Cl ⁻ mg/kg
TMW-2 60'	980

The well was completed, developed and a water sample was retrieved upon completion.

On June 10, 2008 SESI was back onsite to retrieve another sample from the well. The samples were transported under Chain of Custody to Argon Laboratories for analysis. Both samples were analyzed for Chlorides (EPA Method 300.0) the second sample was additionally analyzed for Total Dissolved Solids (TDS) (EPA Method 160.1 and Benzene, Toluene, Ethylbenzene, and Xylenes (BTEX) (EPA Method 8021B).

The results of the analysis were as follows:

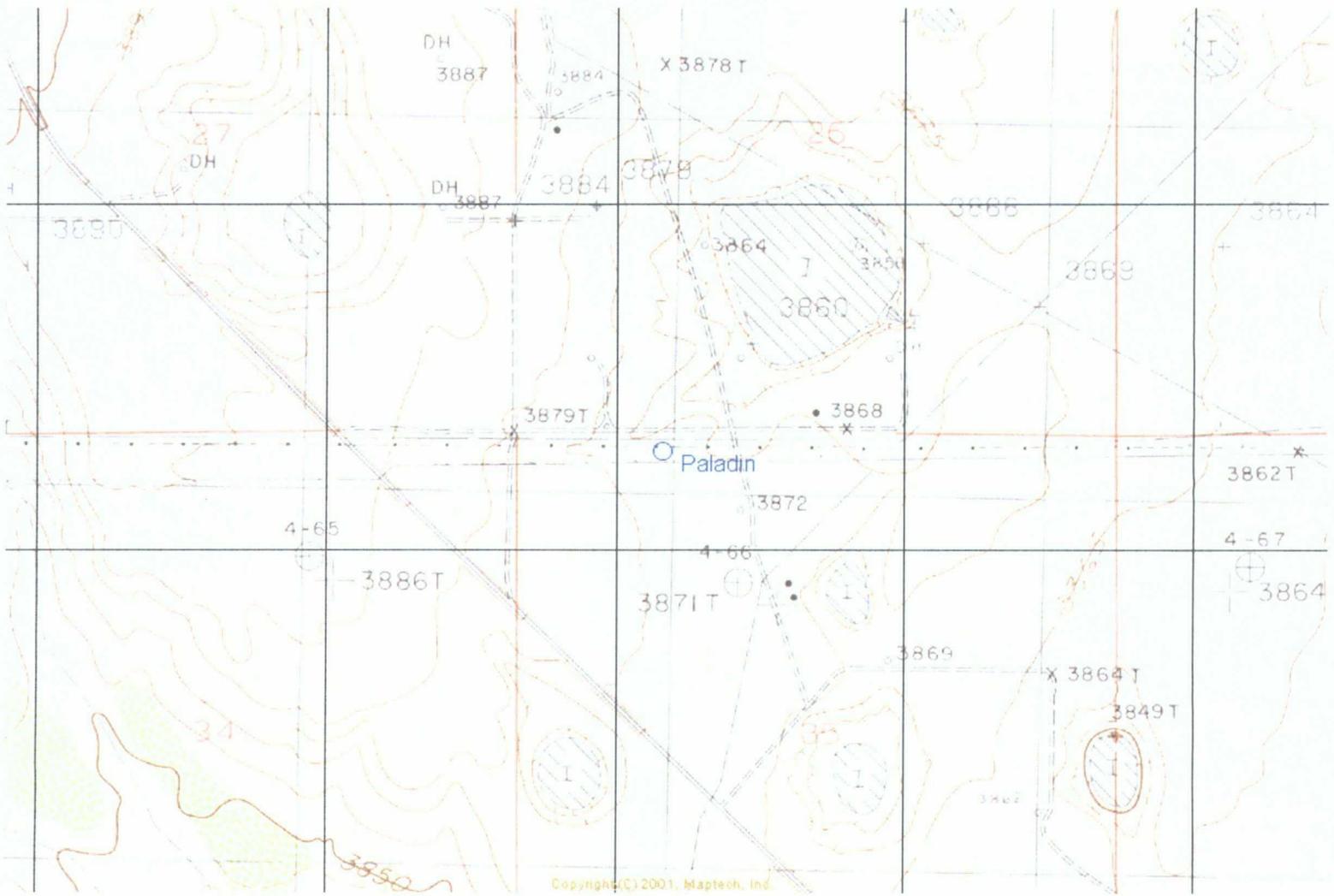
Sample ID	Cl ⁻ mg/L	TDS mg/L
TMW2	480	
TMW2	570	2000

BTEX was not detected in the water sample.

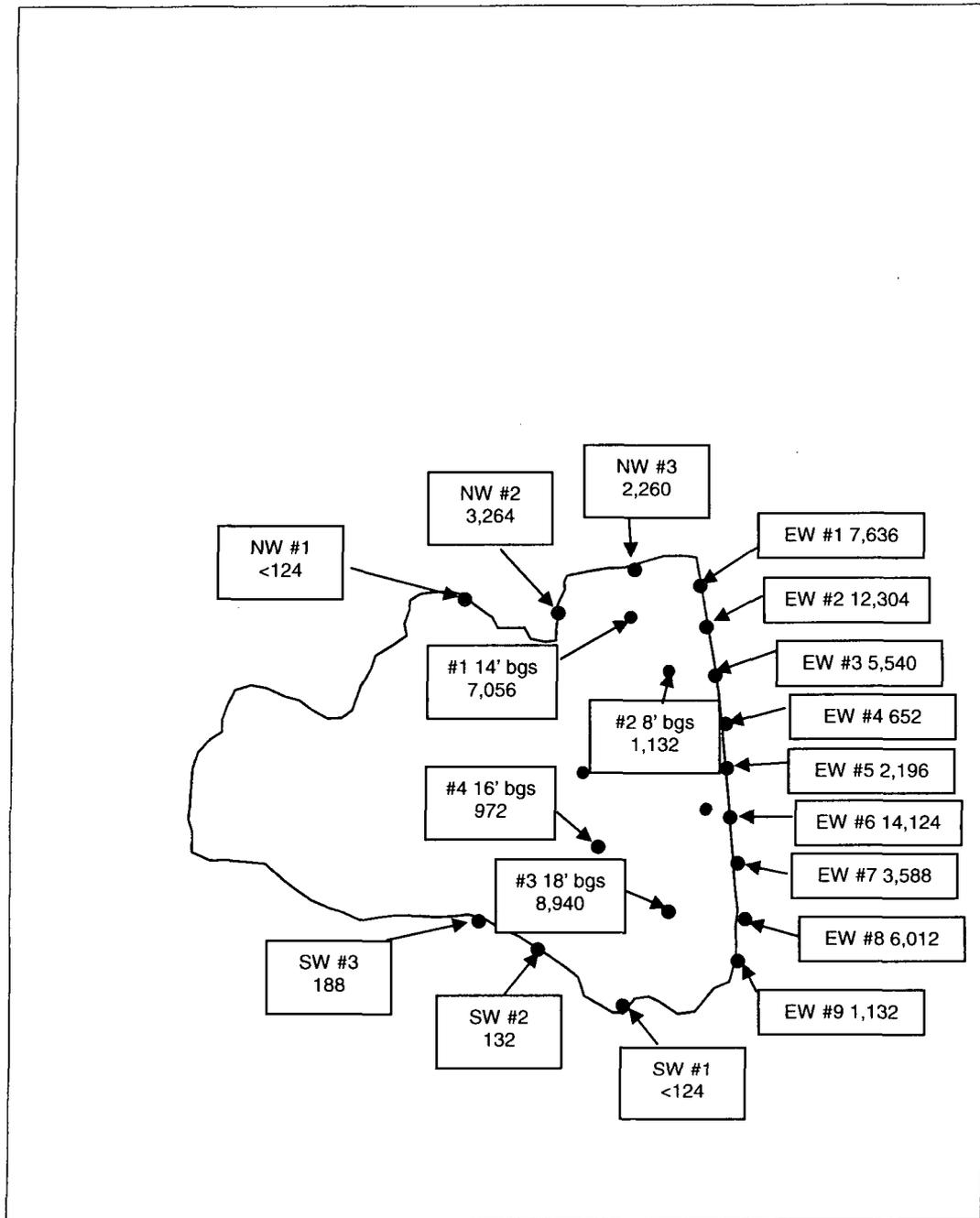
V. Figures & Appendices

- Figure 1 – Vicinity Map
- Figure 2 – Site Plan
- Figure 3 – Log of Monitor Well
- Appendix A – C-141
- Appendix B – Analytical Results
- Appendix B – Site Photos

Figure 1
Vicinity Map

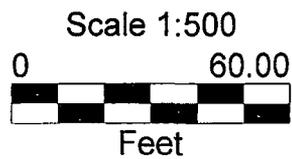


**Figure 2
Site Plan**



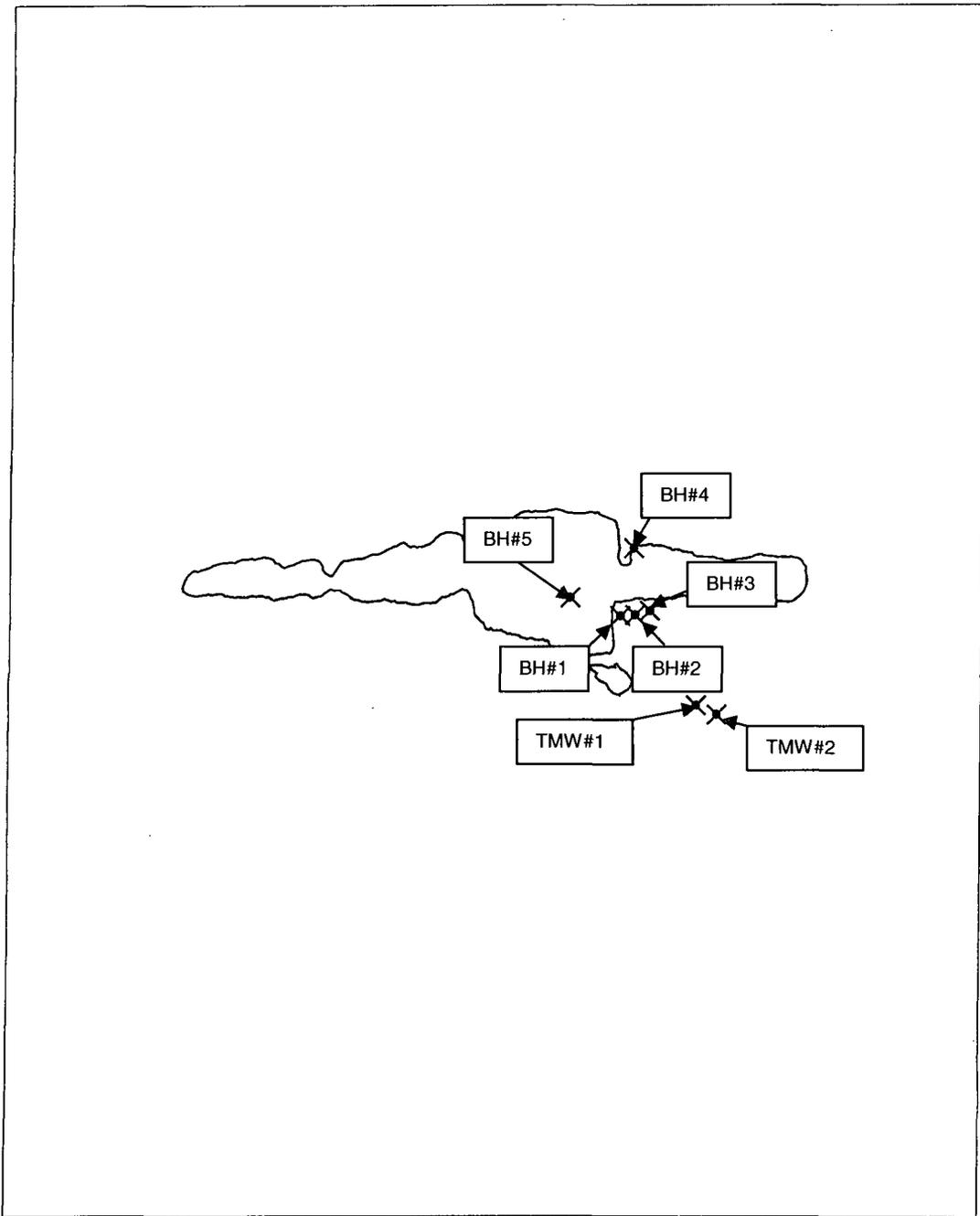
Paladin 5-1-08

Lat/Long
WGS 1984



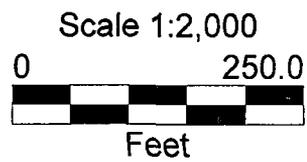
Site Map 5-1-08.ssf
5/6/2008

GPS Pathfinder® Office
 Trimble.



Paladin S. Vacuum SWD Line

Lat/Long
WGS 1984

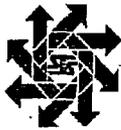


Site Map BH.ssf
6/18/2008

GPS Pathfinder[®] Office



Figure 3
Monitor Well Log



Safety & Environmental Solutions, Inc.

LOG OF BORING TMW-2 (temp well)

(Page 1 of 2)

Palidin Energy Corporation
 Buckeye Water Release Investigation
 NE/4 NW/4, Sec. 35, T18S, R35E
 Lea County, New Mexico
 N32° 42' 37.4", W103° 25' 52.9"

Date, Time Started : 06/06/08, 0850
 Date, Time Completed : 06/06/08, 1035
 Hole Diameter : 6-1/4", 4-3/4" tricone bits
 Drilling Method : Air Rotary
 Sample Method : Air cuttings

Drilling Equipment : Ingersoll-Rand TH-60
 Drilled By : Harrison-Cooper, Lubbock
 Logged By : D.G. Boyer, P.G., SESI
 Company Rep. :
 Survey By :

Depth in Feet	USCS	GRAPHIC	Water Levels		Lab No.	Field Chlorides (ppm)	Well: TMW-2 Elev.:
			▼ Hydrocarbon Product	▽ Measured Water Level			
			DESCRIPTION				
0							
0-5							
5							
5-10	SM						
10							
10-18							
15							
18-22	CA						
20							
22	SP						
23-25	SS						
25							
26	SP						
27	SS						
30	SP						
31							
35	SP/SS						
35							
35-36	SP						
40							

Notes:
 Completed as a temporary well. Installed 15 ft. 0.010 slot screen, 9 bags 20-40 silica sand.
 Developed and sampled 6/6/08, TW: 63.42 ft., TD: 72.30 ft. Removed 17 gallons of water and sand.
 Field chloride test on sample, 1530 6/6/08: 510 ppm
 Field test on sample (following purging), 1315 6/10/08: 502 ppm

Z:\SES\Central\Company Files\Palidin\PAL-08-0011\Boring logs\TMW-2.bor



Safety & Environmental Solutions, Inc.

LOG OF BORING TMW-2 (temp well)

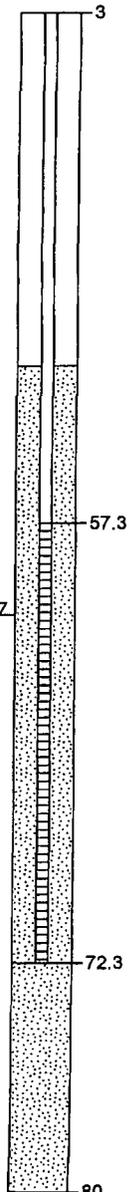
(Page 2 of 2)

Palidin Energy Corporation
 Buckeye Water Release Investigation
 NE/4 NW/4, Sec. 35, T18S, R35E
 Lea County, New Mexico
 N32° 42' 37.4", W103° 25' 52.9"

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 Date, Time Completed : 06/06/08, 1035
 Hole Diameter : 6-1/4", 4-3/4" tricone bits
 Drilling Method : Air Rotary
 Sample Method : Air cuttings

Drilling Equipment : Ingersoll-Rand TH-60
 Drilled By : Harrison-Cooper, Lubbock
 Logged By : D.G. Boyer, P.G., SESI
 Company Rep. :
 Survey By :

Depth in Feet	USCS	GRAPHIC	Water Levels		Lab No.	Field Chlorides (ppm)	Well: TMW-2 Elev.:
			▼ Hydrocarbon Product	▽ Measured Water Level			
			DESCRIPTION				
40							
			40 ft. SAND, brown, very fine grained, uniform, change to 4-3/4" sand bit for drilling				
			40-45 ft. SAND, brown, very fine grained, uniform				
45							
			45-50 ft. SAND, brown, very fine grained, uniform				
50	SP						
			50-55 ft. SAND, brown, fine grained, with occasional sandstone fragment				
55							
			55-62 ft. SAND, with occasional sandstone fragment				
60					Field Test	900	
	SS		62-64 ft. SANDSTONE, hard, change bit to 4-3/4" tricone				
65			64-65 ft. SAND, brown, very fine grained, uniform, change to 4-3/4" sand bit				
			65 ft. SAND, H2O saturated				
70	SP						
			65-80 ft. SAND, making water				
75							
80							



Notes:

Completed as a temporary well. Installed 15 ft. 0.010 slot screen, 9 bags 20-40 silica sand.
 Developed and sampled 6/6/08, TW: 63.42 ft., TD: 72.30 ft. Removed 17 gallons of water and sand.
 Field chloride test on sample, 1530 6/6/08: 510 ppm
 Field test on sample (following purging), 1315 6/10/08: 502 ppm

Appendix A
C-141

SV 35-1

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised October 10, 2003

Submit 2 Copies to appropriate
District Office in accordance
with Rule 116 on back
side of form

Release Notification and Corrective Action

OPERATOR

Initial Report Final Report

Name of Company: Paladin Energy Corp.	Contact: Mickey Horn
Address: 10290 Monroe Drive, Ste. 301, Dallas, TX 75229	Telephone No.: Cell: 432-634-6599 Office: 432-522-2162
Facility Name S. Vacuum SWD line	Facility Type

Surface Owner	Mineral Owner	Lease No.
---------------	---------------	-----------

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
	35	18	35	300	N	1400	W	LEA

Latitude _____ Longitude _____

NATURE OF RELEASE

Type of Release: Saltwater	Volume of Release: unknown	Volume Recovered
Source of Release: SWD Pipeline	Date and Hour of Occurrence	Date and Hour of Discovery 2/27/08, 12:30 PM
Was Immediate Notice Given? <input checked="" type="checkbox"/> YES <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? OCD Chris Williams by telephone	
By Whom? Johnnie Bradford of DCP Midstream, LP	Date and Hour 2/28/2008: 10:00 AM	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> NO	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

N/A

Describe Cause of Problem and Remedial Action Taken.*

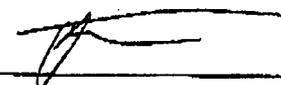
On 2/28/08 a representative of DCPM notified Paladin that in cleaning up a leak on DCPM's Eddy County Loop line (COP line #12200) they had found some soil contaminated by chlorides. Paladin's SWD line crosses DCPM's line in the area

Describe Area Affected and Cleanup Action Taken.*

The area affected was DCPM's pipeline right-of-way just east of Hwy 238 approx 0.5 miles. DCPM to cleanup as per the attached Form c-141 of March 10, 2008. Paladin accepts no responsibility for DCPM's spill, but has agreed to reimburse DCPM for part of the reasonable remediation costs caused by excess chlorides.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

OIL CONSERVATION DIVISION

Signature: 	Approved by District Supervisor:	
Printed Name: George G. Fenton	Approval Date:	Expiration Date:
Title: President & CEO	Conditions of Approval:	
E-mail Address: ggfenton@aol.com	Attached <input type="checkbox"/>	
Date: 2/21/08	Phone: 214-654-0132	

* Attach Additional Sheets If Necessary

Appendix B

Analytical Results

argon laboratories

17 June 2008

Bob Allen
Safety & Environmental Solutions, Inc.
703 E. Clinton Ave
Hobbs, NM 88240

RE: Paladine Buckeye Leak Project Data

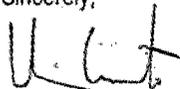
Enclosed are the results for sample(s) received on 06/10/08 15:30 by Argon Laboratories. The sample(s) were analyzed according to instructions in accompanying chain-of-custody. Results are summarized on the following pages.

Please see quality control report for a summary of QC data pertaining to this project.

The sample(s) will be stored for 30 days after completion of analysis, then disposed of in accordance with State and Federal regulations. Sample(s) may be archived by prior arrangement.

Thank you for the opportunity to service the needs of your company.

Sincerely,



Hiram Cueto
Lab Manager

Project No: *16-08201*
 Project Title: *Paladine Avekeye Leak*
 Location: *Beckeyer, NM*

Sampler's Name: *Isaac Kincaid*
 (print)
 Sampler's Signature: 

Client: *SEI*
 Address: *703 E Clinton*
Hobbs, NM 88240
 Contact:
 Phone: *(575) 397-0510*
 Fax:

Bill To:
 Client Address: *Same*

RUSH 24 Hour 48 Hour other
 Standard (5 days)

ANALYSIS

Sample ID	Date	Time	# Containers	Matrix	Comments
<i>BH #1 15'</i>	<i>5/14/08</i>	<i>1015</i>	<i>1</i>	<i>Soil</i>	<i>Chlorides</i>
<i>BH #2 10'</i>	<i>5/19/08</i>	<i>1050</i>	<i>1</i>	<i>Soil</i>	
<i>BH #3 10'</i>	<i>5/19/08</i>	<i>1155</i>	<i>1</i>	<i>Soil</i>	
<i>BH #4 10'</i>	<i>5/19/08</i>	<i>1305</i>	<i>1</i>	<i>Soil</i>	
<i>BH #5 4'</i>	<i>5/15/08</i>	<i>1010</i>	<i>1</i>	<i>Soil</i>	
<i>PW #1 50'</i>	<i>5/15/08</i>	<i>1440</i>	<i>1</i>	<i>Soil</i>	
Relinquished By: 	Date: <i>5/15/08</i>	Time: <i>1530</i>	Received By: <i>Randy Ellison</i>	Date: <i>6/10/08</i>	Time: <i>1530</i>
Relinquished By:	Date:	Time:	Received By:	Date:	Time:
Relinquished By:	Date:	Time:	Received By:	Date:	Time:

SPECIAL INSTRUCTIONS:

Argon Laboratories Sample Receipt Checklist

Client Name: Safety & Environmental Solutions, Inc. Date & Time Received: 06/10/08 15:30

Project Name: Paladine Buckeye Leak Client Project Number: PAL-08-001

Received By: R.E. Matrix: Water Soil Sludge

Sample Carrier: Client Laboratory Fed Ex UPS Other

Argon Labs Project Number: C806007

Shipper Container in good condition? N/A Yes No Samples received in proper containers? Yes No

Samples received intact? Yes No Sufficient sample volume for requested tests? Yes No

Chain of custody present? Yes No Samples received within holding time? Yes No

Chain of Custody signed by all parties? Yes No Do samples contain proper preservative? N/A Yes No

Chain of Custody matches all sample labels? Yes No Do VOA vials contain zero headspace? (None submitted) Yes No

ANY "No" RESPONSE MUST BE DETAILED IN THE COMMENTS SECTION BELOW

Date Client Contacted: _____ Person Contacted: _____

Contacted By: _____ Subject: _____

Comments:

Action Taken:

ADDITIONAL TEST(S) REQUEST / OTHER

Contacted By: _____ Date: _____ Time: _____

Call Received By: _____

Comments:





Safety & Environmental Solutions, Inc.
703 E. Clinton Ave
Hobbs, NM 88240

Project Number: PAL-08-001
Project Name: Paladine Buckeye Leak
Project Manager: Bob Allen

Work Order No.:
C806007

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
BH #1 15'	C806007-01	Soil	05/14/08 10:15	06/10/08 15:30
BH #2 10'	C806007-02	Soil	05/14/08 10:15	06/10/08 15:30
BH #3 10'	C806007-03	Soil	05/14/08 10:15	06/10/08 15:30
BH #4 10'	C806007-04	Soil	05/14/08 10:15	06/10/08 15:30
BH #5 47'	C806007-05	Soil	05/14/08 10:15	06/10/08 15:30
MW #1 50'	C806007-06	Soil	05/14/08 10:15	06/10/08 15:30

Approved By
Argon Laboratories, Inc.

QC Officer



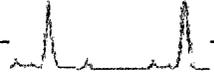
Safety & Environmental Solutions, Inc. 703 E. Clinton Ave Hobbs, NM 88240	Project Number: PAL-08-001 Project Name: Paladine Buckeye Leak Project Manager: Bob Allen	Work Order No.: C806007
---	---	----------------------------

ANALYSIS REPORT

Analyte	Result	Reporting Limit	Units	Dilution	Analyzed	Method	Notes
BH #1 15' (C806007-01) Soil Sampled: 05/14/08 10:15 Received: 06/10/08 15:30							
Chloride	1400	200	mg/kg	20	06/16/08	EPA 300.0	
BH #2 10' (C806007-02) Soil Sampled: 05/14/08 10:15 Received: 06/10/08 15:30							
Chloride	510	40	mg/kg	4	06/16/08	EPA 300.0	
BH #3 10' (C806007-03) Soil Sampled: 05/14/08 10:15 Received: 06/10/08 15:30							
Chloride	ND	10	mg/kg	1	06/16/08	EPA 300.0	
BH #4 10' (C806007-04) Soil Sampled: 05/14/08 10:15 Received: 06/10/08 15:30							
Chloride	ND	10	mg/kg	1	06/16/08	EPA 300.0	
BH #5 47' (C806007-05) Soil Sampled: 05/14/08 10:15 Received: 06/10/08 15:30							
Chloride	1000	10	mg/kg	1	06/16/08	EPA 300.0	
MW #1 50' (C806007-06) Soil Sampled: 05/14/08 10:15 Received: 06/10/08 15:30							
Chloride	460	50	mg/kg	5	06/16/08	EPA 300.0	

Approved By
Argon Laboratories, Inc.

QC Officer



Safety & Environmental Solutions, Inc.
703 E. Clinton Ave
Hobbs, NM 88240

Project Number: PAL-08-001
Project Name: Paladine Buckeye Leak
Project Manager: Bob Allen

Work Order No.:
C806007

ANALYSIS REPORT - Quality Control

Argon Laboratories

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

Batch CR00092 - General Prep

Blank (CR00092-BLK1)

Prepared & Analyzed: 06/16/08

Chloride ND 10 mg/kg

LCS (CR00092-BS1)

Prepared & Analyzed: 06/16/08

Chloride 5.60 mg/kg 5.00 112

LCS Dup (CR00092-BSD1)

Prepared & Analyzed: 06/16/08

Chloride 5.65 mg/kg 5.00 113 0.9

Matrix Spike (CR00092-MS1)

Prepared & Analyzed: 06/16/08

Chloride 5.55 mg/kg 5.00 111

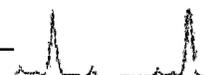
Matrix Spike Dup (CR00092-MSD1)

Prepared & Analyzed: 06/16/08

Chloride 5.65 mg/kg 5.00 113 2

Approved By
Argon Laboratories, Inc.

QC Officer



Safety & Environmental Solutions, Inc. 703 E. Clinton Ave Hobbs, NM 88240	Project Number: PAL-08-001 Project Name: Paladine Buckeye Leak Project Manager: Bob Allen	Work Order No.: C806007
---	---	----------------------------

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

Approved By
Argon Laboratories, Inc.

QC Officer

argon laboratories

17 June 2008

Bob Allen
Safety & Environmental Solutions, Inc.
703 E. Clinton Ave.
Hobbs, NM 88240

RE: Paladine Buckeye Leak Project Data

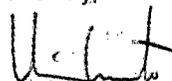
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Thank you for the opportunity to service the needs of your company.

Sincerely,



Hiram Cueto
Lab Manager

Argon Labs

2126 W. Marland Ave Hobbs, NM 88240
 (505)397-0295 (505)397-0296 info@argonlabs.com

CHAIN OF CUSTODY

1119

Project No: PAL-08-001
 Project Title: PALADIN & BUCKEYS LEAK
 Location: S BUCKEYS

Sampler's Name: DAVE BOYER
 (Print)

Sampler's Signature: *D. Boyer*

Client Address: 5552
 703 E Clinton
 Contact: DAVE BOYER
 Phone: (575) 597-8510
 Fax:

Client Address: *Samuel
 ATTN: Brenda*

Bill To:

RUSH	TURN AROUND TIME			Standard (5 days)	Comments
	24 Hour	48 Hour	other		
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<i>OK for</i>

Sample ID: *7000-2-60-6408-0552-1* Date: *5/21/08* Time: *5:00* # Containers: *1* # Matrix: *X*

Relinquished By:	Date:	Time:	Received By:	Date:	Time:
<i>D. Boyer</i>	<i>6/17/08</i>	<i>1530</i>	<i>Samuel</i>	<i>6/10/08</i>	<i>1530</i>

SPECIAL INSTRUCTIONS:

Argon Laboratories Sample Receipt Checklist

Client Name: Safety & Environmental Solutions, Inc. Date & Time Received: 06/10/08 15:30
Project Name: Paladine Buckeye Leak Client Project Number: PAL-08-001
Received By: R.E. Matrix: Water Soil Sludge
Sample Carrier: Client Laboratory Fed Ex UPS Other
Argon Labs Project Number: C806008
Shipper Container in good condition? N/A Yes No Samples received in proper containers? Yes No
Samples received intact? Yes No Sufficient sample volume for requested tests? Yes No
Chain of custody present? Yes No Samples received within holding time? Yes No
Chain of Custody signed by all parties? Yes No Do samples contain proper preservative?
N/A Yes No
Chain of Custody matches all sample labels? Yes No Do VOA vials contain zero headspace?
(None submitted) Yes No

ANY "No" RESPONSE MUST BE DETAILED IN THE COMMENTS SECTION BELOW

Date Client Contacted: _____ Person Contacted: _____

Contacted By: _____ Subject: _____

Comments:

Action Taken:

ADDITIONAL TEST(S) REQUEST / OTHER

Contacted By: _____ Date: _____ Time: _____

Call Received By: _____

Comments:





Safety & Environmental Solutions, Inc.

Project Number: PAL-08-001

703 E. Clinton Ave

Project Name: Paladine Buckeye Leak

Work Order No.:

Hobbs, NM 88240

Project Manager: Bob Allen

C806008

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
TMW-2, 60'	C806008-01	Soil	06/06/08 09:50	06/10/08 15:30

Approved By

Argon Laboratories, Inc.

QC Officer



Safety & Environmental Solutions, Inc. 703 E. Clinton Ave Hobbs, NM 88240	Project Number: PAL-08-001 Project Name: Paladine Buckeye Leak Project Manager: Bob Allen	Work Order No.: C806008
---	---	----------------------------

ANALYSIS REPORT

Analyte	Result	Reporting Limit	Units	Dilution	Analyzed	Method	Notes
TMW-2, 60' (C806008-01) Soil Sampled: 06/06/08 09:50 Received: 06/10/08 15:30							
Chloride	980	100	mg/kg	10	06/16/08	EPA 300.0	

Approved By
Argon Laboratories, Inc.

QC Officer



Safety & Environmental Solutions, Inc.
703 E. Clinton Ave
Hobbs, NM 88240

Project Number: PAL-08-001
Project Name: Paladine Buckeye Leak
Project Manager: Bob Allen

Work Order No.:
C806008

ANALYSIS REPORT - Quality Control

Argon Laboratories

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

Batch CR00092 - General Prep

Blank (CR00092-BLK1)

Prepared & Analyzed: 06/16/08

Chloride ND 10 mg/kg

LCS (CR00092-BS1)

Prepared & Analyzed: 06/16/08

Chloride 5.60 mg/kg 5.00 112

LCS Dup (CR00092-BSD1)

Prepared & Analyzed: 06/16/08

Chloride 5.65 mg/kg 5.00 113 0.9

Matrix Spike (CR00092-MS1)

Prepared & Analyzed: 06/16/08

Chloride 5.55 mg/kg 5.00 111

Matrix Spike Dup (CR00092-MSD1)

Prepared & Analyzed: 06/16/08

Chloride 5.65 mg/kg 5.00 113 2

Approved By
Argon Laboratories, Inc.

QC Officer



Safety & Environmental Solutions, Inc.

Project Number: PAL-08-001

703 E. Clinton Ave

Project Name: Paladine Buckeye Leak

Hobbs, NM 88240

Project Manager: Bob Allen

Work Order No.:

C806008

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

Approved By
Argon Laboratories, Inc.

QC Officer

argon laboratories

17 June 2008

Bob Allen
Safety & Environmental Solutions, Inc.
703 E. Clinton Ave
Hobbs, NM 88240

RE: Paladine Buckeye Leak Project Data

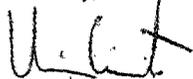
Enclosed are the results for sample(s) received on 06/10/08 15:30 by Argon Laboratories. The sample(s) were analyzed according to instructions in accompanying chain-of-custody. Results are summarized on the following pages.

Please see quality control report for a summary of QC data pertaining to this project.

The sample(s) will be stored for 30 days after completion of analysis, then disposed of in accordance with State and Federal regulations. Sample(s) may be archived by prior arrangement.

Thank you for the opportunity to service the needs of your company.

Sincerely,



Hiram Cueto
Lab Manager

Argon Laboratories Sample Receipt Checklist

Client Name: Safety & Environmental Solutions, Inc. Date & Time Received: 06/10/08 15:30

Project Name: Paladine Buckeye Leak Client Project Number: PAL-08-001

Received By: R.E. Matrix: Water Soil Sludge

Sample Carrier: Client Laboratory Fed Ex UPS Other

Argon Labs Project Number: C806010

Shipper Container in good condition? N/A Yes No Samples received in proper containers? Yes No

Samples received under refrigeration? Yes No Samples received intact? Yes No

Chain of custody present? Yes No Sufficient sample volume for requested tests? Yes No

Chain of Custody signed by all parties? Yes No Samples received within holding time? Yes No

Do samples contain proper preservative? N/A Yes No

Chain of Custody matches all sample labels? Yes No Do VOA vials contain zero headspace? (None submitted) Yes No

ANY "No" RESPONSE MUST BE DETAILED IN THE COMMENTS SECTION BELOW

Date Client Contacted: _____ Person Contacted: _____

Contacted By: _____ Subject: _____

Comments:

Action Taken:

ADDITIONAL TEST(S) REQUEST / OTHER

Contacted By: _____ Date: _____ Time: _____

Call Received By: _____

Comments:





Safety & Environmental Solutions, Inc.
703 E. Clinton Ave
Hobbs, NM 88240

Project Number: PAL-08-001
Project Name: Paladine Buckeye Leak
Project Manager: Bob Allen

Work Order No.:
C806010

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
TMW2	C806010-01	Water	06/06/08 15:30	06/10/08 15:30
TMW2	C806010-02	Water	06/10/08 13:49	06/10/08 15:30

Approved By
Argon Laboratories, Inc.

QC Officer



Safety & Environmental Solutions, Inc.
703 E. Clinton Ave
Hobbs, NM 88240

Project Number: PAL-08-001
Project Name: Paladine Buckeye Leak
Project Manager: Bob Allen

Work Order No.:
C806010

ANALYSIS REPORT

Analyte	Result	Reporting Limit	Units	Dilution	Analyzed	Method	Notes
TMW2 (C806010-01) Water Sampled: 06/06/08 15:30 Received: 06/10/08 15:30							
Chloride	480	50	mg/L	50	06/16/08	EPA 300.0	
TMW2 (C806010-02) Water Sampled: 06/10/08 13:49 Received: 06/10/08 15:30							
Total Dissolved Solids	2000	10	mg/L	1	06/16/08	EPA 160.1	
Chloride	570	50	"	50	06/16/08	EPA 300.0	

Approved By
Argon Laboratories, Inc.

QC Officer



Safety & Environmental Solutions, Inc.	Project Number: PAL-08-001	Work Order No.:
703 E. Clinton Ave	Project Name: Paladine Buckeye Leak	C806010
Hobbs, NM 88240	Project Manager: Bob Allen	

Volatile Organics by EPA Method 8021B

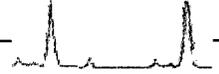
Analyte	Result	Reporting Limit	Units	Dilution	Analyzed	Method	Notes
TMW2 (C806010-02) Water Sampled: 06/10/08 13:49 Received: 06/10/08 15:30							
Benzene	ND	0.5	ug/L	1	06/16/08	8021B	
Toluene	ND	0.5	"	"	"	"	
Ethylbenzene	ND	0.5	"	"	"	"	
Xylenes (total)	ND	1.0	"	"	"	"	
Surr. Rec.:		94 %			"	"	

Approved By
Argon Laboratories, Inc.

QC Officer



2126 W. Marland Ave., Hobbs, NM 88240 (505)397-0295 Fax (505)397-0296



Safety & Environmental Solutions, Inc.
703 E. Clinton Ave
Hobbs, NM 88240

Project Number: PAL-08-001
Project Name: Paladine Buckeye Leak
Project Manager: Bob Allen

Work Order No.:
C806010

ANALYSIS REPORT - Quality Control

Argon Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	RPD	Notes
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Batch CR00093 - General Prep

Blank (CR00093-BLK1) Prepared & Analyzed: 06/16/08								
Chloride	ND	1.0	mg/L					
LCS (CR00093-BS1) Prepared & Analyzed: 06/16/08								
Chloride	5.60		mg/L	5.00		112		
LCS Dup (CR00093-BSD1) Prepared & Analyzed: 06/16/08								
Chloride	5.65		mg/L	5.00		113	0.9	
Matrix Spike (CR00093-MS1) Prepared & Analyzed: 06/16/08								
Chloride	6.05		mg/L	5.00		121		
Matrix Spike Dup (CR00093-MSD1) Prepared & Analyzed: 06/16/08								
Chloride	6.25		mg/L	5.00		125	3	

Batch CR00094 - General Prep

Blank (CR00094-BLK1) Prepared & Analyzed: 06/16/08								
Total Dissolved Solids	ND	10	mg/L					
LCS (CR00094-BS1) Prepared & Analyzed: 06/16/08								
Total Dissolved Solids	970		mg/L	1000		97		
LCS Dup (CR00094-BSD1) Prepared & Analyzed: 06/16/08								
Total Dissolved Solids	1020		mg/L	1000		102	5	
Matrix Spike (CR00094-MS1) Prepared & Analyzed: 06/16/08								
Total Dissolved Solids	950		mg/L	1000		95		
Matrix Spike Dup (CR00094-MSD1) Prepared & Analyzed: 06/16/08								
Total Dissolved Solids	940		mg/L	1000		94	1	

Approved By
Argon Laboratories, Inc.

QC Officer



Safety & Environmental Solutions, Inc. 703 E. Clinton Ave Hobbs, NM 88240	Project Number: PAL-08-001 Project Name: Paladine Buckeye Leak Project Manager: Bob Allen	Work Order No.: C806010
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Volatile Organics by EPA Method 8021B - Quality Control

Argon Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	RPD	Notes
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Batch CR00095 - EPA 5030B

Blank (CR00095-BLK1)

Prepared & Analyzed: 06/16/08

<i>Surrogate: a,a,a-Trifluorotoluene</i>	53.0		ug/L	50.0		106		
Benzene	ND	0.5	"					
Toluene	ND	0.5	"					
Ethylbenzene	ND	0.5	"					
Xylenes (total)	ND	1.0	"					

LCS (CR00095-BS1)

Prepared & Analyzed: 06/16/08

Benzene	43.1		ug/L	50.0		86		
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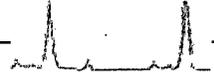
LCS Dup (CR00095-BSD1)

Prepared & Analyzed: 06/16/08

Benzene	44.5		ug/L	50.0		89	3	
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Approved By
Argon Laboratories, Inc.

QC Officer



Safety & Environmental Solutions, Inc.
703 E. Clinton Ave
Hobbs, NM 88240

Project Number: PAL-08-001
Project Name: Paladine Buckeye Leak
Project Manager: Bob Allen

Work Order No.:
C806010

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

Approved By
Argon Laboratories, Inc.

QC Officer

Appendix C

Site Photos









