

NM1 -

6

C-138

YEAR(S):

2002

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-138
Revised March 17, 1999

Submit Original
Plus 1 Copy
to Appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☒ ☐ Verbal Approval Received: Yes ☐ No ☒	4. Generator Navajo Refining Co.
2. Management Facility Destination Controlled Recovery Inc.	5. Originating Site Artesia Facility
3. Address of Facility Operator P.O. Box 388, Hobbs	6. Transporter CRI
7. Location of Material (Street Address or ULSTR) 501 East Main, Artesia	8. State New Mexico
9. Circle One: A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job. B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved. All transporters must certify the wastes delivered are only those consigned for transport.	

BRIEF DESCRIPTION OF MATERIAL:

10-24-02B

Soda ash that has only been in contact with water.

I am enclosing a process of knowledge letter to submit this for approval.

Estimated Volume appx. 20 yards cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE Carmella Van Maanen TITLE: Bookkeeper DATE: 10-24-02
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Carmella Van Maanen TELEPHONE NO: (505) 393-1079

(This space for State Use)

APPROVED BY: <u>[Signature]</u>	TITLE: <u>Ernie Garcia</u>	DATE: <u>10/25/02</u>
APPROVED BY: DENIED	TITLE: _____	DATE: _____



REFINING COMPANY

FAX

(505) 746-5283 DIV. ORDERS
(505) 746-5481 TRUCKING
(505) 746-5458 PERSONNEL

501 EAST MAIN STREET • P. O. BOX 159
ARTESIA, NEW MEXICO 88211-0159
TELEPHONE (505) 746-3311

FAX

(505) 746-5419 ACCOUNTING
(505) 746-5451 EXECUTIVE
(505) 746-5421 ENGINEERING
(505) 746-5480 P / L

October 16, 2002

Ken Marsh
CRI
P.O. Box 388
Hobbs, NM 88214

Ken,

I would like to profile into your facility approximately 800 yards of contaminated soil. The analysis for this material shows it to be **Non Hazardous**. I have enclosed the analysis and certificate of waste for this material.

I would also like to profile into your facility 20 yards of soda ash that has only been in contact with water. I do not have analysis for this material.

If you have any question or need any further information please feel free to contact me at (505) 746-5241.

Sincerely,

Charlie Plymale
Environmental Specialist

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

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Form C-138
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REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

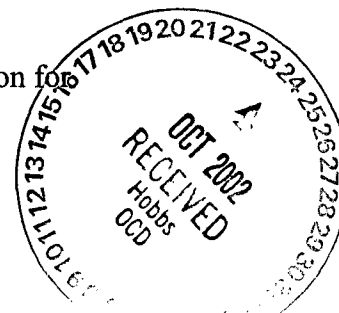
1. RCRA Exempt: ☐ Non-Exempt: ☒ ☐ Verbal Approval Received: Yes ☐ No ☒	4. Generator Navajo Refining Co.
2. Management Facility Destination Controlled Recovery Inc.	5. Originating Site Artesia Facility
3. Address of Facility Operator P.O. Box 388, Hobbs	6. Transporter CRI
7. Location of Material (Street Address or ULSTR) 501 East Main, Artesia	8. State New Mexico
9. <u>Circle One</u> : A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job. B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved. All transporters must certify the wastes delivered are only those consigned for transport.	

BRIEF DESCRIPTION OF MATERIAL:

10-24-02A

Contaminated soil generated from removal for building of a concrete foundation for new sws tank.

I am enclosing a non-exempt certificate of waste status, analytical data, chain of custody, and process of knowledge letter.



Estimated Volume appx. 20 yards cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE Carmella Van Maanen TITLE: Bookkeeper DATE: 10-24-02
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Carmella Van Maanen TELEPHONE NO: (505) 393-1079

(This space for State Use)

APPROVED BY: [Signature] TITLE: Environmental Engineer DATE: 10/25/02
APPROVED BY: [Signature] TITLE: Environmental Geologist DATE: 10/5/02

1-205011

**REFINING COMPANY**

FAX

(505) 746-5283 DIV. ORDERS
(505) 746-5481 TRUCKING
(505) 746-5458 PERSONNEL

501 EAST MAIN STREET • P. O. BOX 159
ARTESIA, NEW MEXICO 88211-0159
TELEPHONE (505) 746-3311

FAX

(505) 746-5419 ACCOUNTING
(505) 746-5451 EXECUTIVE
(505) 746-5421 ENGINEERING
(505) 746-5480 P / L

October 16, 2002

Ken Marsh
CRI
P.O. Box 388
Hobbs, NM 88214

Ken,

I would like to profile into your facility approximately 800 yards of contaminated soil. The analysis for this material shows it to be **Non Hazardous**. I have enclosed the analysis and certificate of waste for this material.

I would also like to profile into your facility 20 yards of soda ash that has only been in contact with water. I do not have analysis for this material.

If you have any question or need any further information please feel free to contact me at (505) 746-5241.

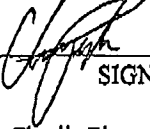
Sincerely,

Charlie Plymale
Environmental Specialist

**CERTIFICATE OF WASTE STATUS
NON-EXEMPT WASTE MATERIAL
"AS REQUIRED BY NEW MEXICO OIL CONSERVATION DIVISION"**

COMPANY / GENERATOR: Navajo Refining CompanyADDRESS: 501 East MainGENERATING SITE: Navajo Refining CompanyCOUNTY: EddySTATE: NMTYPE OF WASTE: Contaminated soilESTIMATED VOLUME: 20 yardsGENERATING PROCESS: Contaminated soil removed for building of a concrete foundation for new sws tankREMARKS: Analysis enclosedNMOCD FACILITY: Controlled Recovery IncorporatedTRUCKING COMPANY: D and J Waste

As a condition of acceptance for disposal, I hereby certify that this waste is a non-exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. To my knowledge, this waste will be analyzed pursuant to the provisions of 40 CFR Part 261 to verify the nature as non-hazardous. I further certify that to my knowledge "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has not been added or mixed with the waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, Sections 2613.

AGENT:  SIGNATURENAME: Charlie Plymale
PRINTEDADDRESS: 501 EAST MAINARTESIA, NM 88210DATE: 10/16/02



TraceAnalysis, Inc.

6701 Aberdeen Ave., Suite 9

Lubbock, TX 79424-1515

(806) 794-1296

Report Date: October 15, 2002 Order Number: A02092717
N/A Telp-New SWS DirtPage Number: 1 of 2
Artesia

Summary Report

Charlie Plymale
Navajo Refining
501 E. Main
Artesia, NM 88210

Report Date: October 15, 2002

Order ID Number: A02092717

Project Number: N/A
Project Name: Telp-New SWS Dirt
Project Location: Artesia

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
209014	TCLP-NW SWS Dirt	Soil	9/26/02	13:00	9/27/02

This report consists of a total of 2 page(s) and is intended only as a summary of results for the sample(s) listed above.

Sample: 209014 - TCLP-NW SWS Dirt

Param	Flag	Result	Units
Benzene		1.92	mg/Kg
pH (EPA limit = <2 >12.5)		8.4	s.u.
Ignitability		non-ignitable	
Reactivity			
Reactivity		Non-reactive	
Hydrogen Sulfide (EPA limit = 500)		<10	mg/Kg
Hydrogen Cyanide (EPA limit = 250)		<2.5	mg/Kg
TCLP Mercury (EPA limit = 0.20)		<0.010	mg/L
TCLP Metals			
TCLP Arsenic (EPA limit = 5.0)		<0.500	mg/L
TCLP Barium (EPA limit = 100.0)		1.64	mg/L
TCLP Cadmium (EPA limit = 1.0)		<0.050	mg/L
TCLP Chromium (EPA limit = 5.0)		<0.100	mg/L
TCLP Lead (EPA limit = 5.0)		4.01	mg/L
TCLP Selenium (EPA limit = 1.0)		<0.100	mg/L
TCLP Silver (EPA limit = 5.0)		<0.020	mg/L
TCLP Semivolatiles			
Pyridine (EPA limit = 5.0)		<0.050	mg/L
1,4-Dichlorobenzene (EPA limit = 7.5)		<0.050	mg/L
o-Cresol (EPA limit = 200.0)		<0.050	mg/L
m,p-Cresol (EPA limit = 200.0)		<0.050	mg/L
Hexachloroethane (EPA limit = 3.0)		<0.050	mg/L
Nitrobenzene (EPA limit = 2.0)		<0.050	mg/L
Hexachlorobutadiene (EPA limit = 0.5)		<0.050	mg/L
2,4,6-Trichlorophenol (EPA limit = 2.0)		<0.050	mg/L
2,4,5-Trichlorophenol (EPA limit = 400.0)		<0.050	mg/L
2,4-Dinitrotoluene (EPA limit = 0.13)		<0.050	mg/L
2,4-D (EPA limit = 10.0)		<0.050	mg/L
Hexachlorobenzene (EPA limit = 0.13)		<0.050	mg/L

Continued on next page ...

This is only a summary. Please, refer to the complete report package for quality control data.

TraceAnalysis, Inc.

6701 Aberdeen Ave., Suite 9

Lubbock, TX 79424-1515

(806) 794-1296

Report Date: October 15, 2002 Order Number: A02092717
N/A Telp-New SWS DirtPage Number: 2 of 2
Artosia

Sample 208014 continued ...

Param	Flag	Result	Units
2,4,5-TP (EPA limit = 1.0)		<0.050	mg/L
Pentachlorophenol (EPA limit = 100.0)		<0.050	mg/L
TOLP Volatiles			
Vinyl Chloride (EPA limit = 0.20)		<0.05	mg/L
1,1-Dichloroethene (EPA limit = 0.70)		<0.05	mg/L
Methyl ethyl ketone (EPA limit = 200.0)		<0.50	mg/L
Chloroform (EPA limit = 6.00)		<0.05	mg/L
1,2-Dichloroethane (EDC) (EPA limit = 0.50)		<0.05	mg/L
Benzene (EPA limit = 0.50)		<0.05	mg/L
Carbon Tetrachloride (EPA limit = 0.50)		<0.05	mg/L
Trichloroethene (TCE) (EPA limit = 0.50)		<0.05	mg/L
Tetrachloroethene (PCE) (EPA limit = 0.70)		<0.05	mg/L
Chlorobenzene (EPA limit = 100.00)		<0.05	mg/L
1,4-Dichlorobenzene (EPA limit = 7.50)		<0.05	mg/L

This is only a summary. Please, refer to the complete report package for quality control data.

209014

Page of

8701 Alameda Avenue, Ste. 9
Lubbock, Texas 79424
Tel (806) 794-1296
Fax (806) 794-1298
1 (800) 378-1286

TraceAnalysis, Inc.

155 McQuinn Street, Suite H
El Paso, Texas 79932
Tel (915) 585-3443
Fax (915) 585-4944
1 (888) 585-3443

Company Name:

Naujo

Phone #:

505 748-3311

Address:

(Street, City, Zip)

501 E Main

Fax #:

505 746-5421

Contact Person:

Charles Phymak

Invoice to:

(If different from above)

Project #:

Project Name:

TCLP - New SWS Dirt

Project Location:

Artistic

Sampler Signature:

[Signature]

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX				PRESERVATIVE METHOD						SAMPLING	
				WATER	SOIL	AIR	SLUDGE	HCl	HNO ₃	H ₂ SO ₄	NaOH	ICE	NONE	DATE	TIME
209014	TCLP-New SWS Dirt	1	1L	X									X	9/26/02	1300

Requisitioned by:	Date:	Time:	Received by:	Date:	Time:
[Signature]	9/26/02	1615	[Signature]		
Requisitioned by:	Date:	Time:	Received by:	Date:	Time:
[Signature]			[Signature]		
Requisitioned by:	Date:	Time:	Received by:	Date:	Time:
[Signature]			[Signature]		

Submission of samples constitutes agreement to Terms and Conditions listed on reverse side of C.O.C.

ORIGINAL COPY

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

LAB Order ID #

A02002712

ANALYSIS REQUEST

(Circle or Specify Method No.)

GC/MS Vol. 8260B/524	GC/MS Semi. Vol. 8270C/828	PCB R 8082/608	Pesticides 8081A/808	BOD, TSS, PH	X [Signature]	Turn Around Time If different from standard
TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Semi Volatiles	TCLP Volatiles	TCLP Pesticides	ROI		
PAH 8270C	TPH 418.1/TX1008	BTEX 8021B/602	MTBE 8021B/602			
Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Semi Volatiles	TCLP Pesticides	ROI		

REMARKS:

LAB USE ONLY

Blank ☒ N
Headspace ☒ Y
Tentative ☒ N
Long-term Review ☒ N

☐ Check if Special Reporting Limits Are Needed

Carrier # Fed 30 7900-8396-3919

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-138
Revised March 17, 1999

Submit Original
Plus 1 Copy
to Appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

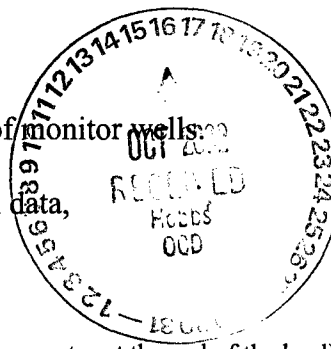
1. RCRA Exempt: ☐ Non-Exempt: ☒ ☒ Verbal Approval Received: Yes ☐ No ☒ 11/8/02 mjn	4. Generator Navajo Refining Co.
2. Management Facility Destination Controlled Recovery Inc.	5. Originating Site El Paso Facility
3. Address of Facility Operator P.O. Box 388, Hobbs	6. Transporter CRI
7. Location of Material (Street Address or ULSTR) 1000 East Side Dr., El Paso	8. State New Mexico
9. <u>Circle One</u> : A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job. B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved. All transporters must certify the wastes delivered are only those consigned for transport.	

BRIEF DESCRIPTION OF MATERIAL:

10-14-02

Monitor well cuttings generated from clay and soil from drilling of monitor wells.

I am enclosing a non-exempt certificate of waste status, analytical data, chain of custody, and process of knowledge letter.



Estimated Volume appx. 30 yards cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE Carmella Van Maanen TITLE: Bookkeeper DATE: 10-14-02
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Carmella Van Maanen TELEPHONE NO: (505) 393-1079

(This space for State Use)

APPROVED BY: [Signature] TITLE: Enviro. Geol. DATE: 10/17/02
APPROVED BY: [Signature] TITLE: Environmental Geologist DATE: 11/8/02

1-208011

**REFINING COMPANY**

FAX

(505) 746-5283 DIV. ORDERS
(505) 746-5481 TRUCKING
(505) 746-5458 PERSONNEL

501 EAST MAIN STREET • P. O. BOX 159
ARTESIA, NEW MEXICO 88211-0159
TELEPHONE (505) 748-3311

FAX

(505) 746-5419 ACCOUNTING
(505) 746-5451 EXECUTIVE
(505) 746-5421 ENGINEERING
(505) 746-5480 P / L

FAXED
OCT 10 2002

October 10, 2002

Ken Marsh
CRI
P.O. Box 388
Hobbs, NM 88214

Ken,

I would like to profile into your facility monitor well cuttings from our El Paso Terminal. I have enclosed the analysis for the monitor well cuttings. This material is Non Hazardous. If you have any further questions regarding this material please call me at (505) 748-3311.

Sincerely,

Charlie Plymale
Environmental Specialist

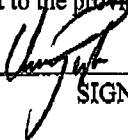
**CERTIFICATE OF WASTE STATUS
NON-EXEMPT WASTE MATERIAL
"AS REQUIRED BY NEW MEXICO OIL CONSERVATION DIVISION"**

COMPANY / GENERATOR: Navajo Refining Company (El Paso Terminal)ADDRESS: 1000 East Side DriveGENERATING SITE: Navajo Refining Company (El Paso Terminal)COUNTY: El PasoSTATE: TXTYPE OF WASTE: Monitor Well CuttingsESTIMATED VOLUME: 30 yardsGENERATING PROCESS: Clay and Soil from drilling of monitor wells

REMARKS: _____

NMOCD FACILITY: Controlled Recovery IncorporatedTRUCKING COMPANY: Controlled Recovery Incorporated

As a condition of acceptance for disposal, I hereby certify that this waste is a non-exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. To my knowledge, this waste will be analyzed pursuant to the provisions of 40 CFR Part 261 to verify the nature as non-hazardous. I further certify that to my knowledge "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has not been added or mixed with the waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, Sections 2613.

AGENT: 

SIGNATURE

NAME: Charlie Plymale

PRINTED

ADDRESS: 501 EAST MAINARTESIA, NM 88210DATE: 10/10/02

TraceAnalysis, Inc.

6701 Aberdeen Ave., Suite 9

Lubbock, TX 79424-1515

(806) 794-1296

Report Date: October 9, 2002 Order Number: A02092505
N/A Monitor Well CuttingsPage Number: 1 of 2
El Paso

Summary Report

Charlie Plymale
Navajo Refining Co.
1000 East Side
El Paso, Tx. 79915

Report Date: October 9, 2002

Order ID Number: A02092505

Project Number: N/A
Project Name: Monitor Well Cuttings
Project Location: El Paso

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
208731	Monitor Well Cuttings	Soil	9/24/02	13:00	9/25/02

0 This report consists of a total of 2 page(s) and is intended only as a summary of results for the sample(s) listed above.

Sample: 208731 - Monitor Well Cuttings

Param	Flag	Result	Units
Corrosivity		non-corrosive	mm/yr
pH		7.9	s.u.
Ignitability		non-ignitable	
Reactivity		Non-reactive	
Hydrogen Sulfide		<10	mg/Kg
Hydrogen Cyanide		<2.5	mg/Kg
TCLP Mercury		<0.010	mg/L
TCLP Arsenic		<0.500	mg/L
TCLP Barium		1.25	mg/L
TCLP Cadmium		<0.050	mg/L
TCLP Chromium		<0.100	mg/L
TCLP Lead		<0.100	mg/L
TCLP Selenium		0.101	mg/L
TCLP Silver		<0.020	mg/L
Pyridine		<0.05	mg/L
1,4-Dichlorobenzene		<0.05	mg/L
o-Cresol		<0.05	mg/L
m,p-Cresol		<0.05	mg/L
Hexachloroethane		<0.05	mg/L
Nitrobenzene		<0.05	mg/L
Hexachlorobutadiene		<0.05	mg/L
2,4,6-Trichlorophenol		<0.05	mg/L
2,4,5-Trichlorophenol		<0.05	mg/L
2,4-Dinitrotoluene		<0.05	mg/L
2,4-D		<0.05	mg/L
Hexachlorobenzene		<0.05	mg/L
2,4,5-TP		<0.05	mg/L
Pentachlorophenol		<0.05	mg/L
Vinyl Chloride		<0.05	mg/L

Continued on next page ...

This is only a summary. Please, refer to the complete report package for quality control data.

TraceAnalysis, Inc. 6701 Aberdeen Ave., Suite 9 Lubbock, TX 79424-1515 (806) 794-1286

Report Date: October 9, 2002 Order Number: A02092505 Page Number: 2 of 2
N/A Monitor Well Cuttings El Paso

Sample 808731 continued ...

Param	Flag	Result	Units
1,1-Dichloroethene		<0.05	mg/L
Methyl ethyl ketone		<0.50	mg/L
Chloroform		<0.05	mg/L
1,2-Dichloroethane (EDC)		<0.05	mg/L
Benzene		<0.05	mg/L
Carbon Tetrachloride		<0.05	mg/L
Trichloroethene (TCE)		<0.05	mg/L
Tetrachloroethene (PCE)		<0.05	mg/L
Chlorobenzene		<0.05	mg/L
1,4-Dichlorobenzene		<0.05	mg/L

This is only a summary. Please, refer to the complete report package for quality control data.

6701 Aberdeen Avenue, Ste. 9
Lubbock, Texas 79424
Tel (805) 784-1236
Fax (805) 794-1238
1 (800) 378-1236

TraceAnalysis, Inc.

155 McCutcheon, Suite H
E Paso, Texas 79902
Tel (915) 585-3443
Fax (915) 585-0944
1 (800) 585-3443

Company Name:

Company Name: Navajo El Paso Facility

Address: _____
(Street, City, Zip)

Street, City, Zip) 501 E. Main

Contact Person:

Charlie Phynote

Introduction for

If different from above)

Project #

Project Name:

Project Location:

El Paso

Sampler Signature:

Monitor well cuttings

[illegible]

by the same individual.

Date: _____ Time: _____

Received by

Date	Time
------	------

Belinquin, H.

Date: _____ Time: _____

Received by:

Date: _____ Time: _____

Relinquished for

~~Date: _____ Time: _____~~

~~Revised 10/1/99~~

Date: _____ Time: _____

Submittal of samples constitutes agreement to Terms and Conditions listed on reverse side of C.O.C.

ORIGINAL COPY

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ક્રાંતિ

AB2092505

ANALYSIS REQUEST

(Circle or Specify Method No.)

MTBE 8021B/602	
BTEX 8021B/602	
TPH 418.1/TX1005	
PAH 8270C	
Total Metals Ag As Ba Cd Cr Pb Se Hg 8010B/200.7	X.
TCLP Metals Ag As Ba Cd Cr Pb Se Hg	X.
TCLP Volatiles	X.
TCLP Semi Volatiles	X.
TCLP Pesticides	X.
RCI	X.
GC/MS Vol. 8260B/624	
GC/MS Semi. Vol. 8270C/825	
PCB's 8082/608	
Pesticides 8081A/608	
BOD, TSS, pH	
Turn Around Time if different from standard	
Mold	

LAB USE ONLY

②

Speech

Temple

LAST-THIRTY

REMARKS.

Check If Special Packaging Limits Are Needed

Carrier	File #	Date	Rate
		7/9/12	0693
		7/9/12	0693

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-138
Revised March 17, 1999

Submit Original
Plus 1 Copy
to Appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☒ ☐ Verbal Approval Received: Yes ☐ No ☒	4. Generator Navajo Refining Co.
2. Management Facility Destination Controlled Recovery Inc.	5. Originating Site Artesia Facility
3. Address of Facility Operator P.O. Box 388, Hobbs	6. Transporter D & J
7. Location of Material (Street Address or ULSTR) 501 East Main, Artesia	8. State New Mexico
9. <u>Circle One</u> : A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job. B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved. All transporters must certify the wastes delivered are only those consigned for transport.	

BRIEF DESCRIPTION OF MATERIAL:

07-25-02

Catalyst D-463

Catalyst is used to spread the flow of product through alky unit and is neutralized before taken out of service.

Enclosed is certificate of waste status, analytical data, chain of custody, and process of knowledge letter.

Estimated Volume appx. 20 yards cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE Carmella Van Maanen TITLE: Bookkeeper DATE: 07-26-02
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Carmella Van Maanen TELEPHONE NO: (505) 393-1079

(This space for State Use)

APPROVED BY: _____ TITLE: _____ DATE: _____
APPROVED BY: [Signature] TITLE: Environmental Geologist DATE: 8/05/02

1-205080



REFINING COMPANY

FAX

(505) 746-5283 DIV. ORDERS
(505) 746-5481 TRUCKING
(505) 746-5458 PERSONNEL

501 EAST MAIN STREET • P. O. BOX 159
ARTESIA, NEW MEXICO 88211-0159
TELEPHONE (505) 748-3311

FAX

(505) 746-5419 ACCOUNTING
(505) 746-5451 EXEC/MKTG
(505) 746-5421 ENGINEERING
(505) 746-5480 PIPELINE

July 24, 2002

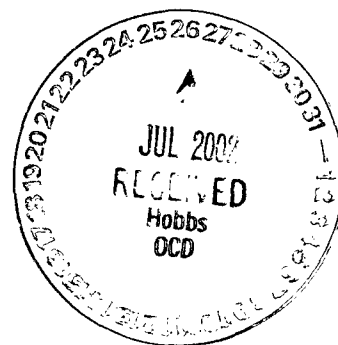
Ken Marsh
CRI
P.O. Box 388
Hobbs, NM 88214

Ken,

I would like to get Catalyst D-463 profiled into your facility. This catalyst aides in evening the flow of material through our alky unit. I am enclosing a recent analysis of this catalyst. This catalyst is NON HAZARDOUS and would be transported in 20 yard roll off bins by Champion Inc.

Sincerely,

Charlie Plymale
Environmental Specialist



An Independent Refinery Serving . . .

NEW MEXICO • ARIZONA • WEST TEXAS • NORTHERN MEXICO

**CERTIFICATE OF WASTE STATUS
NON-EXEMPT WASTE MATERIAL
"AS REQUIRED BY NEW MEXICO OIL CONSERVATION DIVISION"**

COMPANY / GENERATOR: Navajo Refining Company

ADDRESS: 501 East Main

GENERATING SITE: Navajo Refining Company

COUNTY: Eddy

STATE: NM

TYPE OF WASTE: D-463 Catalyst

ESTIMATED VOLUME: 1 VACCUM BOX

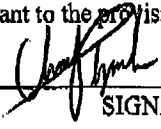
GENERATING PROCESS: Catalyst is used the spread the flow of product through
alky unit and is neutralized before taken out of service.

REMARKS: This catalyst is used to spread the flow through the unit.

NMOCD FACILITY: Controlled Recovery Incorporated

TRUCKING COMPANY: D&J Waste Services

As a condition of acceptance for disposal, I hereby certify that this waste is a non-exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. To my knowledge, this waste will be analyzed pursuant to the provisions of 40 CFR Part 261 to verify the nature as non-hazardous. I further certify that to my knowledge "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has not been added or mixed with the waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, Sections 2613.

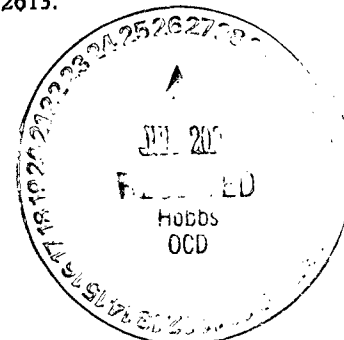
AGENT: 
SIGNATURE

NAME: Charlie Plymale
PRINTED

ADDRESS: 501 EAST MAIN

ARTESIA, NM 88210

DATE: 7/24/02





TraceAnalysis, Inc.

6701 Aberdeen Ave., Suite 9

Lubbock, TX 79424-1515

(806) 794-1296

Report Date: July 22, 2002 Order Number: A02070322

Page Number: 1 of 2

TCLP

N/A

N/A

Summary Report

Charlie Plymale
Navajo Refining
501 E. Main
Artesia, NM 88210

Report Date: July 22, 2002

Order ID Number: A02070322

Project Number: TCLP
Project Name: N/A
Project Location: N/A

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
200760	D-463 Catalyst	Solid	7/2/02	15:10	7/3/02

This report consists of a total of 2 page(s) and is intended only as a summary of results for the sample(s) listed above.

Sample: 200760 - D-463 Catalyst

Param	Flag	Result	Units
Corrosivity			
Corrosivity (EPA limit = >6.5 mm/yr)		non-corrosive	mm/yr
pH (EPA limit = <2 >12.5)		3.90	s.u.
Ignitability		non-ignitable	
Reactivity			
Reactivity		Non-reactive	
Hydrogen Sulfide (EPA limit = 500)		<10	mg/Kg
Hydrogen Cyanide (EPA limit = 250)		<2.5	mg/Kg
TCLP Mercury (EPA limit = 0.20)		<0.010	mg/L
TCLP Metals			
TCLP Arsenic (EPA limit = 5.0)		<0.500	mg/L
TCLP Barium (EPA limit = 100.0)		<1.00	mg/L
TCLP Cadmium (EPA limit = 1.0)		<0.050	mg/L
TCLP Chromium (EPA limit = 5.0)		<0.100	mg/L
TCLP Lead (EPA limit = 5.0)		<0.100	mg/L
TCLP Selenium (EPA limit = 1.0)		<0.100	mg/L
TCLP Silver (EPA limit = 5.0)		<0.020	mg/L
TCLP Semivolatiles			
Pyridine (EPA limit = 5.0)		<0.050	mg/L
1,4-Dichlorobenzene (EPA limit = 7.5)		<0.050	mg/L
o-Cresol (EPA limit = 200.0)		<0.050	mg/L
m,p-Cresol (EPA limit = 200.0)		<0.050	mg/L
Hexachloroethane (EPA limit = 3.0)		<0.050	mg/L
Nitrobenzene (EPA limit = 2.0)		<0.050	mg/L
Hexachlorobutadiene (EPA limit = 0.5)		<0.050	mg/L
2,4,6-Trichlorophenol (EPA limit = 2.0)		<0.050	mg/L
2,4,5-Trichlorophenol (EPA limit = 400.0)		<0.050	mg/L
2,4-Dinitrotoluene (EPA limit = 0.18)		<0.050	mg/L

TraceAnalysis, Inc.

6701 Aberdeen Ave., Suite 9

Lubbock, TX 79424-1515

(806) 794-1296

Report Date: July 22, 2002 Order Number: A02070322

Page Number: 2 of 2

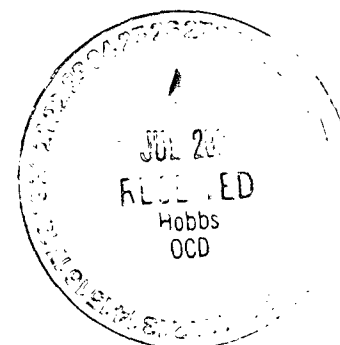
TCLP

N/A

N/A

Sample 200760 continued ...

Param	Flag	Result	Units
2,4-D (EPA limit = 10.0)		<0.050	mg/L
Hexachlorobenzene (EPA limit = 0.13)		<0.050	mg/L
2,4,5-TP (EPA limit = 1.0)		<0.050	mg/L
Pentachlorophenol (EPA limit = 100.0)		<0.050	mg/L
TCLP Volatiles			
Vinyl Chloride (EPA limit = 0.20)		<0.05	mg/L
1,1-Dichloroethene (EPA limit = 0.70)		<0.05	mg/L
Methyl ethyl ketone (EPA limit = 200.0)		<0.50	mg/L
Chloroform (EPA limit = 6.00)		<0.05	mg/L
1,2-Dichloroethane (EDC) (EPA limit = 0.50)		<0.05	mg/L
Benzene (EPA limit = 0.80)		<0.05	mg/L
Carbon Tetrachloride (EPA limit = 0.50)		<0.05	mg/L
Trichloroethene (TOE) (EPA limit = 0.50)		<0.05	mg/L
Tetrachloroethene (PCE) (EPA limit = 0.70)		<0.05	mg/L
Chlorobenzene (EPA limit = 100.00)		<0.05	mg/L
1,4-Dichlorobenzene (EPA limit = 7.50)		<0.05	mg/L



6701 Aberdeen Avenue, Ste. 9
Lubbock, Texas 79424
Tel (806) 794-1296
Fax (806) 794-1298
1 (800) 378-1286

TraceAnalysis, Inc.

155 McCulloch Blvd, Suite H
El Paso, Texas 79932
Tel (915) 505-0443
Fax (915) 505-0444
1 (800) 388-0443

Company Name:

Name: Marjo
Address: (Street, City, Zip) 505 744-3311
Contact Person: Cherie Phynale
Invoice to: (if different from above)
Project #: 505 746-5421

Phone #:

Fax #:

Project #:

Project Name:

Project Location:

Sampler Signature:

Artesia

TCLP

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX				PRESERVATIVE METHOD						SAMPLING		
				WATER	SOIL	AIR	SLUDGE	HCl	HNO ₃	H ₂ SO ₄	NaOH	ICE	NONE	DATE	TIME	
	200760D-463 catalyst	1	1L				X catalyst						X	X	7/20/02	1500

Relinquished by: <u>[Signature]</u>	Date: <u>7/20/02</u>	Time: <u>1615</u>	Received by:	Date: _____	Time: _____
Relinquished by:	Date: _____	Time: _____	Received by:	Date: _____	Time: _____
Relinquished by:	Date: _____	Time: _____	Received at laboratory by: <u>[Signature]</u>	Date: <u>7-30-02</u>	Time: <u>1000</u>

Submittal of samples constitutes agreement to Terms and Conditions listed on reverse side of C.O.C.

ORIGINAL COPY

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

LAB Order ID # AD8070322

ANALYSIS REQUEST

(Circle or Specify Method No.)

MTBE B021B/602	
BTEX B021B/602	
TPH 418.1/7X1005	
PAH B270C	
Total Metals Ag As Ba Cd Cr Pb Se Hg B010B/200.7	X
TCLP Metals Ag As Ba Cd Cr Pb Se Hg	X
TCLP Volatiles	X
TCLP Semi Volatiles	X
TCLP Pesticides	X
RCI	X
GC/MS Vol. B260B/24	
GC/MS Semi. Vol. B270C/28	
PCB's B082/808	
Pesticides B081A/808	
BOD, TSS, PH	
Turn Around Time if different from standard	

REMARKS:

LAB USE ONLY

Interact: 0 N
Headspace: Y N
Tight Seal: Y N
Log in Required: Y

☐ Check if Special Reporting Limits Are Needed

Carrier # FedEx 7904 7350 5341

7/23P

F 9/10

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-138
Revised March 17, 1999

Submit Original
Plus 1 Copy
to Appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☒ ☐ Verbal Approval Received: Yes ☐ No ☒	4. Generator Halliburton Energy Services
2. Management Facility Destination Controlled Recovery Inc.	5. Originating Site Hobbs Facility
3. Address of Facility Operator P.O. Box 388, Hobbs	6. Transporter Halliburton
7. Location of Material (Street Address or ULSTR) 5801 Lovington Hwy., Hobbs	8. State New Mexico
9. Circle One: A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job. B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved. All transporters must certify the wastes delivered are only those consigned for transport.	

BRIEF DESCRIPTION OF MATERIAL:

07-17-02

Neutralized PAD Acid Residue

Small amounts of this material that remains on the transports is returned to the Halliburton facility to be neutralized.

Enclosed is certificate of waste status and MSDS data to approve this waste stream through July 20, 2003.

Estimated Volume appx. 50 bbls. per month cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE Carmella Van Maanen TITLE: Bookkeeper DATE: 07-07-02
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Carmella Van Maanen TELEPHONE NO: (505) 393-1079

(This space for State Use)

APPROVED BY: [Signature] TITLE: Enviro Engr DATE: 7/17/02
APPROVED BY: [Signature] TITLE: Environmental Geologist DATE: 7/23/02

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
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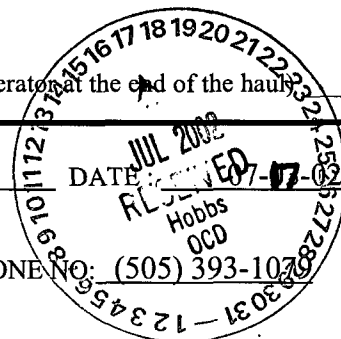
Enclosed is certificate of waste status and MSDS data to approve this waste stream through July 20, 2003.

Estimated Volume appx. 50 bbls. per month cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE Carmella Van Maanen TITLE: Bookkeeper
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Carmella Van Maanen

TELEPHONE NO. (505) 393-1078



(This space for State Use)

APPROVED BY: [Signature]

TITLE: ENR ENR

DATE: 7/17/02

APPROVED BY: _____

TITLE: _____

DATE: _____

**CERTIFICATE OF WASTE STATUS
NON-EXEMPT WASTE MATERIAL
"AS REQUIRED BY NEW MEXICO OIL CONSERVATION DIVISION"**

COMPANY/GENERATOR: Halliburton Energy Services

ADDRESS: 5801 Lovington Hwy, Hobbs NM 88240

GENERATING SITE: Halliburton Energy Services, 5801 Lovington Hwy, Hobbs, NM

COUNTY: Lea

STATE: New Mexico

TYPE OF WASTE: Neutralized PAD Acid Residue returned for job site. (Material has not gone down hole)

ESTIMATED VOLUME: 50 bbls/Month (Need 1 year approval for material)

GENERATING PROCESS: PAD Acid is an emulsified mixture of HCL acid and Xylene Bottoms. We blend the material in our facility and send it out to job sites. After the job there are small amounts of this material that remains on the transports. This material is returned to the facility, neutralized with sodium bicarbonate and/or soda ash to a PH between 6 and 8.5

REMARKS:

NMOCD FACILITY:

TRUCKING COMPANY:

As a condition of acceptance for disposal, I hereby certify that this waste is a non-exempt waste as defined by the Environmental Protection agency's EPA July 1988 Regulatory Determination. To my knowledge, this waste will be analyzed pursuant of the provisions of 40 CFR Part 261 to verify the nature as Non-Hazardous. I further certify that to my knowledge "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subpart C and D, has not been added or mixed with the waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, Sections 261.3

AGENT: _____

NAME: STEPHEN W. BAILEY

ADDRESS: 5801 LOVINGTON HWY, HOBBS, NM 88240

DATE: 7-16-02

Office

From: Stephen Bailey [Stephen.Bailey@Halliburton.com]
Sent: Tuesday, July 16, 2002 8:33 AM
To: CRI
Subject: FW: CRI CHEMICALS

Ken,

Here is the process that we follow concerning the PAD ACID. The PAD acid is a combination of hcl acid and xylene bottoms that is emulsified with WS-44. There are small amounts of the PAD acid that is returned to the facility that does not get pumped down hole. These returns get dumped into a sump at the acid dock and neutralized with sodium bicarbonate and/or soda ash. The PH is raised up to a minimum of 6 to a maximum of 8-8.5ph. The acid is neutralized and the xylene bottoms has a flash point above 140 degrees.

If you have any other questions concerning this process, please let me know.

Thanks,

Stephen W. Bailey

FSQC

505-392-0701-Office

505-631-1817-Cell

505-738-1123-Home

505-392-7062-Fax

-----Original Message-----

From: Stephen Bailey
Sent: Tuesday, July 16, 2002 8:34 AM
To: 'CRI'
Subject: FW: CRI CHEMICALS

Stephen W. Bailey

FSQC

505-392-0701-Office

505-631-1817-Cell

505-738-1123-Home

7/16/2002

505-392-7062-Fax

-----Original Message-----

From: Harvey Price

Sent: Tuesday, July 16, 2002 8:28 AM

To: Stephen Bailey

Subject: CRI CHEMICALS

<<XYLENE BOTTOMS.pdf>> <<HYDROCHLORIC ACID.pdf>> <<PAD ACID.pdf>> <<SODA ASH.pdf>>
<<SODIUM BICARBONATE.pdf>> <<WS-44.pdf>>

HARVEY PRICE

MAINTENANCE ASSOCIATE

505-392-0746 OFFICE

505-390-1609 CELLULAR

7/16/2002

Office

From: Stephen Bailey [Stephen.Bailey@Halliburton.com]
Sent: Tuesday, July 16, 2002 7:34 AM
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Subject: FW: CRI CHEMICALS

Stephen W. Bailey

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505-392-0701-Office

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HARVEY PRICE

MAINTENANCE ASSOCIATE

505-392-0746 OFFICE

505-390-1609 CELLULAR

7/16/2002

HALLIBURTON

MATERIAL SAFETY DATA SHEET

WS-44 EMULSIFYING AGENT

Revision Date: 06/13/2001

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Trade Name: WS-44 EMULSIFYING AGENT
Synonyms: None
Chemical Family: Blend
Application: Emulsifier

Manufacturer/Supplier
Halliburton Energy Services
P.O. Box 1431
Duncan, Oklahoma 73536-0431

Emergency Telephone: (800) 666-9260 or (713) 676-3000

Prepared By
Product Stewardship
Telephone: 1-580-251-4335

2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Substance</u>	<u>Weight Percent (%)</u>	<u>ACGIH TLV-TWA</u>	<u>OSHA PEL-TWA</u>
Isopropanol 67-63-0	10 - 30%	400 ppm, 983 mg/m3	400 ppm, 980 mg/M3
Heavy aromatic naphtha solvent 67891-79-6	1 - 5%	Not applicable	Not applicable
Naphthalene 91-20-3	1 - 5%	10 ppm	10 ppm

<u>Substance</u>	<u>Weight Percent (%)</u>	<u>ACGIH TLV-TWA</u>	<u>OSHA PEL-TWA</u>
Proprietary component Mixture	Unknown	Not applicable	Not applicable

3. HAZARDS IDENTIFICATION

Hazard Overview

May cause eye and skin burns. May cause respiratory irritation. May cause headache, dizziness, and other central nervous system effects. May be harmful if swallowed. May cause allergic skin reaction. Potential carcinogen. Repeated overexposure may cause liver and kidney effects. Combustible.

4. FIRST AID MEASURES

Inhalation

If inhaled, remove to fresh air. If not breathing give artificial respiration, preferably mouth-to-mouth. If breathing is difficult give oxygen. Get medical attention.

Skin

In case of contact, immediately flush skin with plenty of soap and water for at least 15 minutes. Get medical attention. Remove contaminated clothing and launder before reuse.

Eyes

In case of contact, or suspected contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention immediately after flushing.

Ingestion

Do not induce vomiting. Slowly dilute with 1-2 glasses of water or milk and seek medical attention. Never give anything by mouth to an unconscious person.

Notes to Physician

Not Applicable

5. FIRE FIGHTING MEASURES

Flash Point/Range (F):	115
Flash Point/Range (C):	46
Flash Point Method:	Not Determined
Autoignition Temperature (F):	Not Determined
Autoignition Temperature (C):	Not Determined
Flammability Limits in Air - Lower (%):	0.8
Flammability Limits in Air - Upper (%):	12

Fire Extinguishing Media

Water fog, carbon dioxide, foam, dry chemical.

Special Exposure Hazards

Use water spray to cool fire exposed surfaces. Closed containers may explode in fire. Avoid spraying water directly into storage containers due to danger of boilover. Decomposition in fire may produce toxic gases.

Special Protective Equipment for Fire-Fighters

Full protective clothing and approved self-contained breathing apparatus required for fire fighting personnel.

NFPA Ratings:

Health 3, Flammability 2, Reactivity 0

6. ACCIDENTAL RELEASE MEASURES**Personal Precautionary Measures**

Use appropriate protective equipment. Wear self-contained breathing apparatus in enclosed areas.

Environmental Precautionary Measures

Prevent from entering sewers, waterways or low areas.

Procedure for Cleaning/Absorption

Isolate spill and stop leak where safe. Remove ignition sources and work with non-sparking tools. Contain spill with sand or other inert materials. Scoop up and remove.

7. HANDLING AND STORAGE**Handling Precautions**

Avoid contact with eyes, skin, or clothing. Avoid breathing vapors. Wash hands after use. Launder contaminated clothing before reuse.

Storage Information

Store away from oxidizers. Store in a cool well ventilated area. Keep container closed when not in use.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Engineering Controls**

Use in a well ventilated area. Local exhaust ventilation should be used in areas without good cross ventilation.

Respiratory Protection

Organic vapor respirator.

Hand Protection

Impervious rubber gloves.

Skin Protection

Full protective chemical resistant clothing.

Eye Protection

Chemical goggles; also wear a face shield if splashing hazard exists.

Other Precautions

Eyewash fountains and safety showers must be easily accessible. Persons with hypersensitivity to alkyl phenol surfactants should avoid all contact.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid
Color:	Clear light yellow
Odor:	Hydrocarbon
pH:	7.5
Specific Gravity @ 20 C (Water=1):	0.98
Density @ 20 C (lbs./gallon):	8.16

Bulk Density @ 20 C (lbs/ft3):	Not Determined
Boiling Point/Range (F):	330
Boiling Point/Range (C):	165
Freezing Point/Range (F):	Not Determined
Freezing Point/Range (C):	Not Determined
Vapor Pressure @ 20 C (mmHg):	5
Vapor Density (Air=1):	Not Determined
Percent Volatiles:	12
Evaporation Rate (Butyl Acetate=1):	Not Determined
Solubility in Water (g/100ml):	Disperses
Solubility in Solvents (g/100ml):	Not Determined
Solubility in Sea Water (g/100ml):	Not Determined
VOCs (lbs./gallon):	Not Determined
Viscosity, Dynamic @ 20 C (centipoise):	Not Determined
Viscosity, Kinematic @ 20 C (centistrokes):	Not Determined
Partition Coefficient/n-Octanol/Water:	Not Determined
Molecular Weight (g/mole):	Not Determined

10. STABILITY AND REACTIVITY

Stability Data: Stable

Hazardous Polymerization: Will Not Occur

Conditions to Avoid

Keep away from heat, sparks and flame.

Incompatibility (Materials to Avoid)

Strong oxidizers.

Hazardous Decomposition Products

Carbon monoxide and carbon dioxide.

Additional Guidelines

Not Applicable

11. TOXICOLOGICAL INFORMATION

Principle Route of Exposure

Eye or skin contact, inhalation.

Inhalation

Causes severe respiratory irritation. This material is an anesthetic. May cause central nervous system depression including headache, dizziness, drowsiness, incoordination, slowed reaction time, slurred speech, giddiness and unconsciousness.

Skin Contact

May cause skin irritation. May cause an allergic skin reaction.

Eye Contact

Causes severe eye irritation May cause eye burns.

Ingestion

Irritation of the mouth, throat, and stomach. May cause abdominal pain, vomiting, nausea, and diarrhea.

Aggravated Medical Conditions

Skin disorders.

Chronic Effects/Carcinogenicity

This product contains significant amounts of polynuclear aromatic hydrocarbons (PNA). Certain PNAs have been shown to cause skin cancer in laboratory animals and may also cause cancer of the lungs and other sites. Contains petroleum distillates which have been shown to cause skin cancer in laboratory animals. Formaldehyde and possibly paraformaldehyde may react with hydrochloric acid to form bis-chloromethyl ether, a known carcinogen. Repeated overexposure may cause liver and kidney effects. Prolonged or repeated exposure may cause embryo and fetus toxicity.

Other Information

None known.

Toxicity Tests

Oral Toxicity: Not determined

Dermal Toxicity: Not determined

Inhalation Toxicity: Not determined

Primary Irritation Effect: Not determined

Carcinogenicity

Not determined

Genotoxicity: Not determined

Reproductive/Developmental

Toxicity: Not determined

12. ECOLOGICAL INFORMATION**Mobility (Water/Soil/Air)**

Not determined

Persistence/Degradability

Not determined

Bio-accumulation

Not Determined

Ecotoxicological Information**Acute Fish Toxicity:**

Not determined

Acute Crustaceans Toxicity:

Not determined

Acute Algae Toxicity:

Not determined

Chemical Fate Information

Not determined

Other Information

Not applicable

13. DISPOSAL CONSIDERATIONS

Disposal Method

Disposal should be made in accordance with federal, state and local regulations.

Contaminated Packaging

If empty container retains product residues, all label precautions must be observed. Store away from ignition sources. Transport with all closures in place. Return for reuse or disposal according to national or local regulations.

14. TRANSPORT INFORMATION

Land Transportation

DOT

Flammable Liquid, N.O.S., 3, UN1993, III, (46.1 C)
(Contains Petroleum Naphtha)

NAERG 128

Canadian TDG

Flammable Liquid, N.O.S., 3, UN1993, III
(Contains Petroleum Naphtha)

ADR

UN1993, Flammable Liquid, N.O.S., 3, III
(Contains Petroleum Naphtha)

Air Transportation

ICAO/IATA

Flammable Liquid, N.O.S., 3, UN1993, III
(Contains Petroleum Naphtha Solution)

Sea Transportation

IMDG

Flammable Liquid, N.O.S. (Contains Petroleum Naphtha), 3.3, UN1993, III, (46.1 C)
EMS 3-07

Other Shipping Information

15. REGULATORY INFORMATION

US Regulations

US TSCA Inventory

All components listed on inventory.

EPA SARA Title III Extremely Hazardous Substances

Not applicable

EPA SARA (311,312) Hazard Class

Acute Health Hazard
Chronic Health Hazard
Fire Hazard

EPA SARA (313) Chemicals

This product contains toxic chemical(s) listed below which is(are) subject to the reporting requirements of Section 313 of Title III of SARA and 40 CFR Part 372:

Naphthalene//91-20-3
Isopropanol//67-63-0

EPA CERCLA/Superfund Reportable Spill Quantity For This Product

EPA Reportable Spill Quantity is 613 Gallons based on Naphthalene (CAS: 91-20-3).

EPA RCRA Hazardous Waste Classification

If product becomes a waste, it does meet the criteria of a hazardous waste as defined by the US EPA, because of:

Ignitability

California Proposition 65

All components listed do not apply to the California Proposition 65 Regulation.

MA Right-to-Know Law

One or more components listed.

NJ Right-to-Know Law

One or more components listed.

PA Right-to-Know Law

One or more components listed.

Canadian Regulations

Canadian DSL Inventory

All components listed on inventory.

WHMIS Hazard Class
B3 Combustible Liquids
D1B Toxic Materials

16. OTHER INFORMATION

The following sections have been revised since the last issue of this MSDS
Not applicable

Additional Information

For additional information on the use of this product, contact your local Halliburton representative.

For questions about the Material Safety Data Sheet for this or other Halliburton products, contact Product Stewardship at 1-580-251-4335.

Disclaimer Statement

This information is furnished without warranty, expressed or implied, as to accuracy or completeness. The information is obtained from various sources including the manufacturer and other third party sources. The information may not be valid under all conditions nor if this material is used in combination with other materials or in any process. Final determination of suitability of any material is the sole responsibility of the user.

*****END OF MSDS*****

MATERIAL SAFETY DATA SHEET**Product Trade Name: SODA ASH****Revision Date:** 06/04/2002**1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION****Product Trade Name:** SODA ASH**Synonyms:** None**Chemical Family:** Carbonate**Application:** Buffer

Manufacturer/Supplier Halliburton Energy Services
P.O. Box 1431
Duncan, Oklahoma 73536-0431
Emergency Telephone: (800) 666-9260 or (713) 676-3000

Prepared By Product Stewardship
Telephone: 1-580-251-4335

2. COMPOSITION/INFORMATION ON INGREDIENTS

SUBSTANCE	CAS Number	PERCENT	ACGIH TLV-TWA	OSHA PEL-TWA
Sodium carbonate	497-19-8	60 - 100%	Not applicable	Not applicable

3. HAZARDS IDENTIFICATION

Hazard Overview May cause eye, skin, and respiratory irritation.

4. FIRST AID MEASURES

Inhalation If inhaled, remove from area to fresh air. Get medical attention if respiratory irritation develops or if breathing becomes difficult.

Skin Wash with soap and water. Get medical attention if irritation persists.

Eyes In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists.

Ingestion Do not induce vomiting. Slowly dilute with 1-2 glasses of water or milk and seek medical attention. Never give anything by mouth to an unconscious person.

Notes to Physician Not Applicable

5. FIRE FIGHTING MEASURES

Flash Point/Range (F):	Not Determined
Flash Point/Range (C):	Not Determined
Flash Point Method:	Not Determined
Autoignition Temperature (F):	Not Determined
Autoignition Temperature (C):	Not Determined
Flammability Limits in Air - Lower (%):	Not Determined
Flammability Limits in Air - Lower (oz./ft3):	Not applicable
Flammability Limits in Air - Upper (%):	Not Determined
Flammability Limits in Air - Upper (oz./ft3):	Not applicable

Fire Extinguishing Media Water fog, carbon dioxide, foam, dry chemical.

Special Exposure Hazards Decomposition in fire may produce toxic gases.

Special Protective Equipment for Fire-Fighters Full protective clothing and approved self-contained breathing apparatus required for fire fighting personnel.

NFPA Ratings: Health 2, Flammability 0, Reactivity 0

HMS Ratings: Flammability 0, Reactivity 0, Health 2

6. ACCIDENTAL RELEASE MEASURES

Personal Precautionary Measures Use appropriate protective equipment. Avoid creating and breathing dust.

Environmental Precautionary Measures Prevent from entering sewers, waterways or low areas.

Procedure for Cleaning/Absorption Scoop up and remove.

7. HANDLING AND STORAGE

Handling Precautions Avoid contact with eyes, skin, or clothing. Avoid creating or inhaling dust.

Storage Information Store away from acids. Store in a cool, dry location. Product has a shelf life of 36 months.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls Use in a well ventilated area. Localized ventilation should be used to control dust levels.

Respiratory Protection Dust/mist respirator. (95%)

Hand Protection Normal work gloves.

Skin Protection Normal work coveralls.

Eye Protection Dust proof goggles.

Other Precautions Eyewash fountains and safety showers must be easily accessible.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Powder
Color: White

Odor:	Odorless
pH:	11.5 (1% sol.)
Specific Gravity @ 20 C (Water=1):	2.5
Density @ 20 C (lbs./gallon):	Not Determined
Bulk Density @ 20 C (lbs/ft3):	48 to 62
Boiling Point/Range (F):	Not Determined
Boiling Point/Range (C):	Not Determined
Freezing Point/Range (F):	Not Determined
Freezing Point/Range (C):	Not Determined
Vapor Pressure @ 20 C (mmHg):	Not Determined
Vapor Density (Air=1):	Not Determined
Percent Volatiles:	Not Determined
Evaporation Rate (Butyl Acetate=1):	Not Determined
Solubility in Water (g/100ml):	Partially soluble
Solubility in Solvents (g/100ml):	Not Determined
VOCs (lbs./gallon):	Not Determined
Viscosity, Dynamic @ 20 C (centipoise):	Not Determined
Viscosity, Kinematic @ 20 C (centistrokes):	Not Determined
Partition Coefficient/n-Octanol/Water:	Not Determined
Molecular Weight (g/mole):	105.99

10. STABILITY AND REACTIVITY

Stability Data:	Stable
Hazardous Polymerization:	Will Not Occur
Conditions to Avoid	None anticipated
Incompatibility (Materials to Avoid)	Strong acids.
Hazardous Decomposition Products	Carbon monoxide and carbon dioxide.
Additional Guidelines	Not Applicable

11. TOXICOLOGICAL INFORMATION

Principle Route of Exposure	Eye or skin contact, inhalation.
Inhalation	May cause respiratory irritation.
Skin Contact	Prolonged or repeated contact may cause skin irritation.
Eye Contact	May cause eye irritation.
Ingestion	Irritation of the mouth, throat, and stomach.
Aggravated Medical Conditions	None known.
Chronic Effects/Carcinogenicity	No data available to indicate product or components present at greater than 1% are chronic health hazards.
Other Information	None known.
Toxicity Tests	
Oral Toxicity:	LD50: 4220 mg/kg (Rat)
Dermal Toxicity:	Not determined

Inhalation Toxicity:	Not determined
Primary Irritation Effect:	Not determined
Carcinogenicity	Not determined
Genotoxicity:	Not determined
Reproductive / Developmental Toxicity:	Not determined

12. ECOLOGICAL INFORMATION

Mobility (Water/Soil/Air)	Not determined
Persistence/Degradability	Not applicable
Bio-accumulation	Not Determined

Ecotoxicological Information

Acute Fish Toxicity:	TLM24: 385 mg/l (Lepomis macrochirus)
Acute Crustaceans Toxicity:	Not determined
Acute Algae Toxicity:	Not determined

Chemical Fate Information	Not determined
Other Information	Not applicable

13. DISPOSAL CONSIDERATIONS

Disposal Method	Bury in a licensed landfill according to federal, state, and local regulations.
Contaminated Packaging	Follow all applicable national or local regulations.

14. TRANSPORT INFORMATION

Land Transportation

DOT
Not restricted

Canadian TDG
Not restricted

ADR Not restricted

Air Transportation

ICAO/IATA
Not restricted

Sea Transportation

IMDG
Not restricted

Other Shipping Information

Labels:

None

15. REGULATORY INFORMATION

US Regulations

US TSCA Inventory All components listed on inventory.

EPA SARA Title III Extremely Hazardous Substances Not applicable

EPA SARA (311,312) Hazard Class Acute Health Hazard

EPA SARA (313) Chemicals This product does not contain a toxic chemical for routine annual "Toxic Chemical Release Reporting" under Section 313 (40 CFR 372).

EPA CERCLA/Superfund Reportable Spill Quantity For This Product Not applicable.

EPA RCRA Hazardous Waste Classification If product becomes a waste, it does NOT meet the criteria of a hazardous waste as defined by the US EPA.

California Proposition 65 All components listed do not apply to the California Proposition 65 Regulation.

MA Right-to-Know Law Does not apply.

NJ Right-to-Know Law Does not apply.

PA Right-to-Know Law Does not apply.

Canadian Regulations

Canadian DSL Inventory All components listed on inventory.

WHMIS Hazard Class Non-Controlled

16. OTHER INFORMATION

The following sections have been revised since the last issue of this MSDS

Not applicable

Additional Information For additional information on the use of this product, contact your local Halliburton representative.

For questions about the Material Safety Data Sheet for this or other Halliburton products, contact Product Stewardship at 1-580-251-4335.

Disclaimer Statement This information is furnished without warranty, expressed or implied, as to accuracy or completeness. The information is obtained from various sources including the manufacturer and other third party sources. The information may not be valid under all conditions nor if this material is used in combination with other materials or in any process. Final determination of suitability of any material is the sole responsibility of the user.

END OF MSDS

HALLIBURTON

MATERIAL SAFETY DATA SHEET

PAD ACID (less than 10% HF and less than 10% HCL)

Revision Date: 06/28/2001

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Trade Name: PAD ACID (less than 10% HF and less than 10% HCL)
Synonyms: None
Chemical Family: Blend
Application: Solvent

Manufacturer/Supplier
Halliburton Energy Services
P.O. Box 1431
Duncan, Oklahoma 73536-0431

Emergency Telephone: (800) 666-9260 or (713) 676-3000

Prepared By
Product Stewardship
Telephone: 1-580-251-4335

2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Substance</u>	<u>Weight Percent (%)</u>	<u>ACGIH TLV-TWA</u>	<u>OSHA PEL-TWA</u>
Light aromatic solvent 64742-95-6	10 - 30%	Not applicable	Not applicable
Hydrochloric acid 7647-01-0	5 - 10%	5 ppm	5 ppm
Hydrofluoric acid 7664-39-3	5 - 10%	3 ppm	3 ppm

3. HAZARDS IDENTIFICATION

Hazard Overview

May cause eye, skin, and respiratory burns. May cause headache, dizziness, and other central nervous system effects.
May be harmful if swallowed. May be fatal if absorbed through the skin. Potential carcinogen.

PAD ACID (less than 10% HF and less than 10% HCL)

4. FIRST AID MEASURES

Inhalation

If inhaled, remove to fresh air. If not breathing give artificial respiration, preferably mouth-to-mouth. If breathing is difficult give oxygen. Get medical attention.

Skin

In case of contact, immediately flush skin with plenty of soap and water for at least 15 minutes. Get medical attention. Remove contaminated clothing and launder before reuse. Wearing protective gloves, apply 2.5% calcium gluconate gel at burn site rubbing continuously.

Eyes

In case of contact, or suspected contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention immediately after flushing. If available, apply 1 to 2 drops of 0.5% Pontocaine Hydrochloride into open eye. Irrigate with 1.0% calcium gluconate in normal saline for 1 to 2 hours.

Ingestion

Do not induce vomiting. Slowly dilute with 1-2 glasses of water or milk and seek medical attention. Never give anything by mouth to an unconscious person.

Notes to Physician

Not Applicable

5. FIRE FIGHTING MEASURES

Flash Point/Range (F):	Not Determined	Min:	> 140
Flash Point/Range (C):	Not Determined	Min:	> 60
Flash Point Method:	Not Determined		
Autoignition Temperature (F):	Not Determined		
Autoignition Temperature (C):	Not Determined		
Flammability Limits in Air - Lower (%):	Not Determined		
Flammability Limits in Air - Upper (%):	Not Determined		

Fire Extinguishing Media

Water fog, carbon dioxide, foam, dry chemical.

Special Exposure Hazards

Reaction with steel and certain other metals generates flammable hydrogen gas. Vapors are heavier than air and may accumulate in low areas. Vapors may travel along the ground to be ignited at distant locations. Do not allow runoff to enter waterways. Decomposition in fire may produce toxic gases.

Special Protective Equipment for Fire-Fighters

Full protective clothing and approved self-contained breathing apparatus required for fire fighting personnel.

NFPA Ratings: Health 4, Flammability 1, Reactivity 0

HMIS Ratings: Flammability 1, Reactivity 0, Health 4

6. ACCIDENTAL RELEASE MEASURES

Personal Precautionary Measures

Wear full protective gear.

Environmental Precautionary Measures

Prevent from entering sewers, waterways or low areas.

Procedure for Cleaning/Absorption

Isolate spill and stop leak where safe. Contain spill with sand or other inert materials. Neutralize to pH of 6-8. Scoop up and remove.

7. HANDLING AND STORAGE**Handling Precautions**

Avoid contact with eyes, skin, or clothing. Avoid breathing vapors. Wash hands after use. Launder contaminated clothing before reuse.

Storage Information

Store away from alkalis. Store in a cool well ventilated area. Keep from heat, sparks, and open flames. Keep container closed when not in use.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Engineering Controls**

Use in a well ventilated area. Local exhaust ventilation should be used in areas without good cross ventilation.

Respiratory Protection

Organic vapor/acid gas respirator.

Hand Protection

Impervious rubber gloves.

Skin Protection

Full protective chemical resistant clothing.

Eye Protection

Chemical goggles; also wear a face shield if splashing hazard exists.

Other Precautions

Eyewash fountains and safety showers must be easily accessible.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid
Color:	Clear colorless
Odor:	Pungent irritating
pH:	0.5
Specific Gravity @ 20 C (Water=1):	1.11
Density @ 20 C (lbs./gallon):	9.25
Bulk Density @ 20 C (lbs/ft³):	Not Determined
Boiling Point/Range (F):	Not Determined
Boiling Point/Range (C):	Not Determined
Freezing Point/Range (F):	Not Determined
Freezing Point/Range (C):	Not Determined
Vapor Pressure @ 20 C (mmHg):	Not Determined
Vapor Density (Air=1):	Not Determined
Percent Volatiles:	100

PAD ACID (less than 10% HF and less than 10% HCL)

Evaporation Rate (Butyl Acetate=1):	Not Determined
Solubility in Water (g/100ml):	Soluble
Solubility in Solvents (g/100ml):	Not Determined
Solubility in Sea Water (g/100ml):	Soluble
VOCs (lbs./gallon):	Not Determined
Viscosity, Dynamic @ 20 C (centipoise):	Not Determined
Viscosity, Kinematic @ 20 C (centistokes):	Not Determined
Partition Coefficient/n-Octanol/Water:	Not Determined
Molecular Weight (g/mole):	Not Determined

10. STABILITY AND REACTIVITY

Stability Data: Stable

Hazardous Polymerization: Will Not Occur

Conditions to Avoid

Keep away from heat, sparks and flame.

Incompatibility (Materials to Avoid)

Contact with metals. Strong alkalis. Silicone bearing materials. Strong oxidizers.

Hazardous Decomposition Products

Flammable hydrogen gas. Chlorine. Hydrogen fluoride. Carbon monoxide and carbon dioxide.

Additional Guidelines

Not Applicable

11. TOXICOLOGICAL INFORMATION

Principle Route of Exposure

Eye or skin contact, inhalation.

Inhalation

Causes severe respiratory burns. May cause central nervous system depression including headache, dizziness, drowsiness, incoordination, slowed reaction time, slurred speech, giddiness and unconsciousness. May cause lungs to fill with fluids.

Skin Contact

Causes skin burns which may not be immediately painful or visible. Effects on skin may be delayed for 24-48 hours. May be absorbed through the skin and produce effects similar to those caused by inhalation and/or ingestion.

Eye Contact

Causes severe eye burns.

Ingestion

Causes burns of the mouth, throat and stomach. May cause damage to bones and teeth. May cause abdominal pain, vomiting, nausea, and diarrhea. Aspiration into the lungs may cause chemical pneumonitis including coughing, difficulty breathing, wheezing, coughing up blood and pneumonia, which can be fatal.

Aggravated Medical Conditions

Skin disorders. Eye ailments.

Chronic Effects/Carcinogenicity

Prolonged or repeated exposure may cause central nervous system and brain effects. Prolonged, excessive exposure may cause erosion of the teeth. Prolonged or repeated exposure may result in fluorosis. Symptoms include nausea, vomiting, loss of appetite, diarrhea, and/or constipation. Fluorosis also results in bone density increase. Contains petroleum distillates which have been shown to cause skin cancer in laboratory animals.

Other Information

None known.

Toxicity Tests

Oral Toxicity: Not determined

Dermal Toxicity: Not determined

Inhalation Toxicity: Not determined

Primary Irritation Effect: Not determined

Carcinogenicity

Not determined

Genotoxicity: Not determined

**Reproductive/Developmental
Toxicity:**

Not determined

12. ECOLOGICAL INFORMATION**Mobility (Water/Soil/Air)**

Not determined

Persistence/Degradability

Not determined

Bio-accumulation

Not Determined

Ecotoxicological Information**Acute Fish Toxicity:**

Not determined

Acute Crustaceans Toxicity:

Not determined

Acute Algae Toxicity:

Not determined

Chemical Fate Information

Not determined

Other Information

Not applicable

13. DISPOSAL CONSIDERATIONS

Disposal Method

Disposal should be made in accordance with federal, state and local regulations.

Contaminated Packaging

Follow all applicable national or local regulations.

14. TRANSPORT INFORMATION

Land Transportation

DOT

Corrosive Liquid, Acidic, Inorganic, N.O.S., 8, UN3264, II
(Contains Hydrofluoric Acid, Hydrochloric Acid)

RQ (Hydrochloric Acid - 2273 kg., Hydrofluoric Acid - 45.4 kg.)
NAERG 154

Canadian TDG

Corrosive Liquid, N.O.S., 8, (9.2), UN1760, II
(Contains Hydrofluoric Acid, Hydrochloric Acid)

ADR

UN3264, Corrosive Liquid, Acidic, Inorganic, N.O.S., 8, II
(Contains Hydrofluoric Acid, Hydrochloric Acid)

Air Transportation

ICAO/IATA

Corrosive Liquid, Acidic, Inorganic, N.O.S., 8, UN3264, II
(Contains Hydrofluoric Acid, Hydrochloric Acid Solution)
RQ (Hydrochloric Acid - 2273 kg., Hydrofluoric Acid - 45.4 kg.)

Sea Transportation

IMDG

Corrosive Liquid, Acidic, Inorganic, N.O.S. (Contains Hydrofluoric Acid, Hydrochloric Acid), 8, UN3264, II
RQ (Hydrochloric Acid - 2273 kg., Hydrofluoric Acid - 45.4 kg.)
EMS 8-15

Other Shipping Information

Labels: Corrosive

15. REGULATORY INFORMATION

US Regulations

US TSCA Inventory

All components listed on inventory.

EPA SARA Title III Extremely Hazardous Substances

CAS: 7664-39-3//Chemical Name: Hydrogen Fluoride//TPQ: 500

EPA SARA (311,312) Hazard Class

Acute Health Hazard
Chronic Health Hazard
Fire Hazard

EPA SARA (313) Chemicals

This product contains toxic chemical(s) listed below which is(are) subject to the reporting requirements of Section 313 of Title III of SARA and 40 CFR Part 372:
Hydrogen Fluoride//7664-39-3

EPA CERCLA/Superfund Reportable Spill Quantity For This Product

EPA Reportable Spill Quantity is 180 Gallons based on Hydrofluoric acid (CAS: 7664-39-3).

EPA RCRA Hazardous Waste Classification

If product becomes a waste, it does meet the criteria of a hazardous waste as defined by the US EPA, because of:

Corrosivity

California Proposition 65

All components listed do not apply to the California Proposition 65 Regulation.

MA Right-to-Know Law

One or more components listed.

NJ Right-to-Know Law

One or more components listed.

PA Right-to-Know Law

One or more components listed.

Canadian Regulations

Canadian DSL Inventory

All components listed on inventory.

WHMIS Hazard Class

E Corrosive Material
B3 Combustible Liquids

16. OTHER INFORMATION

The following sections have been revised since the last issue of this MSDS

Not applicable

Additional Information

For additional information on the use of this product, contact your local Halliburton representative.

For questions about the Material Safety Data Sheet for this or other Halliburton products, contact Product Stewardship at 1-580-251-4335.

Disclaimer Statement

This information is furnished without warranty, expressed or implied, as to accuracy or completeness. The information is obtained from various sources including the manufacturer and other third party sources. The information may not be valid under all conditions nor if this material is used in combination with other materials or in any process. Final determination of suitability of any material is the sole responsibility of the user.

*****END OF MSDS*****

HALLIBURTON

MATERIAL SAFETY DATA SHEET

HYDROCHLORIC ACID

Revision Date: 08/15/2001

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Trade Name: HYDROCHLORIC ACID
Synonyms: None
Chemical Family: Inorganic acid
Application: Solvent

Manufacturer/Supplier
Halliburton Energy Services
P.O. Box 1431
Duncan, Oklahoma 73536-0431

Emergency Telephone: (800) 666-9260 or (713) 676-3000

Prepared By
Product Stewardship
Telephone: 1-580-251-4335

2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Substance</u>	<u>Weight Percent (%)</u>	<u>ACGIH TLV-TWA</u>	<u>OSHA PEL-TWA</u>
Hydrochloric acid 7647-01-0	30 - 60%	5 ppm	5 ppm

3. HAZARDS IDENTIFICATION

Hazard Overview

May cause eye, skin, and respiratory burns. May be harmful if swallowed.

4. FIRST AID MEASURES

Inhalation

If inhaled, remove to fresh air. If not breathing give artificial respiration, preferably mouth-to-mouth. If breathing is difficult

give oxygen. Get medical attention.

Skin

In case of contact, immediately flush skin with plenty of soap and water for at least 15 minutes. Get medical attention. Remove contaminated clothing and launder before reuse.

Eyes

In case of contact, or suspected contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention immediately after flushing.

Ingestion

Do not induce vomiting. Slowly dilute with 1-2 glasses of water or milk and seek medical attention. Never give anything by mouth to an unconscious person.

Notes to Physician

Not Applicable

5. FIRE FIGHTING MEASURES

Flash Point/Range (F):	Not Determined
Flash Point/Range (C):	Not Determined
Flash Point Method:	Not Determined
Autoignition Temperature (F):	Not Determined
Autoignition Temperature (C):	Not Determined
Flammability Limits in Air - Lower (%):	Not Determined
Flammability Limits in Air - Upper (%):	Not Determined

Fire Extinguishing Media

Water fog, carbon dioxide, foam, dry chemical.

Special Exposure Hazards

May form explosive mixtures with strong alkalis. Decomposition in fire may produce toxic gases. Reaction with steel and certain other metals generates flammable hydrogen gas. Do not allow runoff to enter waterways.

Special Protective Equipment for Fire-Fighters

Full protective clothing and approved self-contained breathing apparatus required for fire fighting personnel.

NFPA Ratings: Health 3, Flammability 0, Reactivity 1

HMIS Ratings: Flammability 0, Reactivity 1, Health 3

6. ACCIDENTAL RELEASE MEASURES

Personal Precautionary Measures

Use appropriate protective equipment.

Environmental Precautionary Measures

Prevent from entering sewers, waterways or low areas.

Procedure for Cleaning/Absorption

Isolate spill and stop leak where safe. Contain spill with sand or other inert materials. Neutralize to pH of 6-8. Scoop up and remove.

7. HANDLING AND STORAGE

Handling Precautions

Avoid contact with eyes, skin, or clothing. Avoid breathing vapors. Wash hands after use. Launder contaminated clothing before reuse.

Storage Information

Store away from alkalis. Store in a cool well ventilated area. Keep container closed when not in use.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls

Use in a well ventilated area. Local exhaust ventilation should be used in areas without good cross ventilation.

Respiratory Protection

Acid gas respirator.

Hand Protection

Impervious rubber gloves.

Skin Protection

Full protective chemical resistant clothing.

Eye Protection

Chemical goggles; also wear a face shield if splashing hazard exists.

Other Precautions

Eyewash fountains and safety showers must be easily accessible.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid
Color:	Clear colorless
Odor:	Pungent acid
pH:	0.8
Specific Gravity @ 20 C (Water=1):	1.16
Density @ 20 C (lbs./gallon):	9.66
Bulk Density @ 20 C (lbs/ft ³):	Not Determined
Boiling Point/Range (F):	230
Boiling Point/Range (C):	110
Freezing Point/Range (F):	-50
Freezing Point/Range (C):	-46
Vapor Pressure @ 20 C (mmHg):	26
Vapor Density (Air=1):	Not Determined
Percent Volatiles:	35
Evaporation Rate (Butyl Acetate=1):	Not Determined
Solubility in Water (g/100ml):	Soluble
Solubility in Solvents (g/100ml):	Not Determined
Solubility in Sea Water (g/100ml):	Soluble
VOCs (lbs./gallon):	Not Determined
Viscosity, Dynamic @ 20 C (centipoise):	Not Determined
Viscosity, Kinematic @ 20 C (centistrokes):	Not Determined

Partition Coefficient/n-Octanol/Water:
Molecular Weight (g/mole):

Not Determined
36.5

10. STABILITY AND REACTIVITY

Stability Data: Stable

Hazardous Polymerization: Will Not Occur

Conditions to Avoid
None anticipated

Incompatibility (Materials to Avoid)
Strong alkalis.

Hazardous Decomposition Products
Flammable hydrogen gas. Chlorine. Hydrogen sulfide.

Additional Guidelines
Not Applicable

11. TOXICOLOGICAL INFORMATION

Principle Route of Exposure
Eye or skin contact, inhalation.

Inhalation
Causes severe respiratory irritation.

Skin Contact
May cause skin burns.

Eye Contact
May cause eye burns.

Ingestion
Causes burns of the mouth, throat and stomach.

Aggravated Medical Conditions
Skin disorders.

Chronic Effects/Carcinogenicity
Prolonged, excessive exposure may cause erosion of the teeth.

Other Information
None known.

Toxicity Tests

Oral Toxicity: Not determined

Dermal Toxicity: Not determined

Inhalation Toxicity: LC50: 3124 ppm/1 hr. (Rat)

Primary Irritation Effect: Not determined

Carcinogenicity
Not determined

Genotoxicity: Not determined

Reproductive/Developmental Toxicity: Not determined

12. ECOLOGICAL INFORMATION

Mobility (Water/Soil/Air)
Not determined

Persistence/Degradability
Not determined

Bio-accumulation
Not Determined

Ecotoxicological Information

Acute Fish Toxicity:
Not determined

Acute Crustaceans Toxicity:
Not determined

Acute Algae Toxicity:
Not determined

Chemical Fate Information
Not determined

Other Information
Not applicable

13. DISPOSAL CONSIDERATIONS

Disposal Method
Disposal should be made in accordance with federal, state and local regulations.

Contaminated Packaging
Follow all applicable national or local regulations.

14. TRANSPORT INFORMATION

Land Transportation

DOT

Hydrochloric Acid Solution, 8, UN1789, II
NAERG 157

Canadian TDG

Hydrochloric Acid Solution, 8, (9.2), UN1789, II

ADR

UN1789, Hydrochloric Acid Solution, 8, II

Air Transportation

ICAO/IATA

Hydrochloric Acid Solution, 8, UN1789, II

Sea Transportation

IMDG

Hydrochloric Acid Solution, 8, UN1789, II
EMS 8-03

Other Shipping Information

Labels: Corrosive

15. REGULATORY INFORMATION

US Regulations

US TSCA Inventory

All components listed on inventory.

EPA SARA Title III Extremely Hazardous Substances

Not applicable

EPA SARA (311,312) Hazard Class

Acute Health Hazard

EPA SARA (313) Chemicals

This product does not contain a toxic chemical for routine annual "Toxic Chemical Release Reporting" under Section 313 (40 CFR 372).

EPA CERCLA/Superfund Reportable Spill Quantity For This Product

EPA Reportable Spill Quantity is 1592 Gallons based on Hydrochloric acid (CAS: 7647-01-0).

EPA RCRA Hazardous Waste Classification

If product becomes a waste, it does meet the criteria of a hazardous waste as defined by the US EPA, because of:

Corrosivity

California Proposition 65

All components listed do not apply to the California Proposition 65 Regulation.

MA Right-to-Know Law

One or more components listed.

NJ Right-to-Know Law

One or more components listed.

PA Right-to-Know Law

One or more components listed.

Canadian Regulations

Canadian DSL Inventory

All components listed on inventory.

WHMIS Hazard Class

E Corrosive Material

16. OTHER INFORMATION

The following sections have been revised since the last issue of this MSDS

Not applicable

Additional Information

For additional information on the use of this product, contact your local Halliburton representative.

For questions about the Material Safety Data Sheet for this or other Halliburton products, contact Product Stewardship at 1-580-251-4335.

Disclaimer Statement

This information is furnished without warranty, expressed or implied, as to accuracy or completeness. The information is obtained from various sources including the manufacturer and other third party sources. The information may not be valid under all conditions nor if this material is used in combination with other materials or in any process. Final determination of suitability of any material is the sole responsibility of the user.

*****END OF MSDS*****

HALLIBURTON

MATERIAL SAFETY DATA SHEET

SODIUM BICARBONATE

Revision Date: 06/28/2001

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Trade Name: SODIUM BICARBONATE
Synonyms: None
Chemical Family: Carbonate
Application: Buffer

Manufacturer/Supplier
Halliburton Energy Services
P.O. Box 1431
Duncan, Oklahoma 73536-0431

Emergency Telephone: (800) 666-9260 or (713) 676-3000

Prepared By
Product Stewardship
Telephone: 1-580-251-4335

2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Substance</u>	<u>Weight Percent (%)</u>	<u>ACGIH TLV-TWA</u>	<u>OSHA PEL-TWA</u>
Sodium bicarbonate 144-55-8	60 - 100%	10 mg/m3	15 mg/m3

3. HAZARDS IDENTIFICATION

Hazard Overview
May cause eye, skin, and respiratory irritation.

4. FIRST AID MEASURES

Inhalation
If inhaled, remove from area to fresh air. Get medical attention if respiratory irritation develops or if breathing becomes

difficult.

Skin

Wash with soap and water. Get medical attention if irritation persists.

Eyes

In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists.

Ingestion

Under normal conditions, first aid procedures are not required.

Notes to Physician

Not Applicable

5. FIRE FIGHTING MEASURES

Flash Point/Range (F): Not Determined

Flash Point/Range (C): Not Determined

Flash Point Method: Not Determined

Autoignition Temperature (F): Not Determined

Autoignition Temperature (C): Not Determined

Flammability Limits in Air - Lower (%): Not Determined

Flammability Limits in Air - Upper (%): Not Determined

Fire Extinguishing Media

All standard firefighting media.

Special Exposure Hazards

Not applicable.

Special Protective Equipment for Fire-Fighters

Not applicable.

NFPA Ratings:

Health 0, Flammability 0, Reactivity 0

HMIS Ratings:

Flammability 0, Reactivity 0, Health 0

6. ACCIDENTAL RELEASE MEASURES**Personal Precautionary Measures**

Use appropriate protective equipment. Avoid creating and breathing dust.

Environmental Precautionary Measures

Prevent from entering sewers, waterways or low areas.

Procedure for Cleaning/Absorption

Scoop up and remove.

7. HANDLING AND STORAGE**Handling Precautions**

Avoid creating or inhaling dust.

Storage Information

Store away from acids. Store in a dry location.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls

A well ventilated area to control dust levels. Local exhaust ventilation should be used in areas without good cross ventilation.

Respiratory Protection

Not normally needed. But if significant exposures are possible then the following respirator is recommended. Dust/mist respirator. (95%)

Hand Protection

Normal work gloves.

Skin Protection

Normal work coveralls.

Eye Protection

Wear safety glasses or goggles to protect against exposure.

Other Precautions

None known.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Solid
Color:	White
Odor:	Odorless
pH:	8
Specific Gravity @ 20 C (Water=1):	1.87
Density @ 20 C (lbs./gallon):	Not Determined
Bulk Density @ 20 C (lbs/ft3):	41.2
Boiling Point/Range (F):	Not Determined
Boiling Point/Range (C):	Not Determined
Freezing Point/Range (F):	Not Determined
Freezing Point/Range (C):	Not Determined
Vapor Pressure @ 20 C (mmHg):	Not Determined
Vapor Density (Air=1):	Not Determined
Percent Volatiles:	Not Determined
Evaporation Rate (Butyl Acetate=1):	Not Determined
Solubility in Water (g/100ml):	Soluble
Solubility in Solvents (g/100ml):	Not Determined
Solubility in Sea Water (g/100ml):	Soluble
VOCs (lbs./gallon):	Not Determined
Viscosity, Dynamic @ 20 C (centipoise):	Not Determined
Viscosity, Kinematic @ 20 C (centistokes):	Not Determined
Partition Coefficient/n-Octanol/Water:	Not Determined
Molecular Weight (g/mole):	Not Determined

10. STABILITY AND REACTIVITY

Stability Data: Stable

Hazardous Polymerization: Will Not Occur

Conditions to Avoid

None anticipated

Incompatibility (Materials to Avoid)

Strong acids.

Hazardous Decomposition Products

Carbon monoxide and carbon dioxide.

Additional Guidelines

Not Applicable

11. TOXICOLOGICAL INFORMATION

Principle Route of Exposure

Eye or skin contact, inhalation.

Inhalation

May cause mild respiratory irritation.

Skin Contact

May cause mild skin irritation.

Eye Contact

May cause eye irritation.

Ingestion

None known

Aggravated Medical Conditions

None known.

Chronic Effects/Carcinogenicity

No data available to indicate product or components present at greater than 1% are chronic health hazards.

Other Information

None known.

Toxicity Tests

Oral Toxicity: LD50: 4220 mg/kg (Rat)

Dermal Toxicity: Not determined

Inhalation Toxicity: Not determined

Primary Irritation Effect: Not determined

Carcinogenicity
Not determined

Genotoxicity: Not determined

**Reproductive/Developmental
Toxicity:** Not determined

12. ECOLOGICAL INFORMATION

Mobility (Water/Soil/Air)
Not determined

Persistence/Degradability
Slowly biodegradable

Bio-accumulation
Not Determined

Ecotoxicological Information

Acute Fish Toxicity:
Not determined

Acute Crustaceans Toxicity:
Not determined

Acute Algae Toxicity:
Not determined

Chemical Fate Information
Not determined

Other Information
Not applicable

13. DISPOSAL CONSIDERATIONS

Disposal Method
Bury in a licensed landfill according to federal, state, and local regulations.

Contaminated Packaging
Follow all applicable national or local regulations.

14. TRANSPORT INFORMATION

Land Transportation

DOT

Not restricted

Canadian TDG

Not restricted

ADR

Not restricted

Air Transportation

ICAO/IATA

Not restricted

Sea Transportation

IMDG

Not restricted

Other Shipping Information

Labels: None

15. REGULATORY INFORMATION

US Regulations

US TSCA Inventory

All components listed on inventory.

EPA SARA Title III Extremely Hazardous Substances

Not applicable

EPA SARA (311,312) Hazard Class

None

EPA SARA (313) Chemicals

This product does not contain a toxic chemical for routine annual "Toxic Chemical Release Reporting" under Section 313 (40 CFR 372).

EPA CERCLA/Superfund Reportable Spill Quantity For This Product

Not applicable.

EPA RCRA Hazardous Waste Classification

If product becomes a waste, it does NOT meet the criteria of a hazardous waste as defined by the US EPA.

California Proposition 65

All components listed do not apply to the California Proposition 65 Regulation.

MA Right-to-Know Law

Does not apply.

NJ Right-to-Know Law

Does not apply.

PA Right-to-Know Law

Does not apply.

Canadian Regulations

Canadian DSL Inventory

All components listed on inventory.

WHMIS Hazard Class

Non-Controlled

16. OTHER INFORMATION

The following sections have been revised since the last issue of this MSDS

Not applicable

Additional Information

For additional information on the use of this product, contact your local Halliburton representative.

For questions about the Material Safety Data Sheet for this or other Halliburton products, contact Product Stewardship at 1-580-251-4335.

Disclaimer Statement

This information is furnished without warranty, expressed or implied, as to accuracy or completeness. The information is obtained from various sources including the manufacturer and other third party sources. The information may not be valid under all conditions nor if this material is used in combination with other materials or in any process. Final determination of suitability of any material is the sole responsibility of the user.

*****END OF MSDS*****

HALLIBURTON

MATERIAL SAFETY DATA SHEET

XYLENE BOTTOMS

Revision Date: 06/13/2001

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Trade Name: XYLENE BOTTOMS
Synonyms: None
Chemical Family: Aromatic hydrocarbon
Application: Solvent

Manufacturer/Supplier
Halliburton Energy Services
P.O. Box 1431
Duncan, Oklahoma 73536-0431

Emergency Telephone: (800) 666-9260 or (713) 676-3000

Prepared By
Product Stewardship
Telephone: 1-580-251-4335

2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Substance</u>	<u>Weight Percent (%)</u>	<u>ACGIH TLV-TWA</u>	<u>OSHA PEL-TWA</u>
Xylene 1330-20-7	60 - 100%	100 ppm	100 ppm
Toluene 108-88-3	1 - 5%	50 ppm	200 ppm
Benzene 71-43-2	1 - 5%	0.5 ppm	1 ppm

3. HAZARDS IDENTIFICATION

Hazard Overview

May cause eye and skin irritation. May cause headache, dizziness, and other central nervous system effects. May be harmful if swallowed. May be absorbed through the skin. Repeated overexposure may cause liver and kidney effects. Potential carcinogen. Combustible.

4. FIRST AID MEASURES

Inhalation

If inhaled, remove to fresh air. If not breathing give artificial respiration, preferably mouth-to-mouth. If breathing is difficult give oxygen. Get medical attention.

Skin

In case of contact, immediately flush skin with plenty of soap and water for at least 15 minutes. Get medical attention. Remove contaminated clothing and launder before reuse.

Eyes

In case of contact, or suspected contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention immediately after flushing.

Ingestion

Get medical attention! If vomiting occurs, keep head lower than hips to prevent aspiration.

Notes to Physician

Not Applicable

5. FIRE FIGHTING MEASURES

Flash Point/Range (F):	111
Flash Point/Range (C):	43
Flash Point Method:	Not Determined
Autoignition Temperature (F):	Not Determined
Autoignition Temperature (C):	Not Determined
Flammability Limits in Air - Lower (%):	Not Determined
Flammability Limits in Air - Upper (%):	Not Determined

Fire Extinguishing Media

Carbon Dioxide, Dry Chemicals, Foam.

Special Exposure Hazards

May be ignited by heat, sparks or flames. Use water spray to cool fire exposed surfaces. Closed containers may explode in fire. Avoid spraying water directly into storage containers due to danger of boilover. Decomposition in fire may produce toxic gases. Vapors are heavier than air and may accumulate in low areas. Vapors may travel along the ground to be ignited at distant locations.

Special Protective Equipment for Fire-Fighters

Full protective clothing and approved self-contained breathing apparatus required for fire fighting personnel.

NFPA Ratings: Health 3, Flammability 3, Reactivity 0

HMIS Ratings: Flammability 3, Reactivity 0, Health 3

6. ACCIDENTAL RELEASE MEASURES

Personal Precautionary Measures

Use appropriate protective equipment. Wear self-contained breathing apparatus in enclosed areas.

Environmental Precautionary Measures

Prevent from entering sewers, waterways or low areas.

Procedure for Cleaning/Absorption

Isolate spill and stop leak where safe. Remove ignition sources and work with non-sparking tools. Contain spill with sand or other inert materials. Scoop up and remove.

7. HANDLING AND STORAGE

Handling Precautions

Avoid contact with eyes, skin, or clothing. Avoid breathing vapors. Wash hands after use. Launder contaminated clothing before reuse.

Storage Information

Store away from oxidizers. Keep from heat, sparks, and open flames. Keep container closed when not in use.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls

Use in a well ventilated area. Local exhaust ventilation should be used in areas without good cross ventilation.

Respiratory Protection

Organic vapor respirator.

Hand Protection

Impervious rubber gloves.

Skin Protection

Rubber apron.

Eye Protection

Chemical goggles; also wear a face shield if splashing hazard exists.

Other Precautions

Eyewash fountains and safety showers must be easily accessible.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid
Color:	Clear colorless
Odor:	Aromatic hydrocarbon
pH:	Not Determined
Specific Gravity @ 20 C (Water=1):	0.89
Density @ 20 C (lbs./gallon):	7.41
Bulk Density @ 20 C (lbs/ft³):	Not Determined
Boiling Point/Range (F):	Not Determined
Boiling Point/Range (C):	Not Determined
Freezing Point/Range (F):	Not Determined
Freezing Point/Range (C):	Not Determined
Vapor Pressure @ 20 C (mmHg):	Not Determined
Vapor Density (Air=1):	Not Determined
Percent Volatiles:	100
Evaporation Rate (Butyl Acetate=1):	Not Determined
Solubility in Water (g/100ml):	Insoluble

Solubility in Solvents (g/100ml):	Not Determined
Solubility in Sea Water (g/100ml):	Insoluble
VOCs (lbs./gallon):	Not Determined
Viscosity, Dynamic @ 20 C (centipoise):	Not Determined
Viscosity, Kinematic @ 20 C (centistokes):	Not Determined
Partition Coefficient/n-Octanol/Water:	Not Determined
Molecular Weight (g/mole):	Not Determined

10. STABILITY AND REACTIVITY

Stability Data: Stable

Hazardous Polymerization: Will Not Occur

Conditions to Avoid

Keep away from heat, sparks and flame.

Incompatibility (Materials to Avoid)

Strong oxidizers.

Hazardous Decomposition Products

Toxic fumes. Carbon monoxide and carbon dioxide.

Additional Guidelines

Not Applicable

11. TOXICOLOGICAL INFORMATION

Principle Route of Exposure

Eye or skin contact, inhalation.

Inhalation

May cause respiratory irritation. May cause central nervous system depression including headache, dizziness, drowsiness, incoordination, slowed reaction time, slurred speech, giddiness and unconsciousness.

Skin Contact

May cause skin defatting with prolonged exposure. May be absorbed through the skin and produce effects similar to those caused by inhalation and/or ingestion.

Eye Contact

Causes severe eye irritation May cause eye burns.

Ingestion

Irritation of the mouth, throat, and stomach. May cause abdominal pain, vomiting, nausea, and diarrhea. May cause central nervous system depression including headache, dizziness, drowsiness, muscular weakness, incoordination, slowed reaction time, fatigue blurred vision, slurred speech, giddiness, tremors and convulsions. Aspiration into the lungs may cause chemical pneumonitis including coughing, difficulty breathing, wheezing, coughing up blood and pneumonia, which can be fatal. May cause pulmonary edema.

Aggravated Medical Conditions

Skin disorders. Eye ailments. Lung disorders.

Chronic Effects/Carcinogenicity

Prolonged or repeated exposure may cause eye, blood, lung, liver, kidney, heart, central nervous system and spleen damage. Contains benzene, a known carcinogen, over-exposures may result in bone marrow depression possibly leading to leukemia.

Other Information

None known.

Toxicity Tests

Oral Toxicity: Not determined

Dermal Toxicity: Not determined

Inhalation Toxicity: Not determined

Primary Irritation Effect: Not determined

Carcinogenicity

Not determined

Genotoxicity: Not determined

Reproductive/Developmental

Toxicity: Not determined

12. ECOLOGICAL INFORMATION**Mobility (Water/Soil/Air)**

Not determined

Persistence/Degradability

Slowly biodegradable

Bio-accumulation

Not Determined

Ecotoxicological Information**Acute Fish Toxicity:**

Not determined

Acute Crustaceans Toxicity:

Not determined

Acute Algae Toxicity:

Not determined

Chemical Fate Information

Not determined

Other Information

Not applicable

13. DISPOSAL CONSIDERATIONS

Disposal Method

Disposal should be made in accordance with federal, state and local regulations.

Contaminated Packaging

Empty container completely. Transport with all closures in place. Return for reuse or disposal in a sanitary landfill according to national or local regulations.

14. TRANSPORT INFORMATION**Land Transportation****DOT**

Petroleum Distillates, N.O.S., UN1268, III, (43.9 C)

Canadian TDG

Petroleum Distillates, N.O.S., UN1268, III

ADR

UN1268, Petroleum Distillates, N.O.S., III

Air Transportation**ICAO/IATA**

Petroleum Distillates, N.O.S., UN1268, III

Sea Transportation**IMDG**

Petroleum Distillates, N.O.S., UN1268, III, (43.9 C)
EMS 3-07

Other Shipping Information

Labels: Combustible

15. REGULATORY INFORMATION**US Regulations****US TSCA Inventory**

All components listed on inventory.

EPA SARA Title III Extremely Hazardous Substances

Not applicable

EPA SARA (311,312) Hazard Class

Acute Health Hazard
Chronic Health Hazard
Fire Hazard

EPA SARA (313) Chemicals

This product contains toxic chemical(s) listed below which is(are) subject to the reporting requirements of Section 313 of Title III of SARA and 40 CFR Part 372:

Benzene//71-43-2
Toluene//108-88-3
Xylene//1330-20-7

EPA CERCLA/Superfund Reportable Spill Quantity For This Product

EPA Reportable Spill Quantity is 19 Gallons based on Xylene (CAS: 1330-20-7).

EPA RCRA Hazardous Waste Classification

If product becomes a waste, it does meet the criteria of a hazardous waste as defined by the US EPA, because of:

Ignitability

California Proposition 65

The California Proposition 65 regulations apply to this product.

MA Right-to-Know Law

One or more components listed.

NJ Right-to-Know Law

One or more components listed.

PA Right-to-Know Law

One or more components listed.

Canadian Regulations

Canadian DSL Inventory

All components listed on inventory.

WHMIS Hazard Class

B3 Combustible Liquids
D1A Very Toxic Materials
D1B Toxic Materials

16. OTHER INFORMATION

The following sections have been revised since the last issue of this MSDS
Not applicable

Additional Information

For additional information on the use of this product, contact your local Halliburton representative.

For questions about the Material Safety Data Sheet for this or other Halliburton products, contact Product Stewardship at 1-580-251-4335.

Disclaimer Statement

This information is furnished without warranty, expressed or implied, as to accuracy or completeness. The information is obtained from various sources including the manufacturer and other third party sources. The information may not be valid under all conditions nor if this material is used in combination with other materials or in any process. Final determination of suitability of any material is the sole responsibility of the user.

*****END OF MSDS*****

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-138
Revised March 17, 1999

Submit Original
Plus 1 Copy
to Appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☒ ☐ Verbal Approval Received: Yes ☐ No ☒	4. Generator Halliburton Energy Services
2. Management Facility Destination Controlled Recovery Inc.	5. Originating Site Hobbs Facility
3. Address of Facility Operator P.O. Box 388, Hobbs	6. Transporter CRI
7. Location of Material (Street Address or ULSTR) 5801 Lovington Hwy., Hobbs	8. State New Mexico
9. <u>Circle One</u> : A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job. B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved. All transporters must certify the wastes delivered are only those consigned for transport.	

BRIEF DESCRIPTION OF MATERIAL:

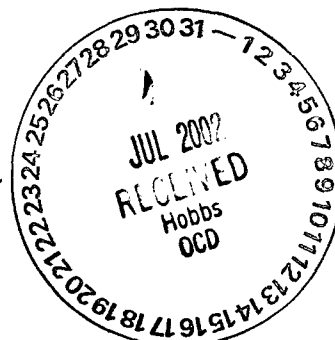
07-29-02

Waste Injectrol G

During mixing of Injectrol G, the Injectrol G flash set and was unable to pump.
This material never went into the wellbore.

Enclosed is certificate of waste status & MSDS data.

Estimated Volume appx. 300-350 gallons cy Known Volume (to be entered by the operator at the end of the haul) _____ cy



SIGNATURE Carmella Van Maanen TITLE: Bookkeeper DATE: 07-29-02
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Carmella Van Maanen TELEPHONE NO: (505) 393-1079

(This space for State Use)

APPROVED BY: [Signature] TITLE: Environ. Geol. DATE: 7/31/02
APPROVED BY: [Signature] TITLE: Environmental Geologist DATE: 8/12/02

2-202100

P.O. Box 388
Hobbs, NM 88241-0388
Phone: (505) 393-1079
Fax: (505) 393-3615

Controlled Recovery, Inc.

Fax

To: Martyne Kielsing / OCD

From: Carmella

Fax: 505-476-3462

Date: August 12, 2002

Phone:

Pages: 2, including cover

Re: Signed certificate of waste status from CC:

Stephen Bailey / Halliburton.

Thanks!!

☐ Urgent

☐ For Review

☐ Please Comment

☐ Please Reply

☐ Please Recycle

•Comments

**CERTIFICATE OF WASTE STATUS
NON-EXEMPT WASTE MATERIAL
"AS REQUIRED BY NEW MEXICO OIL CONSERVATION DIVISION"**

COMPANY/GENERATOR: Halliburton Energy Services

ADDRESS: 5801 Lovington Hwy, Hobbs NM 88240

GENERATING SITE: Halliburton Energy Services, 5801 Lovington Hwy, Hobbs, NM

COUNTY: Lea

STATE: New Mexico

TYPE OF WASTE: Waste Injectrol G
ESTIMATED VOLUME: 300-350 gallons

GENERATING PROCESS: During mixing Injectrol G, the Injectrol G flash set and was unable to pump. This material never went into the wellbore.

REMARKS: Request disposal at CRI, Hobbs, NM

NMOCF FACILITY:

TRUCKING COMPANY:

As a condition of acceptance for disposal, I hereby certify that this waste is a non-exempt waste as defined by the Environmental Protection Agency's EPA July 1980 Regulatory Determination. To my knowledge, this waste will be analyzed pursuant to the provisions of 40 CFR Part 261 to verify the nature as Non-Hazardous. I further certify that to my knowledge "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subpart C and D, has not been added or mixed with the waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, Sections 2613.

AGENT:

NAME: STEPHEN W. BAILEY

ADDRESS: 5801 LOVINGTON HWY, HOBBS, NM 88240

DATE: 8-13-02

Office

From: Stephen Bailey [Stephen.Bailey@Halliburton.com]
Sent: Thursday, July 25, 2002 4:40 PM
To: CRI
Subject: FW: MSDS FOR INJECTROL G

Attached is the msds sheet for Injectrol G and the Waste Certificate. If you need anything else, please let me know. We currently have this material stored in drums. This material is currently in a semi-solid state.

<<Injectrol G-CERT OF WASTE.doc>>

Stephen W. Bailey

FSQC

505-392-0701-Office

505-631-1817-Cell

505-738-1123-Home

505-392-7062-Fax

-----Original Message-----

From: Harvey Price
Sent: Thursday, July 25, 2002 5:31 PM
To: Stephen Bailey
Subject: MSDS FOR INJECTROL G

<<INJECTROL G.pdf>>

HARVEY PRICE

MAINTENANCE ASSOCIATE

505-392-0746 OFFICE

505-390-1609 CELLULAR

7/26/2002

**CERTIFICATE OF WASTE STATUS
NON-EXEMPT WASTE MATERIAL
"AS REQUIRED BY NEW MEXICO OIL CONSERVATION DIVISION"**

COMPANY/GENERATOR: Halliburton Energy Services

ADDRESS: 5801 Lovington Hwy, Hobbs NM 88240

GENERATING SITE: Halliburton Energy Services, 5801 Lovington Hwy, Hobbs, NM

COUNTY: Lea

STATE: New Mexico

TYPE OF WASTE: Waste Injectrol G

ESTIMATED VOLUME: 300-350 gallons

GENERATING PROCESS: During mixing Injectrol G, the Injectrol G flash set and was unable to pump. This material never went into the wellbore.

REMARKS: Request disposal at CRI, Hobbs, NM

NMOCD FACILITY:

TRUCKING COMPANY:

As a condition of acceptance for disposal, I hereby certify that this waste is a non-exempt waste as defined by the Environmental Protection agency's EPA July 1988 Regulatory Determination. To my knowledge, this waste will be analyzed pursuant of the provisions of 40 CFR Part 261 to verify the nature as Non-Hazardous. I further certify that to my knowledge "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subpart C and D, has not been added or mixed with the waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, Sections 2613>

AGENT: _____

NAME: STEPHEN W. BAILEY

ADDRESS: 5801 LOVINGTON HWY, HOBBS, NM 88240

DATE:

HALLIBURTON

Safety Data Sheet (93/112/EC)

Product Trade Name: INJECTROL G

Revision Date: 05/11/2001

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Identification of Substances or Preparation

Product Trade Name: INJECTROL G
Synonyms: None
Chemical Family: Silicate
Application: Resin

Company Undertaking Identification Halliburton Energy Services
Hill Park Court,
Springfield Drive
Eatherhead
Surrey KT22 7NL
United Kingdom
Emergency Phone Number: +44 117 927 0086 or +1 713 676 3000

Prepared By Product Stewardship
Telephone: 1-580-251-4335

2. COMPOSITION/INFORMATION ON INGREDIENTS

SUBSTANCE	CAS Number	EINECS	PERCENT	UK OEL/MEL	Germany MAK/TRK	Netherlands MAC	EEC Classification
Sodium silicate	1344-09-8	215-687-4	5 - 10%	Not applicable	Not applicable	Not applicable	Xi; R36/37/38
Sodium acid pyrophosphate	7758-16-9	231-835-0	1 - 5%	10 mg/m ³	Not applicable	Not applicable	Not applicable

3. HAZARDS IDENTIFICATION

Hazard Overview May cause respiratory irritation. May cause eye and skin burns. May be harmful if swallowed.

4. FIRST AID MEASURES

Inhalation If inhaled, remove from area to fresh air. Get medical attention if respiratory irritation develops or if breathing becomes difficult.

Skin In case of contact, immediately flush skin with plenty of soap and water for at least 15 minutes. Get medical attention. Remove contaminated clothing and launder before reuse.

Eyes In case of contact, or suspected contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention immediately after flushing.

Ingestion Do not induce vomiting. Slowly dilute with 1-2 glasses of water or milk and seek medical attention. Never give anything by mouth to an unconscious person.

Notes to Physician Not Applicable

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media Water fog, carbon dioxide, foam, dry chemical.

Unsuitable Extinguishing Media None known.

Special Exposure Hazards Decomposition in fire may produce toxic gases.

Special Protective Equipment for Fire-Fighters Full protective clothing and approved self-contained breathing apparatus required for fire fighting personnel.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautionary Measures Use appropriate protective equipment.

Environmental Precautionary Measures Prevent from entering sewers, waterways or low areas.

Procedure for Cleaning/Absorption Isolate spill and stop leak where safe. Contain spill with sand or other inert materials. Neutralize to pH of 6-8. Do NOT spread spilled product with water.

7. HANDLING AND STORAGE

Handling Precautions Avoid contact with eyes, skin, or clothing. Avoid breathing vapors. Wash hands after use. Launder contaminated clothing before reuse.

Storage Information Store away from acids. Store in a cool well ventilated area. Keep container closed when not in use.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls Use in a well ventilated area. Local exhaust ventilation should be used in areas without good cross ventilation.

Respiratory Protection Dust/mist respirator. (95%)

Hand Protection Impervious rubber gloves.

Skin Protection Full protective chemical resistant clothing.

Eye Protection Chemical goggles; also wear a face shield if splashing hazard exists.

Other Precautions Eyewash fountains and safety showers must be easily accessible.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid
Color:	Clear to hazy
Odor:	Slightly soapy
pH:	Not Determined
Specific Gravity @ 20 C (Water=1):	1.1
Density @ 20 C (kg/l):	1.098
Bulk Density @ 20 C (kg/m³):	Not Determined
Boiling Point/Range (C):	Not Determined

Freezing Point/Range (C):	Not Determined
Flash Point/Range (C):	Not Determined
Flash Point Method:	Not Determined
Autoignition Temperature (C):	Not Determined
Flammability Limits in Air - Lower (g/l):	Not Determined
Flammability Limits in Air - Lower (%):	Not Determined
Flammability Limits in Air - Upper (g/l):	Not Determined
Flammability Limits in Air - Upper (%):	Not Determined
Vapor Pressure @ 20 C (mmHg):	Not Determined
Vapor Density (Air=1):	Not Determined
Percent Volatiles:	Not Determined
Evaporation Rate (Butyl Acetate=1):	Not Determined
Solubility in Water (g/100ml):	Soluble
Solubility in Solvents (g/100ml):	Not Determined
VOCs (g/l):	Not Determined
Viscosity, Dynamic @ 20 C (centipoise):	Not Determined
Viscosity, Kinematic @ 20 C (centistokes):	Not Determined
Partition Coefficient/n-Octanol/Water:	Not Determined
Molecular Weight (g/mole):	Not Determined
Decomposition Temperature (C):	Not Determined

10. STABILITY AND REACTIVITY

Stability Data:	Stable
Hazardous Polymerization:	Will Not Occur
Conditions to Avoid	None anticipated
Incompatibility (Materials to Avoid)	Strong acids. Amphoteric metals such as aluminum, magnesium, lead, tin, or zinc.
Hazardous Decomposition Products	Toxic fumes. Oxides of phosphorus.
Additional Guidelines	Not Applicable

11. TOXICOLOGICAL INFORMATION

Principle Route of Exposure	Eye or skin contact, inhalation.
Inhalation	Causes severe respiratory irritation.
Skin Contact	Causes severe skin irritation. May cause skin burns.
Eye Contact	May cause eye burns.
Ingestion	Causes burns of the mouth, throat and stomach.
Aggravated Medical Conditions	Skin disorders.
Chronic Effects/Carcinogenicity	No data available to indicate product or components present at greater than 1% are chronic health hazards.
Other Information	None known.
Toxicity Tests	
Oral Toxicity:	LD50: 2000-3000 mg/kg (Rat)
Dermal Toxicity:	Not determined

Inhalation Toxicity:	Not determined
Primary Irritation Effect:	Not determined
Carcinogenicity	Not determined
Genotoxicity:	Not determined
Reproductive / Developmental Toxicity:	Not determined

12. ECOLOGICAL INFORMATION

Mobility (Water/Soil/Air)	Not determined
Persistence/Degradability	Not determined
Bio-accumulation	Not Determined

Ecotoxicological Information

Acute Fish Toxicity:	Not determined
Acute Crustaceans Toxicity:	Not determined
Acute Algae Toxicity:	Not determined
Chemical Fate Information	Not determined
Other Information	Not applicable

13. DISPOSAL CONSIDERATIONS

Disposal Method	Disposal should be made in accordance with federal, state, and local regulations.
Contaminated Packaging	Empty container completely. Transport with all closures in place. Return for reuse or disposal in a sanitary landfill according to national or local regulations.

14. TRANSPORT INFORMATION

Land Transportation

ADR Not restricted

Air Transportation

ICAO/IATA
Not restricted

Sea Transportation

IMDG
Not restricted

Other Shipping Information

Labels: None

15. REGULATORY INFORMATION

EC Supply labeling Requirements

This product is subject to the labeling requirements of EC Directives 67/548/EEC and 88/379/EEC as amended.

Classification

Xi - Irritant.

Risk Phrases

R36/37/38 Irritating to eyes, respiratory system and skin.

Safety Phrases

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S36 Wear suitable protective clothing.

EINECS Inventory

This product, and all its components, complies with EINECS

Germany, Water Endangering Classes (WGK)

WGK 1: Low hazard to waters.

16. OTHER INFORMATION

The following sections have been revised since the last issue of this MSDS

Not applicable

Additional Information

For additional information on the use of this product, contact your local Halliburton representative.

For questions about the Material Safety Data Sheet for this or other Halliburton products, contact Product Stewardship at 1-580-251-4335.

Component Classification

Xi - Irritant.

R36/37/38 Irritating to eyes, respiratory system and skin.

Disclaimer Statement

This information is furnished without warranty, expressed or implied, as to accuracy or completeness. The information is obtained from various sources including the manufacturer and other third party sources. The information may not be valid under all conditions nor if this material is used in combination with other materials or in any process. Final determination of suitability of any material is the sole responsibility of the user.

*****END OF MSDS*****

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-138
Revised March 17, 1999

Submit Original
Plus 1 Copy
to Appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☒ ☐ Verbal Approval Received: Yes ☐ No ☒	4. Generator Key Energy Services, Inc.
2. Management Facility Destination Controlled Recovery Inc.	5. Originating Site Carlsbad Facility
3. Address of Facility Operator P.O. Box 388, Hobbs	6. Transporter Key Energy
7. Location of Material (Street Address or ULSTR) 819 E. Greene, Carlsbad	8. State New Mexico
9. Circle One: A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job. B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved. All transporters must certify the wastes delivered are only those consigned for transport.	

BRIEF DESCRIPTION OF MATERIAL:

07-31-02

Sump Water generated from wash bay fluids

Enclosed is certificate of waste status, analytical data, and chain of custody to extend this process until August 2003.

Estimated Volume appx. 100 bbls. annually cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE Carmella Van Maanen TITLE: Bookkeeper DATE: 07-31-02
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Carmella Van Maanen TELEPHONE NO: (505) 393-1079

(This space for State Use)

APPROVED BY: [Signature] TITLE: ENVR ENGR DATE: 8/1/02
APPROVED BY: [Signature] TITLE: Environmental Geologist DATE: 8/12/02

1-202180

CERTIFICATE OF WASTE STATUS
NON-EXEMPT WASTE MATERIAL
"AS REQUIRED BY NEW MEXICO OIL CONSERVATION DIVISION"

COMPANY / GENERATOR Key Energy Serv. Inc.

ADDRESS 819 E. Green Creek Blvd NM

GENERATING SITE 405 yard

COUNTY Edgley STATE NM

TYPE OF WASTE Sump

ESTIMATED VOLUME 100 BBL. Annual

GENERATING PROCESS Wash bay fluids

REMARKS _____

NMOCD FACILITY Controlled Recovery, Inc.

TRUCKING COMPANY Key Energy Serv.

As a condition of acceptance for disposal, I hereby certify that this waste is a non-exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. To my knowledge, this waste will be analyzed pursuant to the provisions of 40 CFR Part 261 to verify the nature as non-hazardous. I further certify that to my knowledge "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has not been added or mixed with the waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, Sections 261.3.

AGENT Royce Crowell
SIGNATURE

NAME Royce Crowell
PRINTED

ADDRESS P.O. Box 2040

Hobbs NM

DATE 7/26/22

Office
Cell

393-9171
910-41857

ANALYTICAL REPORT

JOB NUMBER: 236947

Prepared For:

Arcadis G&M
11490 Westheimer
Suite 300
Houston, TX 77077

Attention: Wes Aurthur

Date: 07/05/2002


Signature

Name: Sachin G. Kudchadkar

Title: Project Manager III

E-Mail: skudchadkar@stl-inc.com

07/08/02
Date

Severn Trent Laboratories
6310 Rothway Drive
Houston, TX 77040

PHONE: (713) 690-4444

TOTAL NO. OF PAGES

34



STL Houston

07/05/2002

Wes Aurthur
Arcadis G&M
11490 Westheimer
Suite 300
Houston, TX 77077

Reference:

Project : New Mexico Key Facilities/TX000489.00002
Project No. : 236947
Date Received : 06/21/2002
STL Job : 236947

Dear Wes Aurthur:

Enclosed are the analytical results for your project referenced above. The following samples are included in the report.

1. TX489/EUNICE-01
2. TX489/CARLSBAD-01
3. TRIP BLANK 1
4. TRIP BLANK 2

All holding times were met for the tests performed on these samples.

Enclosed, please find the Quality Control Summary. All quality control results for the QC batch that are applicable to the sample(s) are acceptable except as noted in the QC batch reports.

The test results in this report meet all NELAP requirements for STL Houston's NELAP accredited parameters. Any exceptions to NELAP requirements are noted in the case narrative. The case narrative is an integral part of this report.

If the report is acceptable, please approve the enclosed invoice and forward it for payment.

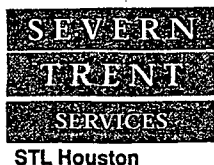
Thank you for selecting Severn-Trent Laboratories to serve as your analytical laboratory on this project. If you have any questions concerning these results, please feel free to contact me at any time.

We look forward to working with you on future projects.

Sincerely,

A handwritten signature in cursive script, appearing to read "Sachin G. Kudchadkar".

Sachin G. Kudchadkar
Project Manager



SAMPLE INFORMATION
Date: 07/05/2002

Job Number.: 236947
Customer....: Arcadis G&M
Attn.....: Wes Aurthur

Project Number.....: 99002614
Customer Project ID....: TX000489.00002
Project Description....: New Mexico Key Facilities/TX000489.00002

Laboratory Sample ID	Customer Sample ID	Sample Matrix	Date Sampled	Time Sampled	Date Received	Time Received
236947-1	TX489/EUNICE-01	Water	06/20/2002	09:56	06/21/2002	09:18
236947-2	TX489/CARLSBAD-01	Water	06/20/2002	09:56	06/21/2002	09:18
236947-3	TRIP BLANK 1	Trip Blank	06/20/2002	00:01	06/21/2002	09:18
236947-4	TRIP BLANK 2	Trip Blank	06/20/2002	00:01	06/21/2002	09:18

LABORATORY TEST RESULTS

Job Number: 236947

Date: 07/05/2002

CUSTOMER: Arcadis G&M

PROJECT: TX000489.00002

ATTN: Wes Aunthur

Customer Sample ID: TX489/EUNICE-01
Date Sampled.....: 06/20/2002
Time Sampled.....: 09:56
Sample Matrix.....: Water

Laboratory Sample ID: 236947-1
Date Received.....: 06/21/2002
Time Received.....: 09:18

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	FLAGS	REPORTING LIMIT	UNITS	DATE	TECH
EPA 300.0	Chloride, Water	1260		40	mg/L	06/25/02	cas
SW-846 6010B	Arsenic (As), Water	ND		0.020	mg/L	06/28/02	twr
SW-846 6010B	Barium (Ba), Water	0.099		0.020	mg/L	06/28/02	twr
SW-846 6010B	Cadmium (Cd), Water	ND		0.005	mg/L	06/28/02	twr
SW-846 6010B	Chromium (Cr), Water	ND		0.010	mg/L	06/28/02	twr
SW-846 6010B	Lead (Pb), Water	ND		0.010	mg/L	06/28/02	twr
SW-846 6010B	Selenium (Se), Water	ND		0.040	mg/L	06/28/02	twr
SW-846 6010B	Silver (Ag), Water	ND		0.010	mg/L	06/28/02	twr
SW-846 7470A	Mercury (Hg), Water	ND		0.20	ug/L	07/01/02	twr
SW-846 3010A	Acid Digestion, Water	Complete				06/26/02	dme
SW-846 8021B	GC Volatile Organics						
	Benzene, Water	ND		1.00	ug/L	06/25/02	maz
	Toluene, Water	ND		1.00	ug/L	06/25/02	maz
	Ethylbenzene, Water	ND		1.00	ug/L	06/25/02	maz
	Xylenes (total), Water	ND		1.00	ug/L	06/25/02	maz
SW-846 8015B	Total Volatile Petroleum Hydrocarbons TVPH as GRO, Water	ND		50.0	ug/L	07/01/02	maz
SW846 8015	Extraction (Sep Funnel) 8015 Diesel Separatory Funnel Liq/Liq Extraction, Water	Complete				06/24/02	mra
SW-846 8015B	Total Extractable Petroleum Hydrocarbons TEPH - as Diesel, Water	0.56		0.25	mg/L	06/26/02	jps

Customer Sample ID: TX489/CARLSBAD-01
Date Sampled.....: 06/20/2002
Time Sampled.....: 09:56
Sample Matrix.....: Water

Laboratory Sample ID: 236947-2
Date Received.....: 06/21/2002
Time Received.....: 09:18

EPA 300.0	Chloride, Water	176		4.0	mg/L	06/25/02	cas
SW-846 6010B	Arsenic (As), Water	ND		0.020	mg/L	06/28/02	twr
SW-846 6010B	Barium (Ba), Water	0.209		0.020	mg/L	06/28/02	twr
SW-846 6010B	Cadmium (Cd), Water	0.008		0.005	mg/L	06/28/02	twr
SW-846 6010B	Chromium (Cr), Water	ND		0.010	mg/L	06/28/02	twr

LABORATORY TEST RESULTS

Job Number: 236947

Date: 07/05/2002

CUSTOMER: Arcadis G&M

PROJECT: TX000489.00002

ATTN: Wes Aurthur

Customer Sample ID: TX489/CARLSBAD-01
Date Sampled.....: 06/20/2002
Time Sampled.....: 09:56
Sample Matrix.....: Water

Laboratory Sample ID: 236947-2
Date Received.....: 06/21/2002
Time Received.....: 09:18

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	FLAGS	REPORTING LIMIT	UNITS	DATE	TECH
SW-846 6010B	Lead (Pb), Water	0.056		0.010	mg/L	06/28/02	twr
SW-846 6010B	Selenium (Se), Water	ND		0.040	mg/L	06/28/02	twr
SW-846 6010B	Silver (Ag), Water	ND		0.010	mg/L	06/28/02	twr
SW-846 7470A	Mercury (Hg), Water	ND		0.20	ug/L	07/01/02	twr
SW-846 3010A	Acid Digestion, Water	Complete				06/26/02	dme
SW-846 8021B	GC Volatile Organics						
	Benzene, Water	21.8	.5 mg/L	1.00	ug/L	06/25/02	maz
	Toluene, Water	149		10.0	ug/L	06/25/02	maz
	Ethylbenzene, Water	23.3		1.00	ug/L	06/25/02	maz
	Xylenes (total), Water	281		3.00	ug/L	06/25/02	maz
SW-846 8015B	Total Volatile Petroleum Hydrocarbons TVPH as GRO, Water	5600		500	ug/L	07/02/02	maz
SW846 8015	Extraction (Sep Funnel) 8015 Diesel Separatory Funnel Liq/Liq Extraction, Water	Complete				06/24/02	mra
SW-846 8015B	Total Extractable Petroleum Hydrocarbons TEPH - as Diesel, Water	7.7		1.2	mg/L	06/26/02	jps



STL Houston

QUALITY CONTROL RESULTS

Job Number.: 236947

Report Date.: 07/05/2002

CUSTOMER: Arcadis G&M

PROJECT: TX000489.00002

ATTN: Wes Aurthur

Test Method.....: EPA 300.0

Method Description.: Ion Chromatography Analysis

Parameter.....: Chloride

Units.....: mg/L

Batch(s)....: 53711

Analyst....: cas

Test Code.: CHL

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result *	Limits	F	Date	Time
ICV		WCS22902	20.291		20.00		101.5	90.0-110.		06/25/2002	1457
ICB			0.2470							06/25/2002	1512
MB			0.2487							06/25/2002	1527
LCS		WCS22902	20.111		20.00		100.6	90.0-110.		06/25/2002	1542
DU	237029-1		0.3974			0.4575	0.0601	0.4000		06/25/2002	1613
MS	237029-1	WCS22781	9.7716		10.000000	0.4575	93.1	80-120		06/25/2002	1628
CCV		WCS22902	20.154		20.00		100.8	90.0-110.		06/25/2002	1759
CCB			0.2668							06/25/2002	1814
DU	236947-2		17.241			17.646	2.3	20		06/25/2002	2000
MS	236947-2	WCS22781	28.224		10.000000	17.646	105.8	80-120		06/25/2002	2015
CCV		WCS22902	20.060		20.00		100.3	90.0-110.		06/25/2002	2100
CCB			0.2792							06/25/2002	2115
CCV		WCS22902	20.075		20.00		100.4	90.0-110.		06/26/2002	0002
CCB			0.2417							06/26/2002	0017
CCV		WCS22902	20.115		20.00		100.6	90.0-110.		06/26/2002	0148
CCB			0.2459							06/26/2002	0203

Test Method.....: SW-846 6010B

Method Description.: Metals Analysis (ICAP Trace)

Parameter.....: Arsenic (As)

Units.....: mg/L

Batch(s)....: 53894 53941 53990

Analyst....: twr

Test Code.: AS

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result *	Limits	F	Date	Time
STD		-BLANK	0.00912							06/27/2002	0749
STD			4.02050							06/27/2002	0753
CH3		MS061302T3	1.99042		2.00		99.5	94.5-105.		06/27/2002	0756
ICV		MS062202CC	0.50580		0.500		101.2	90.0-110.		06/27/2002	0802
ICB			-0.00015							06/27/2002	0806
CH1		MS051502T1	0.00810		0.0100		81.0	50.0-150.		06/27/2002	0812
CRI		MS061002CR	0.02054		0.0200		102.7	50.0-150.		06/27/2002	0816
ISA		MS061002IA	0.00583		0.0					06/27/2002	0822
ISB		MS061002IB	1.03876		1.00		103.9	80.0-120.		06/27/2002	0826
CCV		MS062202CC	0.51208		0.500		102.4	89.5-110.		06/27/2002	0837
CCB			-0.00231							06/27/2002	0841
CCV		MS062202CC	0.50896		0.500		101.8	89.5-110.		06/27/2002	0942
CCB			0.00142							06/27/2002	0952
CCV		MS062202CC	0.51503		0.500		103.0	89.5-110.		06/27/2002	1052
CCB			0.00291							06/27/2002	1056
LCS	53791--21	MSPIKE3	1.04160		1.00		104.2	80.0-120.		06/27/2002	1345
CCV		MS062202CC	0.50679		0.500		101.4	89.5-110.		06/27/2002	1501
CCB			-0.00273							06/27/2002	1514
CCV		MS062202CC	0.50584		0.500		101.2	89.5-110.		06/27/2002	1619
CCB			0.00239							06/27/2002	1623
CCV		MS062202CC	0.50879		0.500		101.8	89.5-110.		06/27/2002	1707
CCB			-0.00061							06/27/2002	1714
STD		-BLANK	0.00308							06/28/2002	0820
STD			3.94664							06/28/2002	0829
CH3		MS061302T3	2.00240		2.00		100.1	94.5-105.		06/28/2002	0833
ICV		MS062202CC	0.52347		0.500		104.7	90.0-110.		06/28/2002	0843
ICB			0.00691							06/28/2002	0847
CH1		MS051502T1	0.01320		0.0100		132.0	50.0-150.		06/28/2002	0852
CRI		MS061002CR	0.02432		0.0200		121.6	50.0-150.		06/28/2002	0856



STL Houston

QUALITY CONTROL RESULTS

Job Number.: 236947

Report Date.: 07/05/2002

CUSTOMER: Arcadis G&M

PROJECT: TX000489.00002

ATTN: Wes Aurthur

Test Method.....: SW-846 60108

Method Description.: Metals Analysis (ICAP Trace)

Units.....: mg/L

Analyst....: twr

Parameter.....: Arsenic (As)

Batch(s)....: 53894 53941 53990

Test Code.: AS

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result *	Limits	F	Date	Time
ISA		MS0610021A	0.00391		0.0					06/28/2002	0900
ISB		MS0610021B	1.05427		1.00		105.4	80.0-120.		06/28/2002	0904
CCV		MS062202CC	0.51791		0.500		103.6	89.5-110.		06/28/2002	0913
CCB			0.00078							06/28/2002	0917
CCV		MS062202CC	0.51667		0.500		103.3	89.5-110.		06/28/2002	1004
CCB			0.00271							06/28/2002	1008
CCV		MS062202CC	0.51476		0.500		103.0	89.5-110.		06/28/2002	1033
CCB			-0.00119							06/28/2002	1037
CCV		MS062202CC	0.51318		0.500		102.6	89.5-110.		06/28/2002	1125
CCB			0.00214							06/28/2002	1128
MD	236930-4		0.00437	0.00056		0.00056	0.00381	0.02000		06/28/2002	1138
MS	236930-4	MSPIKE3	1.02809		1.00	0.00056	102.8	75-125		06/28/2002	1142
MSD	236930-4	MSPIKE3	1.00950	1.02809	1.00	0.00056	100.9	75-125		06/28/2002	1146
							1.8	20			
CCV		MS062202CC	0.50242		0.500		100.5	89.5-110.		06/28/2002	1232
CCB			0.00358							06/28/2002	1235
CCV		MS062202CC	0.52011		0.500		104.0	89.5-110.		06/28/2002	1251
CCB			0.00090							06/28/2002	1254
BLK			-0.00171							06/28/2002	1528
STD			2.86367							06/28/2002	1531
CH3		MS061302T3	1.99458		2.00		99.7	94.5-105.		06/28/2002	1535
ICV		MS062202CC	0.51233		0.500		102.5	90.0-110.		06/28/2002	1539
ICB			-0.00021							06/28/2002	1543
CH1		MS051502T1	0.00922		0.0100		92.2	50.0-150.		06/28/2002	1547
CRI		MS061002CR	0.01959		0.0200		98.0	50.0-150.		06/28/2002	1551
ISA		MS0610021A	0.00056		0.0					06/28/2002	1555
ISB		MS0610021B	1.02932		1.00		102.9	80.0-120.		06/28/2002	1558
CCV		MS062202CC	0.49440		0.500		98.9	89.5-110.		06/28/2002	1606
CCV		MS062202CC	0.50970		0.500		101.9	89.5-110.		06/28/2002	1610
CCB			-0.00047							06/28/2002	1614
CCV		MS062202CC	0.51514		0.500		103.0	89.5-110.		06/28/2002	1701
CCB			-0.00102							06/28/2002	1705
CCV		MS062202CC	0.51710		0.500		103.4	89.5-110.		06/28/2002	1753
CCB			-0.00032							06/28/2002	1757
MD	236947-2		0.00917	0.00893		0.00893	0.00024	0.02000		06/28/2002	1806
MS	236947-2	MSPIKE3	1.05342		1.00	0.00893	104.4	75-125		06/28/2002	1810
MSD	236947-2	MSPIKE3	1.05015	1.05342	1.00	0.00893	104.1	75-125		06/28/2002	1815
							0.3	20			
CCV		MS062202CC	0.50349		0.500		100.7	89.5-110.		06/28/2002	1845
CCB			-0.00010							06/28/2002	1849
CCV		MS062202CC	0.51911		0.500		103.8	89.5-110.		06/28/2002	1937
CCB			-0.00049							06/28/2002	1941
CCV		MS062202CC	0.51630		0.500		103.3	89.5-110.		06/28/2002	2003
CCB			-0.00016							06/28/2002	2007
CRI		MS061002CR	0.02169		0.0200		108.5	50.0-150.		06/28/2002	2011
ISA		MS0610021A	0.00092		0.0					06/28/2002	2016
ISB		MS0610021B	1.04140		1.00		104.1	80.0-120.		06/28/2002	2020
CCV		MS062202CC	0.51711		0.500		103.4	89.5-110.		06/28/2002	2024
CCB			-0.00085							06/28/2002	2029



STL Houston

QUALITY CONTROL RESULTS

Job Number.: 236947

Report Date.: 07/05/2002

CUSTOMER: Arcadis G&M

PROJECT: TX000489.00002

ATTN: Wes Aurthur

Test Method.....: SW-846 6010B

Method Description.: Metals Analysis (ICAP Trace)

Parameter.....: Barium (Ba)

Units.....: mg/L

Batch(s)....: 53894 53941 53990

Analyst....: twr

Test Code.: BA

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result *	Limits	F	Date	Time
STD		-BLANK	0.00010							06/27/2002	0749
STD			3.26328							06/27/2002	0753
CH3		MS061302T3	1.99678		2.00		99.8	94.5-105.		06/27/2002	0756
ICV		MS062202CC	0.51718		0.500		103.4	90.0-110.		06/27/2002	0802
ICB			0.00003							06/27/2002	0806
CH1		MS051502T1	0.00996		0.0100		99.6	50.0-150.		06/27/2002	0812
ISA		MS061002IA	0.00194		0.0					06/27/2002	0822
ISB		MS061002IB	1.08008		1.00		108.0	80.0-120.		06/27/2002	0826
CCV		MS062202CC	0.51806		0.500		103.6	89.5-110.		06/27/2002	0837
CCB			0.00000							06/27/2002	0841
CCV		MS062202CC	0.51226		0.500		102.5	89.5-110.		06/27/2002	0942
CCB			0.00003							06/27/2002	0952
CCV		MS062202CC	0.51737		0.500		103.5	89.5-110.		06/27/2002	1052
CCB			0.00016							06/27/2002	1056
PB	53791--21		0.00010							06/27/2002	1342
LCS	53791--21	MSPIKE3	1.03975		1.00		104.0	80.0-120.		06/27/2002	1345
CCV		MS062202CC	0.52119		0.500		104.2	89.5-110.		06/27/2002	1501
CCB			0.00017							06/27/2002	1514
CCV		MS062202CC	0.52199		0.500		104.4	89.5-110.		06/27/2002	1619
CCB			0.00003							06/27/2002	1623
CCV		MS062202CC	0.52277		0.500		104.6	89.5-110.		06/27/2002	1707
CCB			0.00010							06/27/2002	1714
STD		-BLANK	0.00010							06/28/2002	0820
STD			3.21390							06/28/2002	0829
CH3		MS061302T3	2.00100		2.00		100.0	94.5-105.		06/28/2002	0833
ICV		MS062202CC	0.52401		0.500		104.8	90.0-110.		06/28/2002	0843
ICB			0.00003							06/28/2002	0847
CH1		MS051502T1	0.00996		0.0100		99.6	50.0-150.		06/28/2002	0852
ISA		MS061002IA	0.00194		0.0					06/28/2002	0900
ISB		MS061002IB	1.08655		1.00		108.7	80.0-120.		06/28/2002	0904
CCV		MS062202CC	0.51345		0.500		102.7	89.5-110.		06/28/2002	0913
CCB			-0.00000							06/28/2002	0917
CCV		MS062202CC	0.51251		0.500		102.5	89.5-110.		06/28/2002	1004
CCB			0.00003							06/28/2002	1008
CCV		MS062202CC	0.51290		0.500		102.6	89.5-110.		06/28/2002	1033
CCB			0.00026							06/28/2002	1037
CCV		MS062202CC	0.51829		0.500		103.7	89.5-110.		06/28/2002	1125
CCB			-0.00000							06/28/2002	1128
MD	236930-4		0.12077	0.12207		0.12207	1.1	20		06/28/2002	1138
MS	236930-4	MSPIKE3	1.16568		1.00	0.12207	104.4	75-125		06/28/2002	1142
MSD	236930-4	MSPIKE3	1.16154	1.16568	1.00	0.12207	103.9	75-125		06/28/2002	1146
							0.4	20			
CCV		MS062202CC	0.51205		0.500		102.4	89.5-110.		06/28/2002	1232
CCB			0.00000							06/28/2002	1235
CCV		MS062202CC	0.52221		0.500		104.4	89.5-110.		06/28/2002	1251
CCB			0.00003							06/28/2002	1254
BLK			0.00079							06/28/2002	1528
STD			42.04919							06/28/2002	1531
CH3		MS061302T3	1.99243		2.00		99.6	94.5-105.		06/28/2002	1535
ICV		MS062202CC	0.51866		0.500		103.7	90.0-110.		06/28/2002	1539
ICB			0.00010							06/28/2002	1543
CH1		MS051502T1	0.01012		0.0100		101.2	50.0-150.		06/28/2002	1547
ISA		MS061002IA	0.00138		0.0					06/28/2002	1555

QUALITY CONTROL RESULTS

Job Number.: 236947

Report Date.: 07/05/2002

CUSTOMER: Arcadis G&M

PROJECT: TX000489.00002

ATTN: Wes Aurthur

Test Method.....: SW-846 6010B

Method Description.: Metals Analysis (ICAP Trace)

Parameter.....: Barium (Ba)

Units.....: mg/L

Batch(s)....: 53894 53941 53990

Analyst....: twr

Test Code.: BA

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result *	Limits	F	Date	Time
ISB		MS0610021B	1.03262		1.00		103.3	80.0-120.		06/28/2002	1558
CCV		MS062202CC	0.49648		0.500		99.3	89.5-110.		06/28/2002	1606
CCV		MS062202CC	0.51658		0.500		103.3	89.5-110.		06/28/2002	1610
CCB			0.00020							06/28/2002	1614
CCV		MS062202CC	0.52467		0.500		104.9	89.5-110.		06/28/2002	1701
CCB			0.00004							06/28/2002	1705
CCV		MS062202CC	0.52690		0.500		105.4	89.5-110.		06/28/2002	1753
CCB			0.00001							06/28/2002	1757
MD	236947-2		0.20775	0.20942		0.20942	0.8	20		06/28/2002	1806
MS	236947-2	MSPIKE3	1.27442		1.00	0.20942	106.5	75-125		06/28/2002	1810
MSD	236947-2	MSPIKE3	1.27485	1.27442	1.00	0.20942	106.5	75-125		06/28/2002	1815
							0.0	20			
CCV		MS062202CC	0.51325		0.500		102.7	89.5-110.		06/28/2002	1845
CCB			0.00002							06/28/2002	1849
CCV		MS062202CC	0.52618		0.500		105.2	89.5-110.		06/28/2002	1937
CCB			0.00005							06/28/2002	1941
CCV		MS062202CC	0.52244		0.500		104.5	89.5-110.		06/28/2002	2003
CCB			-0.00002							06/28/2002	2007
ISA		MS0610021A	0.00135		0.0					06/28/2002	2016
ISB		MS0610021B	1.04688		1.00		104.7	80.0-120.		06/28/2002	2020
CCV		MS062202CC	0.52363		0.500		104.7	89.5-110.		06/28/2002	2024
CCB			0.00001							06/28/2002	2029

Test Method.....: SW-846 6010B

Method Description.: Metals Analysis (ICAP Trace)

Parameter.....: Cadmium (Cd)

Units.....: mg/L

Batch(s)....: 53894 53941 53990

Analyst....: twr

Test Code.: CD

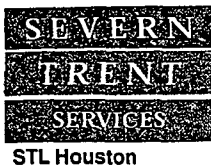
QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result *	Limits	F	Date	Time
STD		-BLANK	-0.04769							06/27/2002	0749
STD			29.28457							06/27/2002	0753
CH3		MS061302T3	0.98945		1.00		98.9	94.5-105.		06/27/2002	0756
ICV		MS062202CC	0.49878		0.500		99.8	90.0-110.		06/27/2002	0802
ICB			-0.00015							06/27/2002	0806
CH1		MS051502T1	0.00440		0.00500		88.0	50.0-150.		06/27/2002	0812
CRI		MS061002CR	0.01019		0.010		101.9	50.0-150.		06/27/2002	0816
ISA		MS0610021A	-0.00193		0.0					06/27/2002	0822
ISB		MS0610021B	0.48495		0.500		97.0	80.0-120.		06/27/2002	0826
CCV		MS062202CC	0.50097		0.500		100.2	89.5-110.		06/27/2002	0837
CCB			-0.00032							06/27/2002	0841
CCV		MS062202CC	0.49835		0.500		99.7	89.5-110.		06/27/2002	0942
CCB			-0.00011							06/27/2002	0952
CCV		MS062202CC	0.49683		0.500		99.4	89.5-110.		06/27/2002	1052
CCB			0.00032							06/27/2002	1056
PB	53791--21		0.00020							06/27/2002	1342
LCS	53791--21	MSPIKE3	0.50720		0.500		101.4	80.0-120.		06/27/2002	1345
CCV		MS062202CC	0.48637		0.500		97.3	89.5-110.		06/27/2002	1501
CCB			0.00041							06/27/2002	1514
CCV		MS062202CC	0.48922		0.500		97.8	89.5-110.		06/27/2002	1619
CCB			0.00008							06/27/2002	1623
CCV		MS062202CC	0.49061		0.500		98.1	89.5-110.		06/27/2002	1707
CCB			-0.00035							06/27/2002	1714



Job Number.: 236947		QUALITY CONTROL RESULTS		Report Date.: 07/05/2002	
CUSTOMER: Arcadis G&M		PROJECT: TX000489.00002		ATTN: Wes Aurthur	

Test Method.....: SW-846 6010B	Units.....: mg/L	Analyst....: twr
Method Description.: Metals Analysis (ICAP Trace)	Batch(s)....: 53894 53941 53990	Test Code.: CD
Parameter.....: Cadmium (Cd)		

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result *	Limits	F	Date	Time
STD		-BLANK	-0.05697							06/28/2002	0820
STD			28.51312							06/28/2002	0829
CH3		MS061302T3	0.99983		1.00		100.0	94.5-105.		06/28/2002	0833
ICV		MS062202CC	0.51201		0.500		102.4	90.0-110.		06/28/2002	0843
ICB			0.00032							06/28/2002	0847
CH1		MS051502T1	0.00532		0.00500		106.4	50.0-150.		06/28/2002	0852
CRI		MS061002CR	0.01076		0.010		107.6	50.0-150.		06/28/2002	0856
ISA		MS061002IA	-0.00158		0.0					06/28/2002	0900
ISB		MS061002IB	0.48990		0.500		98.0	80.0-120.		06/28/2002	0904
CCV		MS062202CC	0.50984		0.500		102.0	89.5-110.		06/28/2002	0913
CCB			0.00002							06/28/2002	0917
CCV		MS062202CC	0.50996		0.500		102.0	89.5-110.		06/28/2002	1004
CCB			0.00019							06/28/2002	1008
CCV		MS062202CC	0.50368		0.500		100.7	89.5-110.		06/28/2002	1033
CCB			0.00036							06/28/2002	1037
CCV		MS062202CC	0.49976		0.500		100.0	89.5-110.		06/28/2002	1125
CCB			0.00035							06/28/2002	1128
MD 236930-4			0.00036	0.00001		0.00001	0.00035	0.00500		06/28/2002	1138
MS 236930-4		MSPIKE3	0.51144		0.500	0.00001	102.3	75-125		06/28/2002	1142
MSD 236930-4		MSPIKE3	0.50224	0.51144	0.500	0.00001	100.4	75-125		06/28/2002	1146
							1.8	20			
CCV		MS062202CC	0.49424		0.500		98.8	89.5-110.		06/28/2002	1232
CCB			0.00026							06/28/2002	1235
CCV		MS062202CC	0.50435		0.500		100.9	89.5-110.		06/28/2002	1251
CCB			0.00041							06/28/2002	1254
BLK			0.00310							06/28/2002	1528
STD			21.02683							06/28/2002	1531
CH3		MS061302T3	1.00215		1.00		100.2	94.5-105.		06/28/2002	1535
ICV		MS062202CC	0.51248		0.500		102.5	90.0-110.		06/28/2002	1539
ICB			-0.00003							06/28/2002	1543
CH1		MS051502T1	0.00502		0.00500		100.4	50.0-150.		06/28/2002	1547
CRI		MS061002CR	0.01031		0.010		103.1	50.0-150.		06/28/2002	1551
ISA		MS061002IA	0.00292		0.0					06/28/2002	1555
ISB		MS061002IB	0.47889		0.500		95.8	80.0-120.		06/28/2002	1558
CCV		MS062202CC	0.49452		0.500		98.9	89.5-110.		06/28/2002	1606
CCV		MS062202CC	0.51437		0.500		102.9	89.5-110.		06/28/2002	1610
CCB			0.00004							06/28/2002	1614
CCV		MS062202CC	0.50488		0.500		101.0	89.5-110.		06/28/2002	1701
CCB			-0.00000							06/28/2002	1705
CCV		MS062202CC	0.51595		0.500		103.2	89.5-110.		06/28/2002	1753
CCB			-0.00011							06/28/2002	1757
MD 236947-2			0.00848	0.00846		0.00846	0.00002	0.00500		06/28/2002	1806
MS 236947-2		MSPIKE3	0.50449		0.500	0.00846	99.2	75-125		06/28/2002	1810
MSD 236947-2		MSPIKE3	0.50594	0.50449	0.500	0.00846	99.5	75-125		06/28/2002	1815
							0.3	20			
CCV		MS062202CC	0.50023		0.500		100.0	89.5-110.		06/28/2002	1845
CCB			-0.00003							06/28/2002	1849
CCV		MS062202CC	0.50994		0.500		102.0	89.5-110.		06/28/2002	1937
CCB			-0.00000							06/28/2002	1941
CCV		MS062202CC	0.50598		0.500		101.2	89.5-110.		06/28/2002	2003
CCB			0.00001							06/28/2002	2007
CRI		MS061002CR	0.01027		0.010		102.7	50.0-150.		06/28/2002	2011
ISA		MS061002IA	0.00367		0.0					06/28/2002	2016



QUALITY CONTROL RESULTS

Job Number.: 236947

Report Date.: 07/05/2002

CUSTOMER: Arcadis G&M

PROJECT: TX000489.00002

ATTN: Wes Aurthur

Test Method.....: SW-846 6010B
Method Description.: Metals Analysis (ICAP Trace)
Parameter.....: Cadmium (Cd)

Units.....: mg/L
Batch(s)....: 53894 53941 53990

Analyst....: twr
Test Code.: CD

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result *	Limits	F	Date	Time
ISB		MS0610021B	0.47082		0.500		94.2	80.0-120.		06/28/2002	2020
CCV		MS062202CC	0.50762		0.500		101.5	89.5-110.		06/28/2002	2024
CCB			0.00008							06/28/2002	2029

Test Method.....: SW-846 6010B
Method Description.: Metals Analysis (ICAP Trace)
Parameter.....: Chromium (Cr)

Units.....: mg/L
Batch(s)....: 53894 53941 53990

Analyst....: twr
Test Code.: CR

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result *	Limits	F	Date	Time
STD		-BLANK	0.00076							06/27/2002	0749
STD			3.88857							06/27/2002	0753
CH3		MS061302T3	1.97126		2.00		98.6	94.5-105.		06/27/2002	0756
ICV		MS062202CC	0.50095		0.500		100.2	90.0-110.		06/27/2002	0802
ICB			-0.00067							06/27/2002	0806
CH1		MS051502T1	0.00913		0.0100		91.3	50.0-150.		06/27/2002	0812
CRI		MS061002CR	0.01918		0.0200		95.9	50.0-150.		06/27/2002	0816
ISA		MS061002IA	0.00151		0.0					06/27/2002	0822
ISB		MS0610021B	0.94302		1.00		94.3	80.0-120.		06/27/2002	0826
CCV		MS062202CC	0.50306		0.500		100.6	89.5-110.		06/27/2002	0837
CCB			-0.00059							06/27/2002	0841
CCV		MS062202CC	0.49978		0.500		100.0	89.5-110.		06/27/2002	0942
CCB			-0.00056							06/27/2002	0952
CCV		MS062202CC	0.49599		0.500		99.2	89.5-110.		06/27/2002	1052
CCB			-0.00005							06/27/2002	1056
PB	53791--21		-0.00036							06/27/2002	1342
LCS	53791--21	MSPIKE3	1.00418		1.00		100.4	80.0-120.		06/27/2002	1345
CCV		MS062202CC	0.48287		0.500		96.6	89.5-110.		06/27/2002	1501
CCB			-0.00036							06/27/2002	1514
CCV		MS062202CC	0.48597		0.500		97.2	89.5-110.		06/27/2002	1619
CCB			-0.00102							06/27/2002	1623
CCV		MS062202CC	0.48187		0.500		96.4	89.5-110.		06/27/2002	1707
CCB			-0.00053							06/27/2002	1714
STD		-BLANK	0.00075							06/28/2002	0820
STD			3.76767							06/28/2002	0829
CH3		MS061302T3	1.99277		2.00		99.6	94.5-105.		06/28/2002	0833
ICV		MS062202CC	0.51571		0.500		103.1	90.0-110.		06/28/2002	0843
ICB			-0.00045							06/28/2002	0847
CH1		MS051502T1	0.00939		0.0100		93.9	50.0-150.		06/28/2002	0852
CRI		MS061002CR	0.02036		0.0200		101.8	50.0-150.		06/28/2002	0856
ISA		MS061002IA	0.00172		0.0					06/28/2002	0900
ISB		MS0610021B	0.95477		1.00		95.5	80.0-120.		06/28/2002	0904
CCV		MS062202CC	0.51427		0.500		102.9	89.5-110.		06/28/2002	0913
CCB			-0.00085							06/28/2002	0917
CCV		MS062202CC	0.51539		0.500		103.1	89.5-110.		06/28/2002	1004
CCB			-0.00108							06/28/2002	1008
CCV		MS062202CC	0.50640		0.500		101.3	89.5-110.		06/28/2002	1033
CCB			-0.00042							06/28/2002	1037
CCV		MS062202CC	0.50077		0.500		100.2	89.5-110.		06/28/2002	1125
CCB			-0.00048							06/28/2002	1128
MD	236930-4		-0.00048	-0.00063		-0.00063	0.00015	0.01000		06/28/2002	1138
MS	236930-4	MSPIKE3	1.00601		1.00	-0.00063	100.7	75-125		06/28/2002	1142

QUALITY CONTROL RESULTS

Job Number.: 236947

Report Date.: 07/05/2002

CUSTOMER: Arcadis G&M

PROJECT: TX000489.00002

ATTN: Wes Aurthur

Test Method.....: SW-846 6010B

Method Description.: Metals Analysis (ICAP Trace)

Parameter.....: Chromium (Cr)

Units.....: mg/L

Batch(s)....: 53894 53941 53990

Analyst....: twr

Test Code.: CR

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result *	Limits	F	Date	Time
MSD	236930-4	MSPIKE3	0.98168	1.00601	1.00	-0.00063	98.2	75-125		06/28/2002	1146
							2.4	20			
CCV		MS062202CC	0.49436		0.500		98.9	89.5-110.		06/28/2002	1232
CCB			-0.00103							06/28/2002	1235
CCV		MS062202CC	0.50541		0.500		101.1	89.5-110.		06/28/2002	1251
CCB			-0.00063							06/28/2002	1254
BLK			-0.00041							06/28/2002	1528
STD			3.15452							06/28/2002	1531
CH3		MS061302T3	1.99299		2.00		99.6	94.5-105.		06/28/2002	1535
ICV		MS062202CC	0.50948		0.500		101.9	90.0-110.		06/28/2002	1539
ICB			0.00034							06/28/2002	1543
CH1		MS051502T1	0.01015		0.0100		101.5	50.0-150.		06/28/2002	1547
CRI		MS061002CR	0.02022		0.0200		101.1	50.0-150.		06/28/2002	1551
ISA		MS061002IA	0.00265		0.0					06/28/2002	1555
ISB		MS061002IB	0.97001		1.00		97.0	80.0-120.		06/28/2002	1558
CCV		MS062202CC	0.48979		0.500		98.0	89.5-110.		06/28/2002	1606
CCV		MS062202CC	0.50821		0.500		101.6	89.5-110.		06/28/2002	1610
CCB			0.00013							06/28/2002	1614
CCV		MS062202CC	0.50030		0.500		100.1	89.5-110.		06/28/2002	1701
CCB			0.00010							06/28/2002	1705
CCV		MS062202CC	0.50297		0.500		100.6	89.5-110.		06/28/2002	1753
CCB			0.00007							06/28/2002	1757
MD	236947-2		0.00269	0.00287		0.00287	0.00018	0.01000		06/28/2002	1806
MS	236947-2	MSPIKE3	0.98273		1.00	0.00287	98.0	75-125		06/28/2002	1810
MSD	236947-2	MSPIKE3	0.98474	0.98273	1.00	0.00287	98.2	75-125		06/28/2002	1815
							0.2	20			
CCV		MS062202CC	0.49038		0.500		98.1	89.5-110.		06/28/2002	1845
CCB			0.00026							06/28/2002	1849
CCV		MS062202CC	0.50427		0.500		100.9	89.5-110.		06/28/2002	1937
CCB			0.00053							06/28/2002	1941
CCV		MS062202CC	0.49964		0.500		99.9	89.5-110.		06/28/2002	2003
CCB			-0.00000							06/28/2002	2007
CRI		MS061002CR	0.02030		0.0200		101.5	50.0-150.		06/28/2002	2011
ISA		MS061002IA	0.00269		0.0					06/28/2002	2016
ISB		MS061002IB	0.95921		1.00		95.9	80.0-120.		06/28/2002	2020
CCV		MS062202CC	0.50119		0.500		100.2	89.5-110.		06/28/2002	2024
CCB			0.00018							06/28/2002	2029

Test Method.....: SW-846 6010B

Method Description.: Metals Analysis (ICAP Trace)

Parameter.....: Lead (Pb)

Units.....: mg/L

Batch(s)....: 53894 53941 53990

Analyst....: twr

Test Code.: PB

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result *	Limits	F	Date	Time
STD		-BLANK	0.00098							06/27/2002	0749
CH3		MS061302T3	1.98631		2.00		99.3	94.5-105.		06/27/2002	0756
ICV		MS062202CC	0.49397		0.500		98.8	90.0-110.		06/27/2002	0802
ICB			-0.00057							06/27/2002	0806
CH1		MS051502T1	0.00941		0.0100		94.1	50.0-150.		06/27/2002	0812
CRI		MS061002CR	0.00595		0.0060		99.2	50.0-150.		06/27/2002	0816
ISA		MS061002IA	-0.00166		0.0					06/27/2002	0822
ISB		MS061002IB	1.05650		1.00		105.7	80.0-120.		06/27/2002	0826



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QUALITY CONTROL RESULTS

Job Number.: 236947

Report Date.: 07/05/2002

CUSTOMER: Arcadis G&M

PROJECT: TX000489.00002

ATTN: Wes Aurthur

Test Method.....: SW-846 60108

Method Description.: Metals Analysis (ICAP Trace)

Units.....: mg/L

Analyst....: twr

Parameter.....: Lead (Pb)

Batch(s)....: 53894 53941 53990

Test Code.: PB

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result *	Limits	F	Date	Time
CCV		MS062202CC	0.49473		0.500		98.9	89.5-110.		06/27/2002	0837
CCB			0.00098							06/27/2002	0841
CCV		MS062202CC	0.49374		0.500		98.7	89.5-110.		06/27/2002	0942
CCB			0.00024							06/27/2002	0952
CCV		MS062202CC	0.49431		0.500		98.9	89.5-110.		06/27/2002	1052
CCB			0.00130							06/27/2002	1056
PB	53791--21		0.00181							06/27/2002	1342
LCS	53791--21	MSPIKE3	1.00513		1.00		100.5	80.0-120.		06/27/2002	1345
CCV		MS062202CC	0.48255		0.500		96.5	89.5-110.		06/27/2002	1501
CCB			0.00137							06/27/2002	1514
CCV		MS062202CC	0.48531		0.500		97.1	89.5-110.		06/27/2002	1619
CCB			-0.00118							06/27/2002	1623
CCV		MS062202CC	0.48272		0.500		96.5	89.5-110.		06/27/2002	1707
CCB			-0.00056							06/27/2002	1714
STD		-BLANK	0.00097							06/28/2002	0820
CH3		MS061302T3	2.00118		2.00		100.1	94.5-105.		06/28/2002	0833
ICV		MS062202CC	0.50886		0.500		101.8	90.0-110.		06/28/2002	0843
ICB			0.00298							06/28/2002	0847
ISA		MS061002IA	0.01065		0.0					06/28/2002	0900
ISB		MS061002IB	1.06315		1.00		106.3	80.0-120.		06/28/2002	0904
CCV		MS062202CC	0.50446		0.500		100.9	89.5-110.		06/28/2002	0913
CCB			0.00364							06/28/2002	0917
CCV		MS062202CC	0.50528		0.500		101.1	89.5-110.		06/28/2002	1004
CCB			0.00303							06/28/2002	1008
CCV		MS062202CC	0.49930		0.500		99.9	89.5-110.		06/28/2002	1033
CCB			0.00499							06/28/2002	1037
CCV		MS062202CC	0.50065		0.500		100.1	89.5-110.		06/28/2002	1125
CCB			0.00399							06/28/2002	1128
MD	236930-4		0.00455	0.00474		0.00474	0.00019	0.01000		06/28/2002	1138
MS	236930-4	MSPIKE3	1.04280		1.00	0.00474	103.8	75-125		06/28/2002	1142
MSD	236930-4	MSPIKE3	1.02594	1.04280	1.00	0.00474	102.1	75-125		06/28/2002	1146
							1.6	20			
CCV		MS062202CC	0.49518		0.500		99.0	89.5-110.		06/28/2002	1232
CCB			0.00428							06/28/2002	1235
CCV		MS062202CC	0.50079		0.500		100.2	89.5-110.		06/28/2002	1251
CCB			0.00490							06/28/2002	1254
CH3		MS061302T3	1.99443		2.00		99.7	94.5-105.		06/28/2002	1535
ICV		MS062202CC	0.50479		0.500		101.0	90.0-110.		06/28/2002	1539
ICB			-0.00021							06/28/2002	1543
CH1		MS051502T1	0.01016		0.0100		101.6	50.0-150.		06/28/2002	1547
CRI		MS061002CR	0.00651		0.0060		108.5	50.0-150.		06/28/2002	1551
ISA		MS061002IA	-0.00177		0.0					06/28/2002	1555
ISB		MS061002IB	0.99169		1.00		99.2	80.0-120.		06/28/2002	1558
CCV		MS062202CC	0.48758		0.500		97.5	89.5-110.		06/28/2002	1606
CCV		MS062202CC	0.50130		0.500		100.3	89.5-110.		06/28/2002	1610
CCB			0.00027							06/28/2002	1614
CCV		MS062202CC	0.49778		0.500		99.6	89.5-110.		06/28/2002	1701
CCB			-0.00114							06/28/2002	1705
CCV		MS062202CC	0.50369		0.500		100.7	89.5-110.		06/28/2002	1753
CCB			-0.00020							06/28/2002	1757
MD	236947-2		0.05619	0.05592		0.05592	0.5	20		06/28/2002	1806
MS	236947-2	MSPIKE3	1.07661		1.00	0.05592	102.1	75-125		06/28/2002	1810
MSD	236947-2	MSPIKE3	1.07640	1.07661	1.00	0.05592	102.0	75-125		06/28/2002	1815
							0.0	20			

QUALITY CONTROL RESULTS

Job Number.: 236947

Report Date.: 07/05/2002

CUSTOMER: Arcadis G&M

PROJECT: TX000489.00002

ATTN: Wes Aurthur

Test Method.....: SW-846 6010B

Method Description.: Metals Analysis (ICAP Trace)

Parameter.....: Lead (Pb)

Units.....: mg/L

Batch(s)....: 53894 53941 53990

Analyst....: twr

Test Code.: PB

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result *	Limits	F	Date	Time
CCV		MS062202CC	0.49231		0.500		98.5	89.5-110.		06/28/2002	1845
CCB			0.00030							06/28/2002	1849
CCV		MS062202CC	0.50420		0.500		100.8	89.5-110.		06/28/2002	1937
CCB			-0.00011							06/28/2002	1941
CCV		MS062202CC	0.49763		0.500		99.5	89.5-110.		06/28/2002	2003
CCB			0.00017							06/28/2002	2007
CRI		MS061002CR	0.00564		0.0060		94.0	50.0-150.		06/28/2002	2011
ISA		MS061002IA	-0.00319		0.0					06/28/2002	2016
ISB		MS061002IB	0.99036		1.00		99.0	80.0-120.		06/28/2002	2020
CCV		MS062202CC	0.49947		0.500		99.9	89.5-110.		06/28/2002	2024
CCB			-0.00017							06/28/2002	2029

Test Method.....: SW-846 7470A

Method Description.: Mercury (CVAA)

Parameter.....: Mercury (Hg)

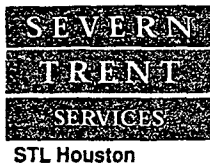
Units.....: ug/L

Batch(s)....: 54051

Analyst....: twr

Test Code.: HG

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result *	Limits	F	Date	Time
SO			0							07/01/2002	1404
SO.2			0							07/01/2002	1405
SO.5			0							07/01/2002	1407
S1.0			0							07/01/2002	1409
S2.0			0							07/01/2002	1410
S5.0			0							07/01/2002	1412
S10.			0							07/01/2002	1414
ICV		MSHGICV2	3.04762250		3.0000		101.6	90.0-110.		07/01/2002	1416
ICB			0.02115128							07/01/2002	1418
CRA		MSHGICV2	0.12782794		0.200		63.9	50.0-150.		07/01/2002	1420
CCV		MSHGICV2	3.02499299		3.0000		100.8	80.0-120.		07/01/2002	1421
CCB			0.01446603							07/01/2002	1423
EB			-0.0144933							07/01/2002	1425
MD	236969-1		-0.0145850	-0.0123992		-0.0123992	0.0021858	0.2000000		07/01/2002	1430
MS	236969-1	MHGSPIKE	0.88541317		1.000	-0.0123992	89.8	75-125		07/01/2002	1431
MSD	236969-1	MHGSPIKE	0.89099208	0.88541317	1.000	-0.0123992	90.3	75-125		07/01/2002	1433
							0.6	20			
CCV		MSHGICV2	3.02749273		3.0000		100.9	80.0-120.		07/01/2002	1438
CCB			0.01585309							07/01/2002	1440
MD	236947-1		-0.0056912	-0.0073902		-0.0073902	0.0016990	0.2000000		07/01/2002	1441
MS	236947-1	MHGSPIKE	0.79796925		1.000	-0.0073902	80.5	75-125		07/01/2002	1443
MSD	236947-1	MHGSPIKE	0.81992968	0.79796925	1.000	-0.0073902	82.7	75-125		07/01/2002	1444
							2.7	20			
CCV		MSHGICV2	3.03136293		3.0000		101.0	80.0-120.		07/01/2002	1454
CCB			0.01482753							07/01/2002	1456
CCV		MSHGICV2	3.03524788		3.0000		101.2	80.0-120.		07/01/2002	1510
CCB			0.01436136							07/01/2002	1512
CCV		MSHGICV2	3.04806879		3.0000		101.6	80.0-120.		07/01/2002	1527
CCB			0.01519416							07/01/2002	1529
CCV		MSHGICV2	3.03727304		3.0000		101.2	80.0-120.		07/01/2002	1543
CCB			0.00534775							07/01/2002	1545
EB			0.00022804							07/01/2002	1555
CCV		MSHGICV2	3.04890512		3.0000		101.6	80.0-120.		07/01/2002	1559
CCB			0.01335940							07/01/2002	1601



QUALITY CONTROL RESULTS

Job Number.: 236947

Report Date.: 07/05/2002

CUSTOMER: Arcadis G&M

PROJECT: TX000489.00002

ATTN: Wes Aunthun

Test Method.....: SW-846 7470A
Method Description.: Mercury (CVAA)
Parameter.....: Mercury (Hg)

Units.....: ug/L
Batch(s)....: 54051

Analyst....: twr
Test Code.: HG

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result *	Limits	F	Date	Time
CCV		MSHGICV2	3.05542631		3.0000		101.8	80.0-120.		07/01/2002	1616
CCB			0.00168711							07/01/2002	1618
CCV		MSHGICV2	3.06670567		3.0000		102.2	80.0-120.		07/01/2002	1623
CCB			0.00952962							07/01/2002	1625

Test Method.....: SW-846 6010B
Method Description.: Metals Analysis (ICAP Trace)
Parameter.....: Selenium (Se)

Units.....: mg/L
Batch(s)....: 53894 53941 53990

Analyst....: twr
Test Code.: SE

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result *	Limits	F	Date	Time
STD		-BLANK	0.00081							06/27/2002	0749
CH3		MS061302T3	1.99993		2.00		100.0	94.5-105.		06/27/2002	0756
ICV		MS062202CC	0.49820		0.500		99.6	90.0-110.		06/27/2002	0802
ICB			0.00413							06/27/2002	0806
CH1		MS051502T1	0.01157		0.0100		115.7	50.0-150.		06/27/2002	0812
CRI		MS061002CR	0.01386		0.010		138.6	50.0-150.		06/27/2002	0816
ISA		MS061002IA	0.01822		0.0					06/27/2002	0822
ISB		MS061002IB	1.02936		1.00		102.9	80.0-120.		06/27/2002	0826
CCV		MS062202CC	0.50048		0.500		100.1	89.5-110.		06/27/2002	0837
CCB			0.00592							06/27/2002	0841
CCV		MS062202CC	0.50118		0.500		100.2	89.5-110.		06/27/2002	0942
CCB			0.00255							06/27/2002	0952
CCV		MS062202CC	0.49653		0.500		99.3	89.5-110.		06/27/2002	1052
CCB			0.00259							06/27/2002	1056
PB	53791--21		0.00241							06/27/2002	1342
LCS	53791--21	MSPIKE3	1.02035		1.00		102.0	80.0-120.		06/27/2002	1345
CCV		MS062202CC	0.49148		0.500		98.3	89.5-110.		06/27/2002	1501
CCB			0.00268							06/27/2002	1514
CCV		MS062202CC	0.49757		0.500		99.5	89.5-110.		06/27/2002	1619
CCB			0.00399							06/27/2002	1623
CCV		MS062202CC	0.49775		0.500		99.5	89.5-110.		06/27/2002	1707
CCB			0.00679							06/27/2002	1714
STD		-BLANK	0.00081							06/28/2002	0820
CH3		MS061302T3	2.00793		2.00		100.4	94.5-105.		06/28/2002	0833
ICV		MS062202CC	0.51149		0.500		102.3	90.0-110.		06/28/2002	0843
ICB			0.00286							06/28/2002	0847
CH1		MS051502T1	0.00977		0.0100		97.7	50.0-150.		06/28/2002	0852
CRI		MS061002CR	0.00844		0.010		84.4	50.0-150.		06/28/2002	0856
ISA		MS061002IA	0.01448		0.0					06/28/2002	0900
ISB		MS061002IB	1.03868		1.00		103.9	80.0-120.		06/28/2002	0904
CCV		MS062202CC	0.50569		0.500		101.1	89.5-110.		06/28/2002	0913
CCB			-0.00116							06/28/2002	0917
CCV		MS062202CC	0.50833		0.500		101.7	89.5-110.		06/28/2002	1004
CCB			-0.00022							06/28/2002	1008
CCV		MS062202CC	0.50106		0.500		100.2	89.5-110.		06/28/2002	1033
CCB			-0.00155							06/28/2002	1037
CCV		MS062202CC	0.50269		0.500		100.5	89.5-110.		06/28/2002	1125
CCB			-0.00520							06/28/2002	1128
MD	236930-4		-0.00096	0.00112		0.00112	0.00208	0.04000		06/28/2002	1138
MS	236930-4	MSPIKE3	1.03228		1.00	0.00112	103.1	75-125		06/28/2002	1142
MSD	236930-4	MSPIKE3	1.02100	1.03228	1.00	0.00112	102.0	75-125		06/28/2002	1146
							1.1	20			



STL Houston

QUALITY CONTROL RESULTS

Job Number.: 236947

Report Date.: 07/05/2002

CUSTOMER: Arcadis G&M

PROJECT: TX000489.00002

ATTN: Wes Aurthur

Test Method.....: SW-846 6010B

Method Description.: Metals Analysis (ICAP Trace)

Parameter.....: Selenium (Se)

Units.....: mg/L

Batch(s)....: 53894 53941 53990

Analyst....: twr

Test Code.: SE

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result *	Limits	F	Date	Time
CCV		MS062202CC	0.48505		0.500		97.0	89.5-110.		06/28/2002	1232
CCB			0.00115							06/28/2002	1235
CCV		MS062202CC	0.50171		0.500		100.3	89.5-110.		06/28/2002	1251
CCB			-0.00101							06/28/2002	1254
CH3		MS061302T3	1.99369		2.00		99.7	94.5-105.		06/28/2002	1535
ICV		MS062202CC	0.50517		0.500		101.0	90.0-110.		06/28/2002	1539
ICB			0.00303							06/28/2002	1543
CH1		MS051502T1	0.00947		0.0100		94.7	50.0-150.		06/28/2002	1547
CRI		MS061002CR	0.00974		0.010		97.4	50.0-150.		06/28/2002	1551
ISA		MS061002IA	-0.00733		0.0					06/28/2002	1555
ISB		MS061002IB	1.00610		1.00		100.6	80.0-120.		06/28/2002	1558
CCV		MS062202CC	0.48308		0.500		96.6	89.5-110.		06/28/2002	1606
CCV		MS062202CC	0.50058		0.500		100.1	89.5-110.		06/28/2002	1610
CCB			-0.00052							06/28/2002	1614
CCV		MS062202CC	0.50822		0.500		101.6	89.5-110.		06/28/2002	1701
CCB			0.00126							06/28/2002	1705
CCV		MS062202CC	0.51159		0.500		102.3	89.5-110.		06/28/2002	1753
CCB			0.00218							06/28/2002	1757
MD	236947-2		0.00413	0.00535		0.00535	0.00122	0.04000		06/28/2002	1806
MS	236947-2	MSPIKE3	1.07821		1.00	0.00535	107.3	75-125		06/28/2002	1810
MSD	236947-2	MSPIKE3	1.07625	1.07821	1.00	0.00535	107.1	75-125		06/28/2002	1815
							0.2	20			
CCV		MS062202CC	0.50344		0.500		100.7	89.5-110.		06/28/2002	1845
CCB			0.00291							06/28/2002	1849
CCV		MS062202CC	0.51244		0.500		102.5	89.5-110.		06/28/2002	1937
CCB			-0.00068							06/28/2002	1941
CCV		MS062202CC	0.50865		0.500		101.7	89.5-110.		06/28/2002	2003
CCB			0.00045							06/28/2002	2007
CRI		MS061002CR	0.01021		0.010		102.1	50.0-150.		06/28/2002	2011
ISA		MS061002IA	-0.00849		0.0					06/28/2002	2016
ISB		MS061002IB	1.03736		1.00		103.7	80.0-120.		06/28/2002	2020
CCV		MS062202CC	0.51085		0.500		102.2	89.5-110.		06/28/2002	2024
CCB			0.00147							06/28/2002	2029

Test Method.....: SW-846 6010B

Method Description.: Metals Analysis (ICAP Trace)

Parameter.....: Silver (Ag)

Units.....: mg/L

Batch(s)....: 53894 53941 53990

Analyst....: twr

Test Code.: AG

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result *	Limits	F	Date	Time
STD		-BLANK	-0.01644							06/27/2002	0749
STD			2.65187							06/27/2002	0753
CH3		MS061302T3	0.99236		1.00		99.2	94.5-105.		06/27/2002	0756
ICV		MS062202CC	0.24453		0.25		97.8	90.0-110.		06/27/2002	0802
ICB			0.00003							06/27/2002	0806
CH1		MS051502T1	0.00492		0.00500		98.4	50.0-150.		06/27/2002	0812
CRI		MS061002CR	0.01895		0.0200		94.8	50.0-150.		06/27/2002	0816
ISA		MS061002IA	0.00000		0.0					06/27/2002	0822
ISB		MS061002IB	0.54591		0.500		109.2	80.0-120.		06/27/2002	0826
CCV		MS062202CC	0.24441		0.25		97.8	89.5-110.		06/27/2002	0837
CCB			0.00002							06/27/2002	0841
CCV		MS062202CC	0.24350		0.25		97.4	89.5-110.		06/27/2002	0942



QUALITY CONTROL RESULTS

Job Number.: 236947

Report Date.: 07/05/2002

CUSTOMER: Arcadis G&M

PROJECT: TX000489.00002

ATTN: Wes Aurthur

Test Method.....: SW-846 6010B

Method Description.: Metals Analysis (ICAP Trace)

Parameter.....: Silver (Ag)

Units.....: mg/L

Batch(s)....: 53894 53941 53990

Analyst....: twr

Test Code.: AG

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result *	Limits	F	Date	Time
CCB			0.00013							06/27/2002	0952
CCV		MS062202CC	0.24290		0.25		97.2	89.5-110.		06/27/2002	1052
CCB			0.00054							06/27/2002	1056
PB	53791--21		0.00016							06/27/2002	1342
LCS	53791--21	MSPIKE3	0.50053		0.500		100.1	80.0-120.		06/27/2002	1345
CCV		MS062202CC	0.23890		0.25		95.6	89.5-110.		06/27/2002	1501
CCB			0.00042							06/27/2002	1514
CCV		MS062202CC	0.24059		0.25		96.2	89.5-110.		06/27/2002	1619
CCB			-0.00046							06/27/2002	1623
CCV		MS062202CC	0.24046		0.25		96.2	89.5-110.		06/27/2002	1707
CCB			0.00017							06/27/2002	1714
STD		-BLANK	-0.01668							06/28/2002	0820
STD			2.58450							06/28/2002	0829
CH3		MS061302T3	0.99685		1.00		99.7	94.5-105.		06/28/2002	0833
ICV		MS062202CC	0.25028		0.25		100.1	90.0-110.		06/28/2002	0843
ICB			-0.00016							06/28/2002	0847
CH1		MS051502T1	0.00549		0.00500		109.8	50.0-150.		06/28/2002	0852
CRI		MS061002CR	0.02010		0.0200		100.5	50.0-150.		06/28/2002	0856
ISA		MS061002IA	0.00003		0.0					06/28/2002	0900
ISB		MS061002IB	0.55134		0.500		110.3	80.0-120.		06/28/2002	0904
CCV		MS062202CC	0.24736		0.25		98.9	89.5-110.		06/28/2002	0913
CCB			0.00010							06/28/2002	0917
CCV		MS062202CC	0.24838		0.25		99.4	89.5-110.		06/28/2002	1004
CCB			-0.00016							06/28/2002	1008
CCV		MS062202CC	0.24506		0.25		98.0	89.5-110.		06/28/2002	1033
CCB			0.00012							06/28/2002	1037
CCV		MS062202CC	0.24450		0.25		97.8	89.5-110.		06/28/2002	1125
CCB			0.00014							06/28/2002	1128
MD	236930-4		-0.00022	-0.00035		-0.00035	0.00013	0.01000		06/28/2002	1138
MS	236930-4	MSPIKE3	0.51918		0.500	-0.00035	103.9	75-125		06/28/2002	1142
MSD	236930-4	MSPIKE3	0.51171	0.51918	0.500	-0.00035	102.4	75-125		06/28/2002	1146
							1.4	20			
CCV		MS062202CC	0.24202		0.25		96.8	89.5-110.		06/28/2002	1232
CCB			-0.00014							06/28/2002	1235
CCV		MS062202CC	0.24684		0.25		98.7	89.5-110.		06/28/2002	1251
CCB			-0.00004							06/28/2002	1254
BLK			-0.00025							06/28/2002	1528
STD			1.82041							06/28/2002	1531
CH3		MS061302T3	0.99532		1.00		99.5	94.5-105.		06/28/2002	1535
ICV		MS062202CC	0.24700		0.25		98.8	90.0-110.		06/28/2002	1539
ICB			-0.00044							06/28/2002	1543
CH1		MS051502T1	0.00482		0.00500		96.4	50.0-150.		06/28/2002	1547
CRI		MS061002CR	0.01955		0.0200		97.8	50.0-150.		06/28/2002	1551
ISA		MS061002IA	-0.00058		0.0					06/28/2002	1555
ISB		MS061002IB	0.54996		0.500		110.0	80.0-120.		06/28/2002	1558
CCV		MS062202CC	0.23764		0.25		95.1	89.5-110.		06/28/2002	1606
CCV		MS062202CC	0.24671		0.25		98.7	89.5-110.		06/28/2002	1610
CCB			0.00013							06/28/2002	1614
CCV		MS062202CC	0.24365		0.25		97.5	89.5-110.		06/28/2002	1701
CCB			-0.00023							06/28/2002	1705
CCV		MS062202CC	0.24519		0.25		98.1	89.5-110.		06/28/2002	1753
CCB			-0.00002							06/28/2002	1757
MD	236947-2		0.00002	0.00035		0.00035	0.00033	0.01000		06/28/2002	1806



STL Houston

QUALITY CONTROL RESULTS

Job Number.: 236947

Report Date.: 07/05/2002

CUSTOMER: Arcadis G&M

PROJECT: TX000489.00002

ATTN: Wes Aurthur

Test Method.....: SW-846 6010B

Method Description.: Metals Analysis (ICAP Trace)

Parameter.....: Silver (Ag)

Units.....: mg/L

Batch(s)....: 53894 53941 53990

Analyst....: twr

Test Code.: AG

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result *	Limits	F	Date	Time
MS	236947-2	MSPIKE3	0.52529		0.500	0.00035	105.0	75-125		06/28/2002	1810
MSD	236947-2	MSPIKE3	0.52332	0.52529	0.500	0.00035	104.6	75-125		06/28/2002	1815
							0.4	20			
CCV		MS062202CC	0.23958		0.25		95.8	89.5-110.		06/28/2002	1845
CCB			0.00006							06/28/2002	1849
CCV		MS062202CC	0.24569		0.25		98.3	89.5-110.		06/28/2002	1937
CCB			0.00023							06/28/2002	1941
CCV		MS062202CC	0.24383		0.25		97.5	89.5-110.		06/28/2002	2003
CCB			0.00009							06/28/2002	2007
CRI		MS061002CR	0.01953		0.0200		97.7	50.0-150.		06/28/2002	2011
ISA		MS061002IA	-0.00050		0.0					06/28/2002	2016
ISB		MS061002IB	0.54654		0.500		109.3	80.0-120.		06/28/2002	2020
CCV		MS062202CC	0.24413		0.25		97.7	89.5-110.		06/28/2002	2024
CCB			0.00027							06/28/2002	2029

QUALITY CONTROL RESULTS

Job Number.: 236947

Report Date.: 07/05/2002

CUSTOMER: Arcadis G&M

PROJECT: TX000489.00002

ATTN: Wes Aurthur

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
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Test Method.....: SW-846 8021B

Units.....: ug/L

Analyst....: maz

Method Description.: GC Volatile Organics

Batch(s)....: 53762

CCV	Continuing Calibration Verification	BXS062402A			06/25/2002	0832
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Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
Methyl tert-Butyl ether	57.4003		50.000000		114.8	85.0-115.0	
Benzene	52.8035		50.000000		105.6	85.0-115.0	
Toluene	53.5695		50.000000		107.1	85.0-115.0	
Ethylbenzene	52.5387		50.000000		105.1	85.0-115.0	
m,p-Xylene	108.838		100.000000		108.8	85.0-115.0	
o-Xylene	53.8765		50.000000		107.8	85.0-115.0	
Xylenes (total)	162.7145		150.000000		108.5	85.0-115.0	
Total BTEX	321.6262		300.000000		107.2	85.0-115.0	
Tert-Butyl Methyl Ether Column B	53.5346		50.000000		107.1	85.0-115.0	
Benzene Column B	50.3722		50.000000		100.7	85.0-115.0	
Toluene Column B	52.8210		50.000000		105.6	85.0-115.0	
Ethylbenzene Column B	52.2824		50.000000		104.6	85.0-115.0	
m,p-Xylene Column B	105.774		100.000000		105.8	85.0-115.0	
o-Xylene Column B	50.6563		50.000000		101.3	85.0-115.0	

CCV	Continuing Calibration Verification	BXS062402A			06/25/2002	1331
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Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
Methyl tert-Butyl ether	53.2542		50.000000		106.5	85.0-115.0	
Benzene	53.6738		50.000000		107.3	85.0-115.0	
Toluene	54.9704		50.000000		109.9	85.0-115.0	
Ethylbenzene	54.8548		50.000000		109.7	85.0-115.0	
m,p-Xylene	109.971		100.000000		110.0	85.0-115.0	
o-Xylene	54.5394		50.000000		109.1	85.0-115.0	
Xylenes (total)	164.5104		150.000000		109.7	85.0-115.0	
Total BTEX	328.0094		300.000000		109.3	85.0-115.0	
Tert-Butyl Methyl Ether Column B	50.0560		50.000000		100.1	85.0-115.0	
Benzene Column B	50.7665		50.000000		101.5	85.0-115.0	
Toluene Column B	54.1502		50.000000		108.3	85.0-115.0	
Ethylbenzene Column B	53.2706		50.000000		106.5	85.0-115.0	
m,p-Xylene Column B	106.765		100.000000		106.8	85.0-115.0	
o-Xylene Column B	51.6377		50.000000		103.3	85.0-115.0	

CCV	Continuing Calibration Verification	BXS062402A			06/25/2002	1722
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Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
Methyl tert-Butyl ether	54.7302		50.000000		109.5	85.0-115.0	
Benzene	53.4594		50.000000		106.9	85.0-115.0	
Toluene	54.7500		50.000000		109.5	85.0-115.0	
Ethylbenzene	54.2665		50.000000		108.5	85.0-115.0	
m,p-Xylene	108.868		100.000000		108.9	85.0-115.0	
o-Xylene	54.2286		50.000000		108.5	85.0-115.0	
Xylenes (total)	163.0966		150.000000		108.7	85.0-115.0	
Total BTEX	325.5725		300.000000		108.5	85.0-115.0	
Tert-Butyl Methyl Ether Column B	49.9555		50.000000		99.9	85.0-115.0	
Benzene Column B	50.6155		50.000000		101.2	85.0-115.0	

Job Number.: 236947	QUALITY CONTROL RESULTS	Report Date.: 07/05/2002
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CUSTOMER: Arcadis G&M	PROJECT: TX000489.00002	ATTN: Wes Aurthur
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QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
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CCV	Continuing Calibration Verification	BXS062402A			06/25/2002	1722
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Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
Toluene Column B	53.9446		50.000000		107.9	85.0-115.0	
Ethylbenzene Column B	52.6586		50.000000		105.3	85.0-115.0	
m,p-Xylene Column B	105.850		100.000000		105.8	85.0-115.0	
o-Xylene Column B	51.1373		50.000000		102.3	85.0-115.0	

CCV	Continuing Calibration Verification	BXS062402A			06/25/2002	2051
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Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
Methyl tert-Butyl ether	53.3523		50.000000		106.7	85.0-115.0	
Benzene	52.6887		50.000000		105.4	85.0-115.0	
Toluene	53.4916		50.000000		107.0	85.0-115.0	
Ethylbenzene	53.2088		50.000000		106.4	85.0-115.0	
m,p-Xylene	107.137		100.000000		107.1	85.0-115.0	
o-Xylene	53.3768		50.000000		106.8	85.0-115.0	
Xylenes (total)	160.5138		150.000000		107.0	85.0-115.0	
Total BTEX	319.9029		300.000000		106.6	85.0-115.0	
Tert-Butyl Methyl Ether Column B	52.0860		50.000000		104.2	85.0-115.0	
Benzene Column B	50.2108		50.000000		100.4	85.0-115.0	
Toluene Column B	52.9764		50.000000		106.0	85.0-115.0	
Ethylbenzene Column B	52.5648		50.000000		105.1	85.0-115.0	
m,p-Xylene Column B	105.438		100.000000		105.4	85.0-115.0	
o-Xylene Column B	51.1028		50.000000		102.2	85.0-115.0	

LCS	Laboratory Control Sample	BXS062102B			06/25/2002	0851
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Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
Methyl tert-Butyl ether, Water	53.1185		50.000000		106.2	76-123	
Benzene, Water	53.0032		50.000000		106.0	72-134	
Toluene, Water	52.8952		50.000000		105.8	76-131	
Ethylbenzene, Water	53.8090		50.000000		107.6	75-131	
m,p-Xylene, Water	106.958		100.000000		107.0	75-130	
o-Xylene, Water	53.0203		50.000000		106.0	74-129	
Xylenes (total), Water	159.9783		150.000000		106.7	70-130	
Total BTEX, Water	319.6857		300.000000		106.6	70-130	
Tert-Butyl Methyl Ether Column B, Water	50.7235		50.000000		101.4	76-123	
Benzene Column B, Water	50.5598		50.000000		101.1	72-134	
Toluene Column B, Water	52.1166		50.000000		104.2	76-131	
Ethylbenzene Column B, Water	52.7590		50.000000		105.5	75-131	
m,p-Xylene Column B, Water	104.292		100.000000		104.3	75-130	
o-Xylene Column B, Water	49.8506		50.000000		99.7	74-129	

MB	Method Blank				06/25/2002	0929
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Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
Methyl tert-Butyl ether, Water	ND						
Benzene, Water	ND						
Toluene, Water	ND						
Ethylbenzene, Water	ND						



STL Houston

QUALITY CONTROL RESULTS					
Job Number.: 236947			Report Date.: 07/05/2002		
CUSTOMER: Arcadis G&M		PROJECT: TX000489.00002		ATTN:	
QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date Time

MB	Method Blank				06/25/2002 0929
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Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
m,p-Xylene, Water	ND						
o-Xylene, Water	ND						
Xylenes (total), Water	0.0000						
Total BTEX, Water	0.0000						
Tert-Butyl Methyl Ether Column B, Water	ND						
Benzene Column B, Water	ND						
Toluene Column B, Water	ND						
Ethylbenzene Column B, Water	ND						
m,p-Xylene Column B, Water	ND						
o-Xylene Column B, Water	ND						

MS	Matrix Spike	BXS062402A	237030-6			06/25/2002 1253
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Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
Methyl tert-Butyl ether, Water	74.4121		50.000000	18.8896	111.0	70-130	
Benzene, Water	54.5245		50.000000	ND	109.0	70-130	
Toluene, Water	55.2704		50.000000	ND	110.5	70-130	
Ethylbenzene, Water	54.3915		50.000000	ND	108.8	70-130	
m,p-Xylene, Water	111.660		100.000000	ND	111.7	70-130	
o-Xylene, Water	55.1252		50.000000	ND	110.3	70-130	
Xylenes (total), Water	166.7852		150.000000	0.0000	111.2	70-130	
Total BTEX, Water	331.1082		300.000000	0.0000	110.4	70-130	
Tert-Butyl Methyl Ether Column B, Water	72.7025		50.000000	18.0014	109.4	70-130	
Benzene Column B, Water	52.2941		50.000000	ND	104.6	70-130	
Toluene Column B, Water	55.0081		50.000000	ND	110.0	70-130	
Ethylbenzene Column B, Water	54.5281		50.000000	ND	109.1	70-130	
m,p-Xylene Column B, Water	110.106		100.000000	ND	110.1	70-130	
o-Xylene Column B, Water	52.7872		50.000000	ND	105.6	70-130	

MSD	Matrix Spike Duplicate	BXS062402A	237030-6			06/25/2002 1312
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Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
Methyl tert-Butyl ether, Water	74.8273	74.4121	50.000000	18.8896	111.9	70-130	
					0.6	20	
Benzene, Water	53.7901	54.5245	50.000000	ND	107.6	70-130	
					1.4	20	
Toluene, Water	54.6386	55.2704	50.000000	ND	109.3	70-130	
					1.1	20	
Ethylbenzene, Water	54.6234	54.3915	50.000000	ND	109.2	70-130	
					0.4	20	
m,p-Xylene, Water	110.694	111.660	100.000000	ND	110.7	70-130	
					0.9	20	
o-Xylene, Water	55.0518	55.1252	50.000000	ND	110.1	70-130	
					0.1	20	
Xylenes (total), Water	165.7458	166.7852	150.000000	0.0000	110.5	70-130	
					0.6	20	
Total BTEX, Water	328.7979	331.1082	300.000000	0.0000	109.6	70-130	
					0.7	20	
Tert-Butyl Methyl Ether Column B, Water	73.6688	72.7025	50.000000	18.0014	111.3	70-130	
					1.3	20	

Job Number.: 236947	QUALITY CONTROL RESULTS	Report Date.: 07/05/2002
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CUSTOMER: Arcadis G&M		PROJECT: TX000489.00002		ATTN:	
QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date Time

MSD	Matrix Spike Duplicate	BXS062402A	237030-6		06/25/2002	1312
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Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
Benzene Column B, Water	50.8778	52.2941	50.000000	ND	101.8	70-130	
					2.7	20	
Toluene Column B, Water	53.5181	55.0081	50.000000	ND	107.0	70-130	
					2.7	20	
Ethylbenzene Column B, Water	53.3887	54.5281	50.000000	ND	106.8	70-130	
					2.1	20	
m,p-Xylene Column B, Water	107.318	110.106	100.000000	ND	107.3	70-130	
					2.6	20	
o-Xylene Column B, Water	51.2513	52.7872	50.000000	ND	102.5	70-130	
					3.0	20	

Test Method.....: SW-846 8015B	Units.....: ug/L	Analyst....: maz
Method Description.: Total Volatile Petroleum Hydrocarbons	Batch(s)....: 54086 54224	

CCV	Continuing Calibration Verification	BX051702A			07/01/2002	0914
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Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
TVPH as GRO	248.920		250.000000		99.6	85.0-115.0	

CCV	Continuing Calibration Verification	BX051702A			07/01/2002	1541
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Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
TVPH as GRO	266.440		250.000000		106.6	85.0-115.0	

CCV	Continuing Calibration Verification	BX051702A			07/01/2002	2019
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Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
TVPH as GRO	275.672		250.000000		110.3	85.0-115.0	

CCV	Continuing Calibration Verification	BX051702A			07/01/2002	2315
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Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
TVPH as GRO	233.890		250.000000		93.6	85.0-115.0	

LCS	Laboratory Control Sample	BXS062402B			07/01/2002	0939
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Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
TVPH as GRO, Water	243.413		250.000000		97.4	78-140	

QUALITY CONTROL RESULTS						Report Date.: 07/05/2002	
Job Number.: 236947							
CUSTOMER: Arcadis G&M			PROJECT: TX000489.00002			ATTN:	
QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time	
MB	Method Blank				07/01/2002	1030	
Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
TVPH as GRO, Water	ND						
MS	Matrix Spike	BX051702A	236949-5	5		07/01/2002	1450
Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
TVPH as GRO, Water	336.018		250.000000	125.025	84.4	70-130	
MSD	Matrix Spike Duplicate	BX051702A	236949-5	5		07/01/2002	1516
Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
TVPH as GRO, Water	333.609	336.018	250.000000	125.025	83.4 0.7	70-130 20	
CCV	Continuing Calibration Verification	BX051702A				07/02/2002	0824
Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
TVPH as GRO	243.328		250.000000		97.3	85.0-115.0	
CCV	Continuing Calibration Verification	BX051702A				07/02/2002	1505
Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
TVPH as GRO	259.884		250.000000		104.0	85.0-115.0	
CCV	Continuing Calibration Verification	BX051702A				07/02/2002	1945
Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
TVPH as GRO	237.380		250.000000		95.0	85.0-115.0	
LCS	Laboratory Control Sample	BXS070102C				07/02/2002	0849
Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
TVPH as GRO, Water	257.479		250.000000		103.0	78-140	
MB	Method Blank					07/02/2002	1008
Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
TVPH as GRO, Water	16.8820						



STL Houston

QUALITY CONTROL RESULTS

Job Number.: 236947

Report Date.: 07/05/2002

CUSTOMER: Arcadis G&M

PROJECT: TX000489.00002

ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
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MS	Matrix Spike	BX051702A	236984-2		07/02/2002	1415
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Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
TVPH as GRO, Water	258.172		250.000000	ND	103.3	70-130	

MSD	Matrix Spike Duplicate	BX051702A	236984-2		07/02/2002	1440
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Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
TVPH as GRO, Water	243.247	258.172	250.000000	ND	97.3 6.0	70-130 20	

Test Method.....: SW-846 8015B

Units.....: mg/L

Analyst....: jps

Method Description.: Total Extractable Petroleum Hydrocarbons Batch(s)....: 53881

LCS	Laboratory Control Sample	GC041902B	53592		06/25/2002	1648
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Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
TEPH - as Diesel, Water	865.46		1000.000000		86.5	69-118	

MB	Method Blank	GC062002	53592		06/25/2002	1531
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Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
TEPH - as Diesel, Water	ND						

SB	Spiked Blank	GC041902A	53592		06/25/2002	1732
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Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
TEPH - as Diesel, Water	929.14		1000.000000	ND	93	70-130	

SBD	Spiked Blank Duplicate	GC041902A	53592		06/25/2002	1815
-----	------------------------	-----------	-------	--	------------	------

Parameter/Test Description	QC Result	QC Result	True Value	Orig. Value	Calc. Result	* Limits	F
TEPH - as Diesel, Water	984.34	929.14	1000.000000	ND	98.4 5.8	70-130 20	



SURROGATE RECOVERIES REPORT

Job Number.: 236947

Report Date.: 07/05/2002

CUSTOMER: Arcadis G&M

PROJECT: TX000489.00002

ATTN: Wes Aurthur

Method.....: Total Extractable Petroleum Hydrocarbons
Batch(s).....: 53881Method Code....: 8015D
Test Matrix....: WaterPrep Batch.....: 53592
Equipment Code: EXTGC01

Lab ID	DT	Sample ID	Date	OTERPH
LCS			06/25/2002	98.9
MB			06/25/2002	86.8
SB			06/25/2002	111.0
SBD			06/25/2002	114.6
236947- 1		TX489/EUNICE-01	06/26/2002	102.8
236947- 2		TX489/CARLSBAD-01	06/26/2002	90.2

Test	Test Description	Limits
OTERPH	o-Terphenyl	60 - 140



STL Houston

SURROGATE RECOVERIES REPORT

Job Number.: 236947

Report Date.: 07/05/2002

CUSTOMER: Arcadis G&M

PROJECT: TX000489.00002

ATTN: Wes Aurther

Method.....: Total Volatile Petroleum Hydrocarbons
Batch(s).....: 54086 54224

Method Code....: 8015G
Test Matrix....: Water

Prep Batch.....:
Equipment Code: BTEX07

Lab ID	DT	Sample ID	Date	ATFT	BFB
CCV			07/01/2002	96.6	99.3
CCV			07/01/2002	98.0	96.7
CCV			07/01/2002	95.8	97.7
CCV			07/01/2002	94.9	94.4
CCV			07/02/2002	97.0	95.0
CCV			07/02/2002	100.0	99.7
CCV			07/02/2002	95.6	93.6
236947- 1		TX489/EUNICE-01	07/01/2002	84.8	95.3
236947- 2		TX489/CARLSBAD-01	07/02/2002	85.4	92.8
236949- 5 MS		061802-MW-3	07/01/2002	95.8	94.4
236949- 5 MSD		061802-MW-3	07/01/2002	84.7	90.7
236984- 2 MS		MW-2	07/02/2002	102.5	98.3
236984- 2 MSD		MW-2	07/02/2002	96.8	92.1
540861--21 LCS			07/01/2002	90.3	96.1
540861--21 MB			07/01/2002	86.8	92.2
542241--21 LCS			07/02/2002	91.5	97.3
542241--21 MB			07/02/2002	93.7	96.9

Test	Test Description	Limits
ATFT	a,a,a-Trifluorotoluene	68 - 143
BFB	BFB (Surrogate)	70 - 139



STL Houston

SURROGATE RECOVERIES REPORT

Job Number.: 236947

Report Date.: 07/05/2002

CUSTOMER: 483648

PROJECT: TX000489.00002

ATTN: Wes Aurthur

Method.....: GC Volatile Organics
Batch(s).....: 53762

Method Code....: 8021
Test Matrix....: Water

Prep Batch.....:
Equipment Code: BTEX06

Lab ID	DT	Sample ID	Date	ATFT	ATFTB	BFB	BFBB
CCV			06/25/2002	108.9	107.8	97.6	96.3
CCV			06/25/2002	111.4	110.9	98.5	92.5
CCV			06/25/2002	111.2	108.0	97.9	94.7
CCV			06/25/2002	109.0	109.6	96.8	95.1
236947- 1		TX489/EUNICE-01	06/25/2002	122.5	112.0	97.5	96.1
236947- 2		TX489/CARLSBAD-01	06/25/2002	110.3	110.4	97.4	89.4
236947- 2		TX489/CARLSBAD-01	06/25/2002	110.4	118.5	97.6	94.9
237030- 6 MS		MW6	06/25/2002	109.3	113.3	96.3	96.4
237030- 6 MSD		MW6	06/25/2002	110.1	109.8	98.0	95.7
537621--21 LCS			06/25/2002	111.0	110.5	100.8	98.4
537621--21 MB			06/25/2002	110.1	108.8	97.4	93.1

Test	Test Description	Limits
ATFT	a,a,a-Trifluorotoluene	70 - 135
ATFTB	a,a,a-Trifluorotoluene Column B	70 - 135
BFB	BFB (Surrogate)	64 - 136
BFBB	BFB (Surrogate) Column B	64 - 136



STL Houston

QUALITY ASSURANCE METHODS

REFERENCES AND NOTES

Report Date: 07/05/2002

REPORT COMMENTS

- 1) All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.
- 2) Reporting limits are adjusted for sample size used, dilutions and moisture content if applicable.
- 3) According to 40CFR Part 136.3, pH, Chlorine Residual, and Dissolved Oxygen analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field, (e.g. pH Field) they were not analyzed immediately, but as soon as possible on laboratory receipt.

General Information:

- Cresylic Acid is the combination of o,m and p-Cresol. The combination is reported as the final result.
- m-Cresol and p-Cresol co-elute. The result of the two is reported as either m&p-cresol or as p-cresol.
- m-Xylene and p-Xylene co-elute. The result of the two is reported as m,p-Xylene.
- N-Nitrosodiphenylamine decomposes in the gas chromatograph inlet forming dipheylamine and, consequently, maybe detected as diphenylamine.
- Methylene Chloride and Acetone are recognized potential laboratory contaminants. Its presence in the sample up to five times the amount reported in the blank may be attributed to laboratory contamination.

Explanation of Qualifiers:

- U - This qualifier indicates that the analyte was analyzed but not detected.
- J - (Organics only) This qualifier indicates that the analyte is an estimated value between the RL and the MDL.
- B - (Inorganics only) This Qualifier indicates that the analyte is an estimated value between the RL and the MDL.
- N - (Organics only) This flag indicates presumptive evidence of a compound. This flag is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It is applied to all TIC results. For generic characterization of a TIC, such as "chlorinated hydrocarbon", the "N" flag is not used.

Explanation of General QC Outliers:

- A - Matrix interference present in sample.
- a - MS/MSD analyses yielded comparable poor recoveries, indicating a possible matrix interference. Method performance is demonstrated by acceptable LCS recoveries.
- b - Target analyte was found in the method blank.
- M - QC sample analysis yielded recoveries outside QC acceptance criteria. This sample was reanalyzed.
- L - LCS analysis yielded high recoveries, indicating a potential high bias. No target analytes were observed above the RL in the associated samples.
- G - Marginal outlier within 1% of acceptance criteria.
- r - RPD value is outside method acceptance criteria.
- C - Poor RPD values observed due to the non-homogenous nature of the sample.
- O - Sample required dilution due to matrix interference.
- D - Sample reported from a dilution.
- d - Spike and/or surrogate diluted out.
- P - The recovery of this analyte is outside default QC limits. The data is accepted and will be used to calculate in-house statistical limits.
- E - The reported concentration exceeds the instrument calibration.
- F - The analyte is outside QC limits. The sample data is accepted since this analyte is not reported in associated samples.
- H - Continuing Calibration Verification (CCV) standard is not associated with the samples reported.
- W - The MS/MSD recoveries are outside QC acceptance criteria because the amount spiked is much less than the amount found in the sample.
- K - High recovery will not affect the quality of reported results.
- Z - See case narrative.



STL Houston

QUALITY ASSURANCE METHODS

REFERENCES AND NOTES

Report Date: 07/05/2002

Explanation of Organic QC Outliers:

- e - Method blank analysis yielded phthalate concentrations above the RL. Phthalates are recognized potential laboratory contaminants. Its presence in the sample up to five times the amount reported in the blank may be attributed to laboratory contamination.
- S - Sample reanalyzed/reextracted due to poor surrogate recovery. Reanalysis confirmed original analysis indicating a possible matrix interference.
- T - Sample analysis yielded poor surrogate recovery.
- R - The RPD between the two GC columns is greater than 40% and no anomalies are present. The higher result is reported as per EPA Method 8000B.
- I - The RPD between the two GC columns is greater than 40% and anomalies are present. The lower of the two results has been reported.
- X - Gaseous compound. In-house QC limits are advisory.
- Y - Ketone compounds have poor purge efficiency. In-house QC limits are advisory.
- f - Surrogate not associated with reported analytes.

Explanation of Inorganic QC Outliers:

- Q - Method blank analysis yielded target analytes above the RL. Associated sample results are greater than 10 times the concentrations observed in the method blank.
- V - The RPD control limit for sample results less than 5 times the RL is +/- the RL value. Sample and duplicate results are within method acceptance criteria.
- g - Sample result quantitated by Method of Standard Additions (MSA) due to the analytical spike recovery being below 85 percent. The correlation coefficient for the MSA is greater than or equal to 0.995.
- s - BOD/cBOD seed value is not within method acceptance criteria. Due to the nature of the test method, the sample cannot be reanalyzed.
- l - BOD/cBOD LCS value is not within method acceptance criteria. Due to the nature of the test method, sample cannot be reanalyzed.
- n - Sample result quantitated by Method of Standard Additions (MSA) due to the analytical spike recovery being below 85 percent. The correlation coefficient for the MSA is less than 0.995.

Abbreviations:

- Batch - Designation given to identify a specific extraction, digestion, preparation, or analysis set.
- CCV - Continuing Calibration Verification
- CRA - Low level standard check - GFAA, Mercury
- CRI - Low level standard check - ICP
- Dil Fac - Dilution Factor - Secondary dilution analysis
- DLFac - Detection Limit Factor
- EB - Extraction Blank (TCLP, SPLP, etc.)
- ICAL - Initial Calibration
- ICB - Initial Calibration Blank
- ICV - Initial Calibration Verification
- ISA - Interference Check Sample A - ICP
- ISB - Interference Check Sample B - ICP
- LCD - Laboratory Control Duplicate
- LCS - Laboratory Control Sample
- MB - Method Blank
- MD - Method Duplicate
- MDL - Method Detection Limit
- MS - Matrix Spike
- MSD - Matrix Spike Duplicate
- ND - Not Detected
- PB - Preparation Blank

QUALITY ASSURANCE METHODS
REFERENCES AND NOTES

Report Date: 07/05/2002

PREPF - Preparation factor
RPD - Relative Percent Difference
RRF - Relative Response Factor
RT - Retention Time

Method References:

- (1) EPA 600/4-79-020 Methods for the Analysis of Water and Wastes, March 1983.
- (2) EPA SW846 Test Methods for Evaluating Solid Waste, Third Edition, September 1986; Update I July 1992; Update II, September 1994, Update IIA August 1993; Update IIB, January 1995; Update III, December 1996.
- (3) Standard Methods for the Examination of Water and Wastewater, 16th Edition (1985), 17th Edition (1989).
- (4) HACH Water Analysis Handbook 3rd Edition (1997).
- (5) Federal Register, July 1, 1990 (40 CFR Part 136).
- (6) Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air, 2nd Edition, January 1997.
- (7) ASTM Annual Book of Methods (Various Years)
- (8) Diagnosis and Improvement of Saline and Alkali Soils, Agriculture Handbook No. 60, United States Department of Agriculture, 1954.



LABORATORY CHRONICLE

Job Number: 236947

Date: 07/05/2002

CUSTOMER: Arcadis G&M

PROJECT: TX000489.00002

ATTN: Wes Aurthur

Lab ID: 236947-1 Client ID: TX489/EUNICE-01		Date Recvd: 06/21/2002		Sample Date: 06/20/2002			
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT	#(S)	DATE/TIME ANALYZED	DILUTION
SW-846 3010A	Acid Digestion Aqueous/Extracts FLAA/ICP	1	53791			06/26/2002 1310	
SW846 8015	Extraction (Sep Funnel) 8015 Diesel	1	53592			06/24/2002 0800	
SW-846 8021B	GC Volatile Organics	1	53762			06/25/2002 1147	1
EPA 300.0	Ion Chromatography Analysis	1	53711			06/25/2002 1929	100
SW-846 7470A	Mercury (CVAA)	1	54051	53974		07/01/2002 1436	
SW-846 7470A	Mercury Preparation (CVAA)	1	53974			06/28/2002 1600	
SW-846 6010B	Metals Analysis (ICAP Trace)	1	53990	53791		06/28/2002 1749	
SW-846 8015B	Total Extractable Petroleum Hydrocarbons	1	53881	53592		06/26/2002 0130	1.00000
SW-846 8015B	Total Volatile Petroleum Hydrocarbons	1	54086			07/01/2002 1838	1
Lab ID: 236947-2 Client ID: TX489/CARLSBAD-01		Date Recvd: 06/21/2002		Sample Date: 06/20/2002			
METHOD	DESCRIPTION	RUN#	BATCH#	PREP BT	#(S)	DATE/TIME ANALYZED	DILUTION
SW-846 3010A	Acid Digestion Aqueous/Extracts FLAA/ICP	1	53791			06/26/2002 1310	
SW846 8015	Extraction (Sep Funnel) 8015 Diesel	1	53592			06/24/2002 0800	
SW-846 8021B	GC Volatile Organics	1	53762			06/25/2002 1124	10
SW-846 8021B	GC Volatile Organics	1	53762			06/25/2002 1434	1
EPA 300.0	Ion Chromatography Analysis	1	53711			06/25/2002 1944	10
SW-846 7470A	Mercury (CVAA)	1	54051	53974		07/01/2002 1446	
SW-846 7470A	Mercury Preparation (CVAA)	1	53974			06/28/2002 1600	
SW-846 6010B	Metals Analysis (ICAP Trace)	1	53990	53791		06/28/2002 1802	
SW-846 8015B	Total Extractable Petroleum Hydrocarbons	1	53881	53592		06/26/2002 2104	5.00000
SW-846 8015B	Total Volatile Petroleum Hydrocarbons	1	54224			07/02/2002 1039	10

Project Number/Name TX000439.00002

Project Location New Mexico Key FACILITIES

Laboratory STL

Project Manager W.3 ARTHUR

Sampler(s)/Affiliation Wes

[illegible]

Sample Matrix: L = Liquid; S = Solid; A = Air

Total No. of Bottles/ Containers	22
-------------------------------------	----

Relinquished by: <u>Wesley Arthur</u>	Organization: <u>ARCOS</u>	Date: <u>6/20/02</u>	Time: <u>5:00 pm</u>	Seal Intact?
Received by: _____	Organization: _____	Date: <u>1/1</u>	Time: _____	<u>Yes</u> No N/A
Relinquished by: _____	Organization: _____	Date: <u>1/1</u>	Time: _____	Seal Intact?
Received by: _____	Organization: _____	Date: <u>1/1</u>	Time: _____	Yes No N/A

Special Instructions/Remarks: _____

Delivery Method: ☐ In Person ☒ Common Carrier Yes ☐ Lab Courier ☐ Other

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-138
Revised March 17, 1999

Submit Original
Plus 1 Copy
to Appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☒ ☐ Verbal Approval Received: Yes ☐ No ☒	4. Generator Weatherford
2. Management Facility Destination Controlled Recovery Inc.	5. Originating Site Hobbs Facility
3. Address of Facility Operator P.O. Box 388, Hobbs	6. Transporter CRI
7. Location of Material (Street Address or ULSTR) 3000 W. County Road, Hobbs	8. State New Mexico
9. <u>Circle One</u> : A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job. B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved. All transporters must certify the wastes delivered are only those consigned for transport.	

BRIEF DESCRIPTION OF MATERIAL:

07-26-02

Sump Sludge generated from the washing & steam cleaning of oilfield tools.

Enclosed is certificate of waste status & analytical data to approve this waste stream until August 2002. This process has been approved in the past and has not changed.

Estimated Volume appx. 1,500 yearly cy Known Volume (to be entered by the operator at the end of the haul)

SIGNATURE

Carmella Van Maanen
Waste Management Facility Authorized Agent

TITLE: Bookkeeper

DATE:

07-26-02

TYPE OR PRINT NAME: Carmella Van Maanen

TELEPHONE NO: (505) 393-1079

(This space for State Use)

APPROVED BY:

TITLE:

DATE:

APPROVED BY:

Environmental Geologist

DATE: 8/12/02

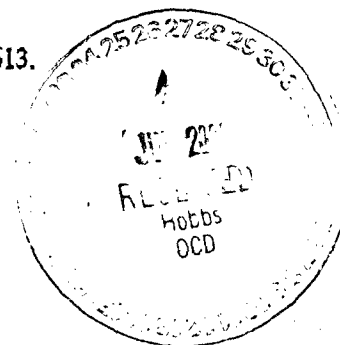
CERTIFICATE OF WASTE STATUS
NON-EXEMPT WASTE MATERIAL
"AS REQUIRED BY NEW MEXICO OIL CONSERVATION DIVISION"

COMPANY / GENERATOR WeatherfordADDRESS 3000 W. County RoadGENERATING SITE 3000 W. County RoadCOUNTY Lea STATE NMTYPE OF WASTE Sump sludgeESTIMATED VOLUME 1500 bbls per yearGENERATING PROCESS Washing / steam cleaning of oil field tools

REMARKS _____

NMOCD FACILITY Controlled RecoveryTRUCKING COMPANY CRI

As a condition of acceptance for disposal, I hereby certify that this waste is a non-exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. To my knowledge, this waste will be analyzed pursuant to the provisions of 40 CFR Part 261 to verify the nature as non-hazardous. I further certify that to my knowledge "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has not been added or mixed with the waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, Sections 2613.

AGENT Duane Bryant
SIGNATURENAME Duane Bryant
PRINTEDADDRESS 3000 W. County RoadHobbs NM 88242DATE 7-25-02

SAMPLE DESCRIPTION:
SEPARATOR SLUDGE

ACCEPT FOR VAC SERVICES ONLY

PAGE 1

REPORT DATE: 11/05/2001

S-K REPRESENTATIVE: KEND BRANNON
BRANCH #: 600202

CONTROL #: 1118966-4

SURVEY #: 2285268

CUSTOMER #:

LAB #: 2118966

Generator: WEATHERFORD DIS

5001 NORTH WICK

HOBBS, NM 88240

(505)392-2626

Attention: KASSIE GRIFFIN

The enclosed Safety-Kleen report shows that your company's sample has been Reviewed and accepted for shipment for vac services only.

The enclosed TCLP Analysis and/or suitable generator knowledge as applied to your company on the sample DOES NOT SHOW TCLP Characteristic Waste Code(s). Please refer to the results in the General Analysis or Material Physical Characteristics section of this report and/or suitable generator knowledge for additional information regarding compliance with Corrosivity (pH) and Ignitability (flammability) Characteristics.

For the material to be classified as non-hazardous, the generator must determine that the waste is not defined as a "listed" hazardous waste, not mixed with a "listed" hazardous waste, not derived from a "listed" hazardous waste, and obtain adequate information pertaining to the hazardous characteristics of:

Ignitability

Corrosivity

Reactivity

TCLP Toxicity

Waste Code D001

Waste Code D002

Waste Code D003

Waste Codes D004 - D043

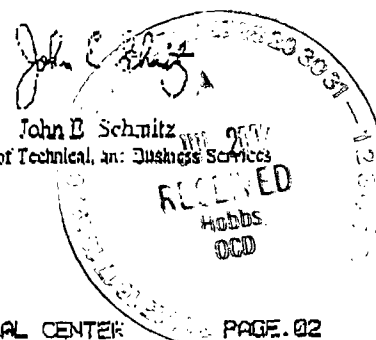
A Safety-Kleen representative will be contacting you with further detail regarding the shipping, handling, and processing of your material.

If you have any questions regarding the above analysis, please contact Customer Service at (773) 825-7338.

Continued on next page

Safety-Kleen Corp.
Technical Business Center
12555 W. Old Higgins Rd
Chicago, IL 60607-6505
Telephone: (773) 825-7338
Fax: Southern RTS (773) 825-7351
Northern RTS (773) 825-7352
Western RTS (773) 825-7353

John E. Schmitz
Director of Technical and Business Services



NOV 05 '01 17:06

SK TECHNICAL CENTER PAGE 02

Control #: 1118966-6
Survey #: 2385268

ACCEPT FOR VAC SERVICES ONLY

PAGE 4 OF 7

PAGE 2
WEATHERFORD DIS

METALS IN TCLP LEACHATE

Waste Code	Analyte	Date Analyzed	EPA Method	Reg Limit ppm	Result ppm
12005	Barium	11/01/2001	6010B	100	0.943
D008	Lead	11/01/2001	6010B	5	40.400

Continued on next page

John E. Schmitz

John E. Schmitz
Director of Technical, and Business Services

Safety-Kleen Corp.
Technical Business Center
12555 W. Old Higgins Rd.
Chicago, IL 60607-6508
Telephone: (773) 825-7338
Fax: Southern RTS (773) 825-7551
Northern RTS (773) 825-7552
Western RTS (773) 825-7553

NOV 05 '01 17:06

SK TECHNICAL CENTER

PAGE 04

Control #: 1118966-6

ACCEPT FOR VAC SERVICES ONLY

PAGE 3

Survey #: 2285268

WEATHERFORD DIS

Sample Description:

SEPARATOR SLUDGE

SAMPLE HANDLING DATES

Date Sampled: 10/11/2001

Date Received: 10/30/2001

SAMPLE COMPOSITION

Number of Phases: 1

Percent Solids (Method 1311): 100.00%

Percent Dry Solids (Method 1311): N/A

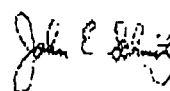
LEACHING/EXTRACTION DATES

	<u>Method</u>	<u>Date</u>
Bottle Leach:	1311	10/31/2001
ZHE Leach:	1311	Not Required

The analysis contained herein are performed to provide Safety-Kleen Corp. and its customers a means of determining compliant waste handling practices that are consistent with applicable permits and processing capability.

Continued on next page

Safety-Kleen Corp.
Technical Business Center
12555 W. Old Higgins Rd.
Chicago, IL 60607-6505
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Fax: Southern RTS (773) 825-7551
Northern RTS (773) 825-7552
Western RTS (773) 825-7553



John E. Schmitz
Director of Technical and Business Services



SAFETY-KLEEN SAMPLE ANALYSIS REPORT
Prequalification TCLP Combination Report

PAGE 3

Vacuum Services

STATUS

RECEIVED 10/17/2001

COMPLETED: 10/19/2001

REVISED: 11/5/2001

REPORT DATE: 11/5/2001

S-K REPRESENTATIVE: Reid Brannon

BRANCH/ARM #: 600202

ACCEPT FOR VAC
SERVICES ONLY

CONTROL #: 1116451-8

SURVEY #: 2285268

LAB 2116451

SAMPLE DESCRIPTION: Separator Sludge

Nature of Business: None Given

S.I.C.: 1381

Status: CDSQG

Facility Address:

3000 North West County Road

Attn: Kassie Griffin

Habbs, NM 88240

Billing Address:

Process Description:

Equip Machingin Prep With Slurmer

Material Description:

Separator Sludge

Generation Amount:

2000 Yearly

Gallons On Hand:

P.O. #:

Date Survey Signed: 10/11/2001

Contact: Kassie Griffin

Title: n/a

Phone: (505)392-2626

Survey Comments: Please Approve for SKVS and FRS Services. Thanks, Reid.

The analysis contained herein are performed solely for the purpose of qualifying the analyzed materials for acceptance by Safety-Kleen Corp. in accordance with its permits and processing capability. This report shall not be reproduced in except in full, without the written permission of the Safety-Kleen Technical Center

CORPORATE REVIEW

Disposition: Accept for Vac Services Only

Part Number: S90165 Non-regulated - SLUDGES

Review Date: 10/19/2001

Reviewers: MS

APPROVED FACILITIES:

Continued on next page

Control #: 1116451-8
Survey #: 2385268

ACCEPT FOR VAC SERVICES ONLY

PAGE 4
Weatherford Dis

Safety-Kleen Corp.
1722 Cooper Creek Road
Denton, TX 76208

FED EPA Number : TXD077603371
State EPA Number : 65124
Telephone : 817-383-2611
State Authorization :
Additional Description:

Safety-Kleen Corp.
1200 Sylvan Street
Linden, NJ 07036

FED EPA Number : NJD002182897
State EPA Number :
Telephone : 908-862-2000
State Authorization :
Additional Description:

Safety-Kleen Corp
3700 LaGrange Road
Smithfield, KY 40068

FED EPA Number : KYD053348108
State EPA Number :
Telephone : 502-845-2453
State Authorization :
Additional Description:

APPROVED DOT - SHIPPING DESCRIPTION
SKDOT #: 0023136

State/Prov. Codes: TX OUTS2191
US EPA Waste Codes: NONE

REVIEW COMMENTS

OK for Safety-Kleen vacuum services.

removed 1005 and 1008 codes based on telc C# 2118966. 11/05/01 mx

This serves as notice per federal and state regulations that each facility noted above has the appropriate permits, capabilities, capacity; and is willing to accept the material as described in the approval section. It is the responsibility of the generator to notify Safety-Kleen Corp. of any changes in the process generating this waste stream.

Continued on next page

Control #: 1116451-8
Survey #: 2285268

ACCEPT FOR VAC SERVICES ONLY

PAGE 5
Weatherford Dis

GENERAL ANALYSIS

Phase:	TOTAL			
	<u>Parameter</u>	<u>Date Analyzed</u>	<u>Result</u>	<u>Units</u>
	pH by Meter Direct	10/17/2001	7.9	
	Water Content	10/17/2001	94	wt. %
	Viscosity	10/18/2001	30	cps
	Sample Description	10/17/2001	OIL, WATER, DIRT	
	Color	10/17/2001	DK BROWN	
	Radioactivity	10/17/2001	None Detected	
	Bulk Density	10/18/2001	1.02	
	Water Compatibility	10/17/2001	Compatible	
	Flammability at 73 F	10/18/2001	No Flash	
	Flammability at 140 F	10/18/2001	No Flash	
	Flammability at 210 F	10/18/2001	No Flash	
	Non-Volatile Residue at 105 C		2.6	wt. %
Phase:	ORGANIC			
	<u>Parameter</u>	<u>Date Analyzed</u>	<u>Result</u>	<u>Units</u>
	Phase % by Appearance	10/17/2001	13	vol. %
Phase:	AQUEOUS			
	<u>Parameter</u>	<u>Date Analyzed</u>	<u>Result</u>	<u>Units</u>
	Phase % by Appearance	10/17/2001	82	vol. %
Phase:	SOLIDS			
	<u>Parameter</u>	<u>Date Analyzed</u>	<u>Result</u>	<u>Units</u>
	Phase % by Appearance	10/17/2001	5.0	vol. %

Continued on next page

Control #: 1116451-8

ACCEPT FOR VAC SERVICES ONLY

PAGE 6

Survey #: 2285268

Weatherford Div

ELEMENTAL ANALYSIS

Phase: TOTAL

Element	Symbol	Characteristic Waste Code	Date Analyzed	Result	Units
Aluminum	Al		10/18/2001	260	mg/kg
Antimony	Sb		10/18/2001	<35	mg/kg
Arsenic	As	D004	10/18/2001	<17	mg/kg
Barium	Ba	D005	10/18/2001	3200	mg/kg
Beryllium	Be		10/18/2001	<0.8	mg/kg
Boron	B		10/18/2001	<5.7	mg/kg
Cadmium	Cd	D006	10/18/2001	<5.7	mg/kg
Calcium	Ca		10/18/2001	4000	mg/kg
Chromium	Cr	D007	10/18/2001	4.4	mg/kg
Cobalt	Co		10/18/2001	<5.2	mg/kg
Copper	Cu		10/18/2001	19	mg/kg
Lead	Pb	D008	10/18/2001	42	mg/kg
Magnesium	Mg		10/18/2001	400	mg/kg
Manganese	Mn		10/18/2001	17	mg/kg
Mercury	Hg	D009	10/18/2001	<17	mg/kg
Molybdenum	Mo		10/18/2001	<13	mg/kg
Nickel	Ni		10/18/2001	<5.7	mg/kg
Phosphorus	P		10/18/2001	130	mg/kg
Potassium	K		10/18/2001	110	mg/kg
Selenium	Se	D010	10/18/2001	<33	mg/kg
Silicon	Si		10/18/2001	280	mg/kg
Silver	Ag	D011	10/18/2001	<1.7	mg/kg
Sodium	Na		10/18/2001	600	mg/kg
Thallium	Tl		10/18/2001	<50	mg/kg
Tin	Sn		10/18/2001	<12	mg/kg
Titanium	Ti		10/18/2001	5.6	mg/kg
Vanadium	V		10/18/2001	<3.5	mg/kg
Zinc	Zn		10/18/2001	120	mg/kg
Iron	Fe		10/18/2001	1700	mg/kg

FUEL EVALUATION

Phase: TOTAL

	Date Analyzed	Result	Units
Heat Content	10/17/2001	1610	Btu/lb
Ash Upon Combustion	10/17/2001	<1.0	wt. %
Total Halogens	10/18/2001	<0.10	wt. %
Total Fluorine	10/18/2001	<0.070	wt. %
Total Chlorine	10/18/2001	0.056	wt. %
Total Bromine	10/18/2001	<0.014	wt. %
Total Sulfur	10/18/2001	0.023	wt. %

Continued on next page

Control #: 1116451-8
Survey #: 2285268

ACCEPT FOR VAC SERVICES ONLY

PAGE 7
Weatherford Dis

VOLATILE ORGANIC COMPOSITION

Phase: AQUEOUS

Compound NameCAS NumberResultUnitsNo Volatile Organics Detected ($\pm 0.1\%$ Each)

0

wt. %

Phase: ORGANIC

Compound NameCAS NumberResultUnitsTraces of Volatile Organics Detected
($\pm 1.0\%$ Each)

3.4

wt. %

SPECIFIC ORGANIC COMPOSITION

POLYCHLORINATED BIPHENYLS (PCBs):

Compound NameResultUnits

Aroclor 1016

<1.0

mg/Kg

Aroclor 1221

<1.0

mg/Kg

Aroclor 1232

<1.0

mg/Kg

Aroclor 1242

<1.0

mg/Kg

Aroclor 1248

<1.0

mg/Kg

Aroclor 1254

<1.0

mg/Kg

Aroclor 1260

<1.0

mg/Kg

Aroclor 1262

<1.0

mg/Kg

Aroclor 1268

<1.0

mg/Kg

ANALYTICAL SERVICES

Comments: NVR estimated by difference on Total.

End of Document

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-138
Revised March 17, 1999

Submit Original
Plus 1 Copy
to Appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☒ ☒ Verbal Approval Received: Yes ☐ No ☒ 8-19-02 myh	4. Generator EOTT Energy Pipeline
2. Management Facility Destination Controlled Recovery Inc.	5. Originating Site Lynch Station
3. Address of Facility Operator P.O. Box 388, Hobbs	6. Transporter E.P.I.
7. Location of Material (Street Address or ULSTR) 5805 E. Hwy. 80, Midland	8. State New Mexico
9. Circle One: A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator, one certificate per job. B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved. All transporters must certify the wastes delivered are only those consigned for transport.	

BRIEF DESCRIPTION OF MATERIAL:

08-16-02

Oil Contaminated Soil generated from a pipeline leak.

Enclosed is certificate of waste status, analytical data, and chain of custody.

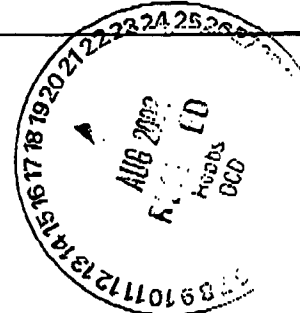
Estimated Volume appx. 2,000 yards cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE Carmella Van Maanen TITLE: Bookkeeper DATE: 08-16-02
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Carmella Van Maanen TELEPHONE NO: (505) 393-1079

(This space for State Use)

APPROVED BY: [Signature] TITLE: Environ. Eng. DATE: 8/19/02
APPROVED BY: [Signature] TITLE: Environmental/Geologist DATE: 8-19-02



081902-1

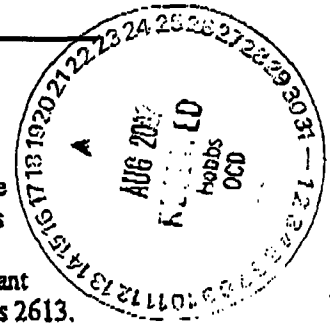
CERTIFICATE OF WASTE STATUS
NON-EXEMPT WASTE MATERIAL
"AS REQUIRED BY NEW MEXICO OIL CONSERVATION DIVISION"

COMPANY / GENERATOR EDT Energy Pipeline
ADDRESS 5805 E. Hwy 80 Midland Texas 79701
GENERATING SITE Lynch Station
COUNTY Lea STATE N.M.
TYPE OF WASTE Oil contaminated Soil
ESTIMATED VOLUME 2000 yards
GENERATING PROCESS Pipeline leak

REMARKS _____
NMOC FACILITY CRI
TRUCKING COMPANY E.P.I.

As a condition of acceptance for disposal, I hereby certify that this waste is a non-exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. To my knowledge, this waste will be analyzed pursuant to the provisions of 40 CFR Part 261 to verify the nature as non-hazardous. I further certify that to my knowledge "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has not been added or mixed with the waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, Sections 2613.

AGENT Frank Hernandez
SIGNATURE
NAME FRANK HERNANDEZ
PRINTED
ADDRESS 5805 E. Hwy. 80
Midland, TX 79701
DATE 8-16-02



May 31 02 11:32a

P. 1

ANALYTICAL REPORT

Prepared for:

Frank Hernandez
EOTT Energy Pipeline
5805 E. Hwy. 80
Midland, TX 79701

Project: Lynch Station 5-25-02
Order#: G0203443
Report Date: 05/30/2002

Certificates
US EPA Laboratory Code TX00158

May 31 02 11:32a

p.2

ENVIRONMENTAL LAB OF TEXAS

SAMPLE WORK LIST

EOTT Energy Pipeline
5805 E. Hwy. 80
Midland, TX 79701
915-684-3456

Order#: G0203443
Project: 2002-10149
Project Name: Lynch Station 5-25-02
Location: Lynch Station

The samples listed below were submitted to Environmental Lab of Texas and were received under chain of custody. Environmental Lab of Texas makes no representation or certification as to the method of sample collection, sample identification, or transportation/handling procedures used prior to the receipt of samples by Environmental Lab of Texas.

<u>Lab ID:</u>	<u>Sample:</u>	<u>Matrix:</u>	<u>Date / Time</u> <u>Collected</u>	<u>Date / Time</u> <u>Received</u>	<u>Container</u>	<u>Preservative</u>
0203443-01	SELS52802SPG	SOIL	5/28/02 11:00	5/28/02 14:57	L amber glass	Ice
<u>Lab Testing:</u>		Rejected: No	Temp: -1.5 C			
8015M						
RCI						
TCLP BTEX 8021B,1311						

May 31 02 11:32a

p.3

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Frank Hernandez
EOTT Energy Pipeline
5805 E. Hwy. 80
Midland, TX 79701

Order#: G0203443
Project: 2002-10149
Project Name: Lynch Station 5-25-02
Location: Lynch Station

Lab ID: 0203443-01
Sample ID: SEL352802SPG

8015M

Method	Date	Date	Sample	Dilution	Analyst	Method
Blank	Prepared	Analyzed	Amount	Factor		
		5/29/02	1	8	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	4160	50.0
DRO, >C12-C35	6900	50.0
TOTAL, C6-C35	11060	50.0

TCLP BTEX 8021B, 1311

Method	Date	Date	Sample	Dilution	Analyst	Method
Blank	Prepared	Analyzed	Amount	Factor		
0001813-02	5/28/02	5/29/02 17:23	1	1	CK	1311/8021B

Parameter	Result mg/L	RL
Benzene	<0.001	0.001
Ethylbenzene	0.012	0.001
Toluene	0.004	0.001
p/m-Xylene	0.063	0.001
o-Xylene	0.094	0.001

Approval: Roland K. Tuttle 5-31-02
 Roland K. Tuttle, Lab Director, QA Officer Date
 Coley D. Kenna, Org. Tech. Director
 Joanne McMurray, Inorg. Tech. Director
 Sandra Hiezughe, Lab Tech.
 Sara Molina, Lab Tech.

DL = Diluted out N/A = Not Applicable RL = Reporting Limit

Page 1 of 1

ENVIRONMENTAL LAB OF TEXAS I, LTD.

12600 West I-20 East, Odessa, TX 79765 Ph: 915-363-1800

May 31 02 11:32a

P. 4

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Frank Hernandez
EOTT Energy Pipeline
5805 E. Hwy. 60
Midland, TX 79701

Order#: G0203443
Project: 2002-10149
Project Name: Lynch Station 5-25-02
Location: Lynch Station

Lab ID: 0203443-01
Sample ID: SR1552802SPG

RCI

<u>Parameter</u>	<u>Result</u>	<u>Units</u>	<u>Dilution Factor</u>	<u>RL</u>	<u>Method</u>	<u>Date Analyzed</u>	<u>Analyst</u>
Ignitability	>100	C	1	NA	1010	5/30/02	CC
pH	8.38	pH Units	1	N/A	9045C	5/30/02	SB
Reactive Cyanide	<0.09	mg/kg	1	0.09	SW846 CH.7	5/29/02	CC
Reactive Sulfide	28.8	mg/kg	1	5.0	SW846 CH.7	5/29/02	CC

Approval: Roland K Tuttle 5-31-02
 Roland K. Tuttle, Lab Director, QA Officer
 Coley D. Keene, Org. Tech. Director
 Jeanne McMurrey, Inorg. Tech. Director
 Sandra Diezuga, Lab Tech.
 Sara Molina, Lab Tech.

RL = Reporting Limit N/A = Not Applicable

Page 1 of 1

ENVIRONMENTAL LAB OF TEXAS I, LTD.

12600 West L-30 East, Odessa, TX 79765 Ph: 915-563-1800

May 31 02 11:33a

p. 5

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

8015M

Order#: G0283443

BLANK	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0001815-02			<10.0		
CONTROL	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0001815-03		952	724	76.1%	
CONTROL DUP	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0001815-04		952	764	80.3%	5.4%
SRM	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0001815-05		1000	902	90.2%	

May 31 02 11:33a

P. 5

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

RCI

Order#: G0203443

BLANK	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
pH-pH Units		0001835-01			4.86		
Reactive Cyanide-mg/kg		0001808-01			<0.09		
Reactive Sulfide-mg/kg		0001809-01			<5.0		
CONTROL	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Reactive Cyanide-mg/kg		0001808-02		0.1	0.087	87.7%	
Reactive Sulfide-mg/kg		0001809-02		13.6	10.3	75.7%	
CONTROL DUP	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Reactive Cyanide-mg/kg		0001808-03		0.1	0.087	87.7%	0.4%
Reactive Sulfide-mg/kg		0001809-03		13.6	10.2	75.7%	1.4%
DUPLICATE	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Ignitability-C		0203443-01	0		>100		0.4%
pH-pH Units		0203443-01	8.38		8.39		0.1%
Reactive Cyanide-mg/kg		0203443-01	0		<0.09		0.4%
SRM	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
pH-pH Units		0001835-04		10	10.06	100.6%	
Reactive Cyanide-mg/kg		0001808-04		1	0.88	88.3%	
Reactive Sulfide-mg/kg		0001809-04		680	491	72.2%	

May 31 02 11:33a

P.7

ENVIRONMENTAL LAB OF TEXAS**QUALITY CONTROL REPORT****TCLP BTEX 8021B,1311**

Order#: G0203443

BLANK	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/L		0001813-02			<0.001		
Ethylbenzene-mg/L		0001813-02			<0.001		
Toluene-mg/L		0001813-02			<0.001		
p/m-Xylene-mg/L		0001813-02			<0.001		
o-Xylene-mg/L		0001813-02			<0.001		
CONTROL	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/L		0001813-03		0.1	0.115	115.5%	
Ethylbenzene-mg/L		0001813-03		0.1	0.110	110.9%	
Toluene-mg/L		0001813-03		0.1	0.111	111.5%	
p/m-Xylene-mg/L		0001813-03		0.2	0.224	112.5%	
o-Xylene-mg/L		0001813-03		0.1	0.113	113.5%	
CONTROL DUP	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/L		0001813-04		0.1	0.115	115.5%	0.9%
Ethylbenzene-mg/L		0001813-04		0.1	0.111	111.5%	0.9%
Toluene-mg/L		0001813-04		0.1	0.114	114.5%	2.7%
p/m-Xylene-mg/L		0001813-04		0.2	0.224	112.5%	0.9%
o-Xylene-mg/L		0001813-04		0.1	0.112	112.5%	0.9%
SRM	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/L		0001813-05		0.1	0.113	113.5%	
Ethylbenzene-mg/L		0001813-05		0.1	0.112	112.5%	
Toluene-mg/L		0001813-05		0.1	0.113	113.5%	
p/m-Xylene-mg/L		0001813-05		0.2	0.223	111.5%	
o-Xylene-mg/L		0001813-05		0.1	0.110	110.5%	

Environmental Lab of Texas, Inc.

12600 West 1-20 East Phone: 915-563-1800
Odessa Texas 79763 Fax: 915-563-1713

Project Manager: FRANK HERNANDEZCompany Name: EOTT ENERGY PIPELINECompany Address: 5805 E. HIGHWAY 80City/State/Zip: MIDLAND TX 79701Telephone No: 915-568-0190Sampler Signature: RogersProject Name: Lynch Station 5-25-02Project #: 2002-10149Project Loc: Lynch Station

PO#: _____

Refill requested:		Date	Time	Received by:	Date	Time	Sample Containers used	Temperature Upon Request	Laboratory Comments
Refill requested	Date	Time	Received by	Date	Time				
<u>Refill requested</u>	<u>5-28</u>	<u>12:30</u>	<u>11:35</u>	<u>5-28</u>	<u>14:57</u>				
<u>Refill requested</u>	<u>5-28</u>	<u>14:57</u>	<u>14:57</u>	<u>5-28</u>	<u>14:57</u>				
Special Instructions									
FAX RESULTS TO PAT MCCASLAND ASAP									
ANALYZE FOR									
TCLP									
TOTAL									
TPH 418.1									
TPH TX 1006/1006									
TPH 801M GR/DRO									
Metals									
Volatiles									
Semivolatiles									
bTEX 8021B/5030									
Low toxicity									
Corrosivity									
Reactivity									
RUSH TAT									
Standard TAT									



NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

GARY E. JOHNSON
Governor
Betty Rivera
Cabinet Secretary

Lori Wrotenbery
Director
Oil Conservation Division

FAX

TO: MARTINE KIELING

FROM: LARRY JOHNSON
Energy Minerals and Natural Resources Department,
Oil Conservation Division

RE: ATTACHED 138

DATE: _____

124!

MORE FOR YOU TO DO —

LARRY

11

Pages (Including Transmittal)

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-138
Revised March 17, 1999

Submit Original
Plus 1 Copy
to Appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☒ ☐ Verbal Approval Received: Yes ☐ No ☒	4. Generator EOTT Energy Pipeline
2. Management Facility Destination Controlled Recovery Inc.	5. Originating Site Lynch Station
3. Address of Facility Operator P.O. Box 388, Hobbs	6. Transporter E.P.I.
7. Location of Material (Street Address or ULSTR) 5805 E. Hwy. 80, Midland	8. State New Mexico
9. <u>Circle One</u> : A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job. B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved. All transporters must certify the wastes delivered are only those consigned for transport.	

BRIEF DESCRIPTION OF MATERIAL:

08-16-02

Oil Contaminated Soil generated from a pipeline leak.

Enclosed is certificate of waste status, analytical data, and chain of custody.

Estimated Volume appx. 2,000 yards cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE Carmella Van Maanen TITLE: Bookkeeper DATE: 08-16-02
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Carmella Van Maanen TELEPHONE NO: (505) 393-1079

(This space for State Use)

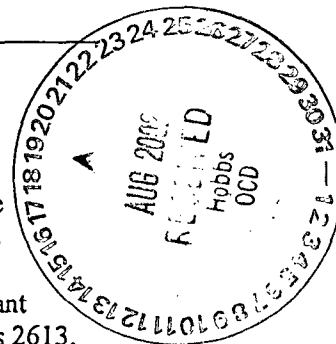
APPROVED BY: [Signature] TITLE: ENVIRO ENGR DATE: 8/19/02
APPROVED BY: [Signature] TITLE: Environmental Geologist DATE: 8/19/02

CERTIFICATE OF WASTE STATUS
NON-EXEMPT WASTE MATERIAL
"AS REQUIRED BY NEW MEXICO OIL CONSERVATION DIVISION"

COMPANY / GENERATOR EDT Energy Pipeline
ADDRESS 5805 E. Hwy 80 Midland Texas 79701
GENERATING SITE Lynch Station
COUNTY Lea STATE N.M.
TYPE OF WASTE Oil contaminated Soil
ESTIMATED VOLUME 2000 yards
GENERATING PROCESS Pipeline leak

REMARKS _____
NMOCD FACILITY CRI
TRUCKING COMPANY E.P.I.

As a condition of acceptance for disposal, I hereby certify that this waste is a non-exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. To my knowledge, this waste will be analyzed pursuant to the provisions of 40 CFR Part 261 to verify the nature as non-hazardous. I further certify that to my knowledge "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has not been added or mixed with the waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, Sections 261.3.



AGENT Frank Hernandez
SIGNATURE
NAME FRANK Hernandez
PRINTED
ADDRESS 5805 E. Hwy. 80
Midland, TX 79701
DATE 8-16-02

May 31 02 11:32a

p. 1

ANALYTICAL REPORT

Prepared for:

Frank Hernandez
EOTT Energy Pipeline
5805 E. Hwy. 80
Midland, TX 79701

Project: Lynch Station 5-25-02
Order#: G0203443
Report Date: 05/30/2002

Certificates

US EPA Laboratory Code TX00158

May 31 02 11:32a

P. 2

ENVIRONMENTAL LAB OF TEXAS

SAMPLE WORK LIST

EOTT Energy Pipeline
5805 E. Hwy. 80
Midland, TX 79701
915-684-3456

Order#: G0203443
Project: 2002-10149
Project Name: Lynch Station 5-25-02
Location: Lynch Station

The samples listed below were submitted to Environmental Lab of Texas and were received under chain of custody. Environmental Lab of Texas makes no representation or certification as to the method of sample collection, sample identification, or transportation/handling procedures used prior to the receipt of samples by Environmental Lab of Texas.

<u>Lab ID:</u>	<u>Sample :</u>	<u>Matrix:</u>	<u>Date / Time</u> <u>Collected</u>	<u>Date / Time</u> <u>Received</u>	<u>Container</u>	<u>Preservative</u>
0203443-01	SELS52802SPG	SOIL	5/28/02 11:00	5/28/02 14:37	L amber glass	Ice
<u>Lab Testing:</u>		Rejected: No	Temp: -1.5 C			
8015M						
RCI						
TCLP BTEX 8021B,1311						

May 31 02 11:32a

p. 3

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Frank Hernandez
EOTT Energy Pipeline
5805 E. Hwy. 80
Midland, TX 79701

Order#: G0203443
Project: 2002-10149
Project Name: Lynch Station 5-25-02
Location: Lynch Station

Lab ID: 0203443-01
Sample ID: SELS52802SPG

8015M

Method <u>Blank</u>	Date <u>Prepared</u>	Date <u>Analyzed</u>	Sample <u>Amount</u>	Dilution <u>Factor</u>	Analyst	Method
		5/29/02	1	5	CK	8015M

Parameter	Result mg/kg	RL
GRO, C6-C12	4160	50.0
DRO, >C12-C35	6900	50.0
TOTAL, C6-C35	11060	50.0

TCLP BTEX 8021B, 1311

Method <u>Blank</u>	Date <u>Prepared</u>	Date <u>Analyzed</u>	Sample <u>Amount</u>	Dilution <u>Factor</u>	Analyst	Method
0001813-02	5/28/02	5/29/02 17:23	1	1	CK	1311/8021B

Parameter	Result mg/L	RL
Benzene	<0.001	0.001
Ethylbenzene	0.012	0.001
Toluene	0.004	0.001
p/m-Xylene	0.063	0.001
o-Xylene	0.094	0.001

Approval: *Raland K. Tuttle* 5-31-02
 Raland K. Tuttle, Lab Director, QA Officer Date
 Celey D. Keene, Org. Tech. Director
 Jeanne McMurrey, Inorg. Tech. Director
 Sandra Blezuger, Lab Tech.
 Sara Molina, Lab Tech.

DL = Diluted out N/A = Not Applicable RL = Reporting Limit

Page 1 of 1

ENVIRONMENTAL LAB OF TEXAS I, LTD.

12600 West I-20 East, Odessa, TX 79765 Ph: 915-363-1800

May 31 02 11:32a

p. 4

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Frank Hernandez
EOTT Energy Pipeline
5805 E. Hwy. 80
Midland, TX 79701

Order#: G0203443
Project: 2002-10149
Project Name: Lynch Station 5-25-02
Location: Lynch Station

Lab ID: 0203443-01
Sample ID: SELS52802SPG

RCI

<u>Parameter</u>	<u>Result</u>	<u>Units</u>	<u>Dilution Factor</u>	<u>RL</u>	<u>Method</u>	<u>Date Analyzed</u>	<u>Analyst</u>
Ignitability	>100	C	1	NA	1010	5/30/02	CC
pH	8.38	pH Units	1	N/A	9045C	5/30/02	SB
Reactive Cyanide	<0.09	mg/kg	1	0.09	SW846 CH.7	5/29/02	CC
Reactive Sulfide	28.8	mg/kg	1	5.0	SW846 CH.7	5/29/02	CC

Approval: Raland K Tuttle 5-31-02
Raland K. Tuttle, Lab Director, QA Officer
Celey D. Keene, Org. Tech. Director
Jeanne McMurrey, Inorg. Tech. Director
Sandra Blezughbe, Lab Tech.
Sara Molina, Lab Tech.

RL = Reporting Limit N/A = Not Applicable

Page 1 of 1

May 31 02 11:33a

p. 5

ENVIRONMENTAL LAB OF TEXAS**QUALITY CONTROL REPORT****8015M****Order#: G0203443**

BLANK	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0001815-02			<10.0		
CONTROL	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0001815-03		952	724	76.1%	
CONTROL DUP	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0001815-04		952	764	80.3%	5.4%
SRM	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
TOTAL, C6-C35-mg/kg		0001815-05		1000	902	90.2%	

ENVIRONMENTAL LAB OF TEXAS

QUALITY CONTROL REPORT

RCI

Order#: G0203443

BLANK	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
pH-pH Units		0001835-01			4.86		
Reactive Cyanide-mg/kg		0001808-01			<0.09		
Reactive Sulfide-mg/kg		0001809-01			<5.0		
CONTROL	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Reactive Cyanide-mg/kg		0001808-02		0.1	0.087	87.7%	
Reactive Sulfide-mg/kg		0001809-02		13.6	10.3	75.7%	
CONTROL DUP	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Reactive Cyanide-mg/kg		0001808-03		0.1	0.087	87.7%	0.2%
Reactive Sulfide-mg/kg		0001809-03		13.6	10.2	75.7%	1.1%
DUPLICATE	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Ignitability-C		0203443-01	0		>100		0.0%
pH-pH Units		0203443-01	8.38		8.39		0.1%
Reactive Cyanide-mg/kg		0203443-01	0		<0.09		0.0%
SRM	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
pH-pH Units		0001835-04		10	10.06	100.6%	
Reactive Cyanide-mg/kg		0001808-04		1	0.88	88.0%	
Reactive Sulfide-mg/kg		0001809-04		680	491	72.2%	

May 31 02 11:33a

p. 7

ENVIRONMENTAL LAB OF TEXAS**QUALITY CONTROL REPORT****TCLP BTEX 8021B,1311**

Order#: G0203443

BLANK	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/L		0001813-02			<0.001		
Ethylbenzene-mg/L		0001813-02			<0.001		
Toluene-mg/L		0001813-02			<0.001		
p/m-Xylene-mg/L		0001813-02			<0.001		
o-Xylene-mg/L		0001813-02			<0.001		
CONTROL	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/L		0001813-03		0.1	0.115	115.0%	
Ethylbenzene-mg/L		0001813-03		0.1	0.110	110.0%	
Toluene-mg/L		0001813-03		0.1	0.111	111.0%	
p/m-Xylene-mg/L		0001813-03		0.2	0.224	112.0%	
o-Xylene-mg/L		0001813-03		0.1	0.113	113.0%	
CONTROL DUP	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/L		0001813-04		0.1	0.115	115.0%	0.0%
Ethylbenzene-mg/L		0001813-04		0.1	0.111	111.0%	0.9%
Toluene-mg/L		0001813-04		0.1	0.114	114.0%	2.7%
p/m-Xylene-mg/L		0001813-04		0.2	0.224	112.0%	0.0%
o-Xylene-mg/L		0001813-04		0.1	0.112	112.0%	0.9%
SRM	SOIL	LAB-ID #	Sample Concentr.	Spike Concentr.	QC Test Result	Pct (%) Recovery	RPD
Benzene-mg/L		0001813-05		0.1	0.113	113.0%	
Ethylbenzene-mg/L		0001813-05		0.1	0.112	112.0%	
Toluene-mg/L		0001813-05		0.1	0.113	113.0%	
p/m-Xylene-mg/L		0001813-05		0.2	0.223	111.5%	
o-Xylene-mg/L		0001813-05		0.1	0.110	110.0%	

Environmental Lab of Texas, Inc.

12600 West I-20 East Phone: 915-563-1800
Odessa Texas 79763 Fax: 915-563-1713

Phone: 915-563-1800
Fax: 915-563-1713

Project Manager: FRANK HERNANDEZ

Company Name: EOTT ENERGY PIPELINE

Company Address: 5805 E. HIGHWAY 80

City/State/Zip: MIDLAND TX 79701

Telephone No: 915-556-0190

Sampler Signature: Rozanne

Project Name: Lynch Station 5-25-02

Project #: 2002-10149

Project Loc: Lyuck Station

PO#:

[illegible]

District I
1625 N. Freach 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-138
Revised March 17, 1999

Submit Original
Plus 1 Copy
to Appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

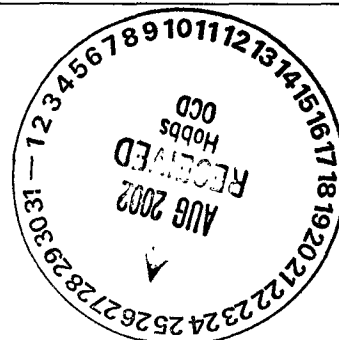
1. RCRA Exempt: ☐ Non-Exempt: ☒ ☐ Verbal Approval Received: Yes ☐ No ☒	4. Generator El Paso Natural Gas
2. Management Facility Destination Controlled Recovery Inc.	5. Originating Site Washington Ranch
3. Address of Facility Operator P.O. Box 388, Hobbs	6. Transporter CRI
7. Location of Material (Street Address or ULSTR) Washington Ranch	8. State New Mexico
9. Circle One: A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job. B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved. All transporters must certify the wastes delivered are only those consigned for transport.	

BRIEF DESCRIPTION OF MATERIAL:

08-26-02

Contaminated Soil generated from pit closure.

Enclosed is certificate of waste status, analytical data, and chain of custody.



Estimated Volume appx. 270 yards cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE Carmella Van Maanen TITLE: Bookkeeper DATE: 08-26-02
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Carmella Van Maanen TELEPHONE NO: (505) 393-1079

(This space for State Use)

APPROVED BY: [Signature] TITLE: Enrico Enar DATE: 8/27/02

APPROVED BY: [Signature] TITLE: Environmental Geologist DATE: 7/3/02

1-203030

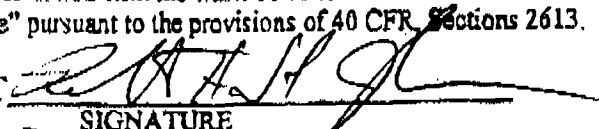
CERTIFICATE OF WASTE STATUS
NON-EXEMPT WASTE MATERIAL
"AS REQUIRED BY NEW MEXICO OIL CONSERVATION DIVISION"

COMPANY / GENERATOR EL PASO NATURAL GASADDRESS WASHINGTON RANCHGENERATING SITE WASHINGTON RANCHCOUNTY EDDY STATE NMTYPE OF WASTE NON HAZARDOUS SOILESTIMATED VOLUME 270 YARDSGENERATING PROCESS PIT CLOSURE

REMARKS _____

NMOCD FACILITY CONTROLLED RECOVERY INC.TRUCKING COMPANY CONTROLLED RECOVERY INC.

As a condition of acceptance for disposal, I hereby certify that this waste is a non-exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. To my knowledge, this waste will be analyzed pursuant to the provisions of 40 CFR Part 261 to verify the nature as non-hazardous. I further certify that to my knowledge "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has not been added or mixed with the waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR Sections 261.3.

AGENT 

SIGNATURE

NAME Robert H. J. Brown

PRINTED

ADDRESS 3300 NORTH A STBlk 2 Suite 200, Midland, TX 79705DATE August 26, 2002

Analytical and Quality Control Report

Bob Wilcox
AMEC
301 N. Colorado St Suite 350
Midland, Tx. 79701

Report Date: August 26, 2002

Order ID Number: A02081627

Project Number: 2-517-00308M
Project Name: Task 2 Pit Closure
Project Location: Washington Ranch

Enclosed are the Analytical Results and Quality Control Data Reports for the following samples submitted to Trace-Analysis, Inc.

Sample	Description	Matrix	Date Taken	Time Taken	Date Received
205442	Waste Composite	Soil	8/15/02	11.15	8/16/02

These results represent only the samples received in the laboratory. The Quality Control Report is generated on a batch basis. All information contained in this report is for the analytical batch(es) in which your sample(s) were analyzed. Note: the RDL is equal to MQL for all organic analytes including TPH. The test results contained within this report meet all requirements of LAC 33-I unless otherwise noted.

This report consists of a total of 20 pages and shall not be reproduced except in its entirety including the chain of custody (COC), without written approval of TraceAnalysis, Inc.

Note: Samples will be disposed of 30 days from the report date unless the lab is contacted before the 30 days has past.



Dr. Blair Leftwich, Director

Report Date: August 26, 2002
2-517-00308M

Order Number: A02081627
Task 2 Pit Closure

Page Number: 2 of 20
Washington Ranch

Analytical Report

Sample: 205442 - Waste Composite

Analysis: Corrosivity Analytical Method: S 1110 QC Batch: QC23026 Date Analyzed: 8/23/02
Analyst: JT Preparation Method: N/A Prep Batch: PB21639 Date Prepared: 8/23/02

Param	Flag	Result	Units	Dilution	RDL
Corrosivity		Non Corrosive	mm/yr	1	
pH		7.8	s.u.	1	

Sample: 205442 - Waste Composite

Analysis: Hg, Total Analytical Method: S 7471A QC Batch: QC22991 Date Analyzed: 8/22/02
Analyst: BC Preparation Method: N/A Prep Batch: PB21621 Date Prepared: 8/22/02

Param	Flag	Result	Units	Dilution	RDL
Total Mercury		<0.19	mg/Kg	1	0.19

Sample: 205442 - Waste Composite

Analysis: Ignitability Analytical Method: SW-846 Ch. 7.1 QC Batch: QC23024 Date Analyzed: 8/23/02
Analyst: JT Preparation Method: Prep Batch: PB21638 Date Prepared: 8/23/02

Param	Flag	Result	Units	Dilution	RDL
Ignitability		non-ignitable		1	

Sample: 205442 - Waste Composite

Analysis: PCB Analytical Method: 8082 QC Batch: QC22823 Date Analyzed: 8/18/02
Analyst: AG Preparation Method: 3550 Prep Batch: PB21452 Date Prepared: 8/16/02

Param	Flag	Result	Units	Dilution	RDL
PCB		<0.004	mg/Kg	0.16	0.004
Aroclor 1016 (PCB-1016)		<0.004	mg/Kg	0.16	0.004
Aroclor 1221 (PCB-1221)		<0.004	mg/Kg	0.16	0.004
Aroclor 1232 (PCB-1232)		<0.004	mg/Kg	0.16	0.004
Aroclor 1242 (PCB-1242)		<0.004	mg/Kg	0.16	0.004
Aroclor 1248 (PCB-1248)		<0.004	mg/Kg	0.16	0.004
Aroclor 1254 (PCB-1254)		<0.004	mg/Kg	0.16	0.004
Aroclor 1260 (PCB-1260)		<0.004	mg/Kg	0.16	0.004

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
deca chlorobiphenyl		0.0184	mg/Kg	0.16	0.01	115	0 - 183

Sample: 205442 - Waste Composite

Analysis: Reactivity Analytical Method: ASTM D 5049-90/4978-95 QC Batch: QC23027 Date Analyzed: 8/23/02
Analyst: JT Preparation Method: N/A Prep Batch: PB21640 Date Prepared: 8/23/02

Report Date: August 26, 2002
2-517-00308M

Order Number: A02081627
Task 2 Pit Closure

Page Number: 3 of 20
Washington Ranch

Param	Flag	Result	Units	Dilution	RDL
Reactivity		Non-reactive		1	
Hydrogen Sulfide		<10	mg/Kg	1	
Hydrogen Cyanide		<2.5	mg/Kg	1	

Sample: 205442 - Waste Composite

Analysis: Semivolatiles Analytical Method: S 8270C QC Batch: QC22953 Date Analyzed: 8/21/02
Analyst: RC Preparation Method: E 3510C Prep Batch: PB21583 Date Prepared: 8/20/02

Param	Flag	Result	Units	Dilution	RDL
Pyridine		<0.25	mg/Kg	1	0.25
n-Nitrosodimethylamine		<0.25	mg/Kg	1	0.25
2-Picoline		<0.25	mg/Kg	1	0.25
Methyl methanesulfonate		<0.25	mg/Kg	1	0.25
Ethyl methanesulfonate		<0.25	mg/Kg	1	0.25
Phenol		<0.25	mg/Kg	1	0.25
Aniline		<0.25	mg/Kg	1	0.25
bis (2-chloroethyl) ether		<0.25	mg/Kg	1	0.25
2-Chlorophenol		<0.25	mg/Kg	1	0.25
1,3-Dichlorobenzene (meta)		<0.25	mg/Kg	1	0.25
1,4-Dichlorobenzene		<0.25	mg/Kg	1	0.25
Benzyl alcohol		<0.25	mg/Kg	1	0.25
1,2-Dichlorobenzene		<0.25	mg/Kg	1	0.25
2-Methylphenol		<0.25	mg/Kg	1	0.25
bis (2-chloroisopropyl) ether		<0.25	mg/Kg	1	0.25
4-Methylphenol/3-Methylphenol		<0.25	mg/Kg	1	0.25
Acetophenone		<0.25	mg/Kg	1	0.25
n-Nitrosodi-n-propylamine		<0.25	mg/Kg	1	0.25
Hexachloroethane		<0.25	mg/Kg	1	0.25
Nitrobenzene		<0.25	mg/Kg	1	0.25
n-Nitrosopiperidine		<0.25	mg/Kg	1	0.25
Isophorone		<0.25	mg/Kg	1	0.25
2-Nitrophenol		<0.25	mg/Kg	1	0.25
2,4-Dimethylphenol		<0.25	mg/Kg	1	0.25
bis (2-chloroethoxy) methane		<0.25	mg/Kg	1	0.25
Benzoic acid		<0.25	mg/Kg	1	0.25
2,4-Dichlorophenol		<0.25	mg/Kg	1	0.25
1,2,4-Trichlorobenzene		<0.25	mg/Kg	1	0.25
a,a-Dimethylphenethylamine		<0.25	mg/Kg	1	0.25
Naphthalene		<0.25	mg/Kg	1	0.25
4-Chloroaniline		<0.25	mg/Kg	1	0.25
2,6-Dichlorophenol		<0.25	mg/Kg	1	0.25
Hexachlorobutadiene		<0.25	mg/Kg	1	0.25
n-Nitroso-di-n-butylamine		<0.25	mg/Kg	1	0.25
4-Chloro-3-methylphenol		<0.25	mg/Kg	1	0.25
1-Methylnaphthalene		<0.25	mg/Kg	1	0.25
2-Methylnaphthalene		<0.25	mg/Kg	1	0.25
1,2,4,5-Tetrachlorobenzene		<0.25	mg/Kg	1	0.25
Hexachlorocyclopentadiene		<0.25	mg/Kg	1	0.25
2,4,6-Trichlorophenol		<0.25	mg/Kg	1	0.25
2,4,5-Trichlorophenol		<0.25	mg/Kg	1	0.25
2-Chloronaphthalene		<0.25	mg/Kg	1	0.25
1-Chloronaphthalene		<0.25	mg/Kg	1	0.25

Continued ...

Report Date: August 26, 2002
2-517-00308M

Order Number: A02081627
Task 2 Pit Closure

Page Number: 4 of 20
Washington Ranch

... Continued Sample: 205442 Analysis: Semivolatiles

Param	Flag	Result	Units	Dilution	RDL
2-Nitroaniline		<0.25	mg/Kg	1	0.25
Dimethylphthalate		<0.25	mg/Kg	1	0.25
Acenaphthylene		<0.25	mg/Kg	1	0.25
2,6-Dinitrotoluene		<0.25	mg/Kg	1	0.25
3-Nitroaniline		<0.25	mg/Kg	1	0.25
Acenaphthene		<0.25	mg/Kg	1	0.25
2,4-Dinitrophenol		<0.25	mg/Kg	1	0.25
Dibenzofuran		<0.25	mg/Kg	1	0.25
Pentachlorobenzene		<0.25	mg/Kg	1	0.25
4-Nitrophenol		<0.25	mg/Kg	1	0.25
1-Naphthylamine		<0.25	mg/Kg	1	0.25
2,4-Dinitrotoluene		<0.25	mg/Kg	1	0.25
2-Naphthylamine		<0.25	mg/Kg	1	0.25
2,3,4,6-Tetrachlorophenol		<0.25	mg/Kg	1	0.25
Fluorene		<0.25	mg/Kg	1	0.25
Diethylphthalate		<0.25	mg/Kg	1	0.25
4-Chlorophenyl-phenylether		<0.25	mg/Kg	1	0.25
4-Nitroaniline		<0.25	mg/Kg	1	0.25
4,6-Dinitro-2-methylphenol		<0.25	mg/Kg	1	0.25
Diphenylamine		<0.25	mg/Kg	1	0.25
Diphenylhydrazine		<0.25	mg/Kg	1	0.25
4-Bromophenyl-phenylether		<0.25	mg/Kg	1	0.25
Phenacetin		<0.25	mg/Kg	1	0.25
Hexachlorobenzene		<0.25	mg/Kg	1	0.25
4-Aminobiphenyl		<0.25	mg/Kg	1	0.25
Pentachlorophenol		<0.25	mg/Kg	1	0.25
Pentachloronitrobenzene		<0.25	mg/Kg	1	0.25
Pronamide		<0.25	mg/Kg	1	0.25
Phenanthrene		<0.25	mg/Kg	1	0.25
Anthracene		<0.25	mg/Kg	1	0.25
Di-n-butylphthalate		<0.25	mg/Kg	1	0.25
Fluoranthene		<0.25	mg/Kg	1	0.25
Benzidine		<0.25	mg/Kg	1	0.25
Pyrene		<0.25	mg/Kg	1	0.25
p-Dimethylaminoazobenzene		<0.25	mg/Kg	1	0.25
Butylbenzylphthalate		<0.25	mg/Kg	1	0.25
Benzo(a)anthracene		<0.25	mg/Kg	1	0.25
3,3-Dichlorobenzidine		<0.25	mg/Kg	1	0.25
Chrysene		<0.25	mg/Kg	1	0.25
Bis (2-ethylhexyl) phthalate		<0.25	mg/Kg	1	0.25
Di-n-octylphthalate		<0.25	mg/Kg	1	0.25
Benzo(b)fluoranthene		<0.25	mg/Kg	1	0.25
7,12-Dimethylbenz(a)anthracene		<0.25	mg/Kg	1	0.25
Benzo(k)fluoranthene		<0.25	mg/Kg	1	0.25
Benzo(a)pyrene		<0.25	mg/Kg	1	0.25
3-Methylcholanthrene		<0.25	mg/Kg	1	0.25
Dibenzo(a,j)acridine		<0.25	mg/Kg	1	0.25
Indeno(1,2,3-cd)pyrene		<0.25	mg/Kg	1	0.25
Dibenzo(a,h)anthracene		<0.25	mg/Kg	1	0.25
Benzo(g,h,i)perylene		<0.25	mg/Kg	1	0.25

Report Date: August 26, 2002
2-517-00308M

Order Number: A02081627
Task 2 Pit Closure

Page Number: 5 of 20
Washington Ranch

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		44.23	mg/Kg	1	80	55	25 - 121
Phenol-d5		50.56	mg/Kg	1	80	63	24 - 113
Nitrobenzene-d5		49.66	mg/Kg	1	80	62	23 - 120
2-Fluorobiphenyl		49.57	mg/Kg	1	80	61	30 - 115
2,4,6-Tribromophenol		54.14	mg/Kg	1	80	67	19 - 122
Terphenyl-d14		50.33	mg/Kg	1	80	62	28 - 137

Sample: 205442 - Waste Composite

Analysis: TPH DRO Analytical Method: Mod 8015B QC Batch: QC22955 Date Analyzed: 8/21/02
Analyst: BP Preparation Method: 3550 B Prep Batch: PB21586 Date Prepared: 8/21/02

Param	Flag	Result	Units	Dilution	RDL
DRO		<50.0	mg/Kg	1	50

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		168	mg/Kg	1	150	112	70 - 130

Sample: 205442 - Waste Composite

Analysis: TPH GRO Analytical Method: 8015B QC Batch: QC22933 Date Analyzed: 8/20/02
Analyst: CG Preparation Method: 5035 Prep Batch: PB21573 Date Prepared: 8/20/02

Param	Flag	Result	Units	Dilution	RDL
GRO		<1	mg/Kg	10	0.10

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
TFT		0.865	mg/Kg	10	0.10	86	70 - 130
4-BFB		0.806	mg/Kg	10	0.10	81	70 - 130

Sample: 205442 - Waste Composite

Analysis: Total Metals Analytical Method: S 6010B QC Batch: QC23022 Date Analyzed: 8/23/02
Analyst: RR Preparation Method: S 3050B Prep Batch: PB21618 Date Prepared: 8/22/02

Param	Flag	Result	Units	Dilution	RDL
Total Arsenic		<5.00	mg/Kg	100	0.05
Total Barium		102	mg/Kg	100	0.10
Total Cadmium		0.660	mg/Kg	100	0.005
Total Chromium		10.4	mg/Kg	100	0.01
Total Lead		7.16	mg/Kg	100	0.01
Total Selenium		<1.00	mg/Kg	100	0.01
Total Silver		<0.200	mg/Kg	100	0.002

Report Date: August 26, 2002
2-517-00308M

Order Number: A02081627
Task 2 Pit Closure

Page Number: 6 of 20
Washington Ranch

Sample: 205442 - Waste Composite

Analysis: Volatiles Analytical Method: S 8260B QC Batch: QC22874 Date Analyzed: 8/19/02
Analyst: JG Preparation Method: E 5u30B Prep Batch: PB21521 Date Prepared: 8/19/02

Param	Flag	Result	Units	Dilution	RDL
Bromochloromethane		<25.0	µg/Kg	25	1
Dichlorodifluoromethane		<25.0	µg/Kg	25	1
Chloromethane (methyl chloride)		<25.0	µg/Kg	25	1
Vinyl Chloride		<25.0	µg/Kg	25	1
Bromomethane (methyl bromide)		<125	µg/Kg	25	5
Chloroethane		<25.0	µg/Kg	25	1
Trichlorofluoromethane		<25.0	µg/Kg	25	1
Acetone		<250	µg/Kg	25	10
Iodomethane (methyl iodide)		<125	µg/Kg	25	5
Carbon Disulfide		<25.0	µg/Kg	25	1
Acrylonitrile		<25.0	µg/Kg	25	1
2-Butanone (MEK)		<125	µg/Kg	25	5
4-methyl-2-pentanone (MIBK)		<125	µg/Kg	25	5
2-hexanone		<125	µg/Kg	25	5
trans-1,4-Dichloro-2-butene		<250	µg/Kg	25	10
1,1-Dichloroethene		<25.0	µg/Kg	25	1
Methylene chloride		<125	µg/Kg	25	5
MTBE		<25.0	µg/Kg	25	1
trans-1,2-Dichloroethene		<25.0	µg/Kg	25	1
1,1-Dichloroethane		<25.0	µg/Kg	25	1
cis-1,2-Dichloroethene		<25.0	µg/Kg	25	1
2,2-Dichloropropane		<25.0	µg/Kg	25	1
1,2-Dichloroethane (EDC)		<25.0	µg/Kg	25	1
Chloroform		<25.0	µg/Kg	25	1
1,1,1-Trichloroethane		<25.0	µg/Kg	25	1
1,1-Dichloropropene		<25.0	µg/Kg	25	1
Benzene		<25.0	µg/Kg	25	1
Carbon Tetrachloride		<25.0	µg/Kg	25	1
1,2-Dichloropropane		<25.0	µg/Kg	25	1
Trichloroethene (TCE)		<25.0	µg/Kg	25	1
Dibromomethane (methylene bromide)		<25.0	µg/Kg	25	1
Bromodichloromethane		<25.0	µg/Kg	25	1
2-Chloroethyl vinyl ether		<125	µg/Kg	25	5
cis-1,3-Dichloropropene		<25.0	µg/Kg	25	1
trans-1,3-Dichloropropene		<25.0	µg/Kg	25	1
Toluene		<25.0	µg/Kg	25	1
1,1,2-Trichloroethane		<25.0	µg/Kg	25	1
1,3-Dichloropropane		<25.0	µg/Kg	25	1
Dibromochloromethane		<25.0	µg/Kg	25	1
1,2-Dibromoethane (EDB)		<25.0	µg/Kg	25	1
Tetrachloroethene (PCE)		<25.0	µg/Kg	25	1
Chlorobenzene		<25.0	µg/Kg	25	1
1,1,1,2-Tetrachloroethane		<25.0	µg/Kg	25	1
Ethylbenzene		<25.0	µg/Kg	25	1
m,p-Xylene		<25.0	µg/Kg	25	1
Bromoform		<25.0	µg/Kg	25	1
Styrene		<25.0	µg/Kg	25	1
o-Xylene		<25.0	µg/Kg	25	1
1,1,2,2-Tetrachloroethane		<25.0	µg/Kg	25	1
2-Chlorotoluene		<25.0	µg/Kg	25	1

Continued ...

Report Date: August 26, 2002
2-517-00308M

Order Number: A02081627
Task 2 Pit Closure

Page Number: 7 of 20
Washington Ranch

... Continued Sample: 205442 Analysis: Volatiles

Param	Flag	Result	Units	Dilution	RDL
1,2,3-Trichloropropane		<25.0	µg/Kg	25	1
Isopropylbenzene		<25.0	µg/Kg	25	1
Bromobenzene		<25.0	µg/Kg	25	1
n-Propylbenzene		<25.0	µg/Kg	25	1
1,3,5-Trimethylbenzene		<25.0	µg/Kg	25	1
tert-Butylbenzene		<25.0	µg/Kg	25	1
1,2,4-Trimethylbenzene		<25.0	µg/Kg	25	1
1,4-Dichlorobenzene (para)		<25.0	µg/Kg	25	1
sec-Butylbenzene		<25.0	µg/Kg	25	1
1,3-Dichlorobenzene (meta)		<25.0	µg/Kg	25	1
p-Isopropyltoluene		<25.0	µg/Kg	25	1
4-Chlorotoluene		<25.0	µg/Kg	25	1
1,2-Dichlorobenzene (ortho)		<25.0	µg/Kg	25	1
n-Butylbenzene		<25.0	µg/Kg	25	1
1,2-Dibromo-3-chloropropane		<125	µg/Kg	25	5
1,2,3-Trichlorobenzene		<125	µg/Kg	25	5
1,2,4-Trichlorobenzene		<125	µg/Kg	25	5
Naphthalene		<125	µg/Kg	25	5
Hexachlorobutadiene		<125	µg/Kg	25	5

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		44.5	µg/Kg	1	50	89	70 - 130
Toluene-d8		48.3	µg/Kg	1	50	96	70 - 130
4-Bromofluorobenzene		47.1	µg/Kg	1	50	94	70 - 130

Report Date: August 26, 2002
2-517-00308M

Order Number: A02081627
Task 2 Pit Closure

Page Number: 8 of 20
Washington Ranch

Quality Control Report Method Blank

Method Blank QC Batch: QC22823

Param	Flag	Results	Units	Reporting Limit
PCB		<0.004	mg/Kg	0.004
Aroclor 1016 (PCB-1016)		<0.004	mg/Kg	0.004
Aroclor 1221 (PCB-1221)		<0.004	mg/Kg	0.004
Aroclor 1232 (PCB-1232)		<0.004	mg/Kg	0.004
Aroclor 1242 (PCB-1242)		<0.004	mg/Kg	0.004
Aroclor 1248 (PCB-1248)		<0.004	mg/Kg	0.004
Aroclor 1254 (PCB-1254)		<0.004	mg/Kg	0.004
Aroclor 1260 (PCB-1260)		<0.004	mg/Kg	0.004

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
deca chlorobiphenyl		0.0192	mg/Kg	1	0.01	120	0 - 183

Method Blank QC Batch: QC22874

Param	Flag	Results	Units	Reporting Limit
Bromochloromethane		<25.0	µg/Kg	1
Dichlorodifluoromethane		<25.0	µg/Kg	1
Chloromethane (methyl chloride)		<25.0	µg/Kg	1
Vinyl Chloride		<25.0	µg/Kg	1
Bromomethane (methyl bromide)		<125	µg/Kg	5
Chloroethane		<25.0	µg/Kg	1
Trichlorofluoromethane		<25.0	µg/Kg	1
Acetone		<250	µg/Kg	10
Iodomethane (methyl iodide)		<125	µg/Kg	5
Carbon Disulfide		<25.0	µg/Kg	1
Acrylonitrile		<25.0	µg/Kg	1
2-Butanone (MEK)		<125	µg/Kg	5
4-methyl-2-pentanone (MIBK)		<125	µg/Kg	5
2-hexanone		<125	µg/Kg	5
trans-1,4-Dichloro-2-butene		<250	µg/Kg	10
1,1-Dichloroethene		<25.0	µg/Kg	1
Methylene chloride		<125	µg/Kg	5
MTBE		<25.0	µg/Kg	1
trans-1,2-Dichloroethene		<25.0	µg/Kg	1
1,1-Dichloroethane		<25.0	µg/Kg	1
cis-1,2-Dichloroethene		<25.0	µg/Kg	1
2,2-Dichloropropane		<25.0	µg/Kg	1
1,2-Dichloroethane (EDC)		<25.0	µg/Kg	1
Chloroform		<25.0	µg/Kg	1
1,1,1-Trichloroethane		<25.0	µg/Kg	1
1,1-Dichloropropene		<25.0	µg/Kg	1

Continued ..

Report Date: August 26, 2002
2-517-00308M

Order Number: A02081627
Task 2 Pit Closure

Page Number: 9 of 20
Washington Ranch

... Continued

Param	Flag	Results	Units	Reporting Limit
Benzene		<25.0	µg/Kg	1
Carbon Tetrachloride		<25.0	µg/Kg	1
1,2-Dichloropropane		<25.0	µg/Kg	1
Trichloroethene (TCE)		<25.0	µg/Kg	1
Dibromomethane (methylene bromide)		<25.0	µg/Kg	1
Bromodichloromethane		<25.0	µg/Kg	1
2-Chloroethyl vinyl ether		<125	µg/Kg	5
cis-1,3-Dichloropropene		<25.0	µg/Kg	1
trans-1,3-Dichloropropene		<25.0	µg/Kg	1
Toluene		<25.0	µg/Kg	1
1,1,2-Trichloroethane		<25.0	µg/Kg	1
1,3-Dichloropropane		<25.0	µg/Kg	1
Dibromochloromethane		<25.0	µg/Kg	1
1,2-Dibromoethane (EDB)		<25.0	µg/Kg	1
Tetrachloroethene (PCE)		<25.0	µg/Kg	1
Chlorobenzene		<25.0	µg/Kg	1
1,1,1,2-Tetrachloroethane		<25.0	µg/Kg	1
Ethylbenzene		<25.0	µg/Kg	1
m,p-Xylene		<25.0	µg/Kg	1
Bromoform		<25.0	µg/Kg	1
Styrene		<25.0	µg/Kg	1
o-Xylene		<25.0	µg/Kg	1
1,1,2,2-Tetrachloroethane		<25.0	µg/Kg	1
2-Chlorotoluene		<25.0	µg/Kg	1
1,2,3-Trichloropropane		<25.0	µg/Kg	1
Isopropylbenzene		<25.0	µg/Kg	1
Bromobenzene		<25.0	µg/Kg	1
n-Propylbenzene		<25.0	µg/Kg	1
1,3,5-Trimethylbenzene		<25.0	µg/Kg	1
tert-Butylbenzene		<25.0	µg/Kg	1
1,2,4-Trimethylbenzene		<25.0	µg/Kg	1
1,4-Dichlorobenzene (para)		<25.0	µg/Kg	1
sec-Butylbenzene		<25.0	µg/Kg	1
1,3-Dichlorobenzene (meta)		<25.0	µg/Kg	1
p-Isopropyltoluene		<25.0	µg/Kg	1
4-Chlorotoluene		<25.0	µg/Kg	1
1,2-Dichlorobenzene (ortho)		<25.0	µg/Kg	1
n-Butylbenzene		<25.0	µg/Kg	1
1,2-Dibromo-3-chloropropane		<125	µg/Kg	5
1,2,3-Trichlorobenzene		<125	µg/Kg	5
1,2,4-Trichlorobenzene		<125	µg/Kg	5
Naphthalene		<125	µg/Kg	5
Hexachlorobutadiene		<125	µg/Kg	5

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		42.9	µg/Kg	1	50	86	70 - 130
Toluene-d8		48.8	µg/Kg	1	50	98	70 - 130
4-Bromofluorobenzene		46.3	µg/Kg	1	50	93	70 - 130

Report Date: August 26, 2002
2-517-00308M

Order Number: A02081627
Task 2 Pit Closure

Page Number: 10 of 20
Washington Ranch

Method Blank QCBatch: QC22933

Param	Flag	Results	Units	Reporting Limit
GRO		<1	mg/Kg	0.10

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
TFT		1.03	mg/Kg	10	0.10	103	70 - 130
4-BFB		0.925	mg/Kg	10	0.10	92	70 - 130

Method Blank QCBatch: QC22953

Param	Flag	Results	Units	Reporting Limit
Pyridine		<0.25	mg/Kg	0.25
n-Nitrosodimethylaniline		<0.25	mg/Kg	0.25
2-Picoline		<0.25	mg/Kg	0.25
Methyl methanesulfonate		<0.25	mg/Kg	0.25
Ethyl methanesulfonate		<0.25	mg/Kg	0.25
Phenol		<0.25	mg/Kg	0.25
Aniline		<0.25	mg/Kg	0.25
bis (2-chloroethyl) ether		<0.25	mg/Kg	0.25
2-Chlorophenol		<0.25	mg/Kg	0.25
1,3-Dichlorobenzene (meta)		<0.25	mg/Kg	0.25
1,4-Dichlorobenzene		<0.25	mg/Kg	0.25
Benzyl alcohol		<0.25	mg/Kg	0.25
1,2-Dichlorobenzene		<0.25	mg/Kg	0.25
2-Methylphenol		<0.25	mg/Kg	0.25
bis (2-chloroisopropyl) ether		<0.25	mg/Kg	0.25
4-Methylphenol/3-Methylphenol		<0.25	mg/Kg	0.25
Acetophenone		<0.25	mg/Kg	0.25
n-Nitrosodi-n-propylamine		<0.25	mg/Kg	0.25
Hexachloroethane		<0.25	mg/Kg	0.25
Nitrobenzene		<0.25	mg/Kg	0.25
n-Nitrosopiperidine		<0.25	mg/Kg	0.25
Isophorone		<0.25	mg/Kg	0.25
2-Nitrophenol		<0.25	mg/Kg	0.25
2,4-Dimethylphenol		<0.25	mg/Kg	0.25
bis (2-chloroethoxy) methane		<0.25	mg/Kg	0.25
Benzoic acid		<0.25	mg/Kg	0.25
2,4-Dichlorophenol		<0.25	mg/Kg	0.25
1,2,4-Trichlorobenzene		<0.25	mg/Kg	0.25
a,a-Dimethylphenethylamine		<0.25	mg/Kg	0.25
Naphthalene		<0.25	mg/Kg	0.25
4-Chloroaniline		<0.25	mg/Kg	0.25
2,6-Dichlorophenol		<0.25	mg/Kg	0.25
Hexachlorobutadiene		<0.25	mg/Kg	0.25
n-Nitroso-di-n-butylamine		<0.25	mg/Kg	0.25
4-Chloro-3-methylphenol		<0.25	mg/Kg	0.25
1-Methylnaphthalene		<0.25	mg/Kg	0.25
2-Methylnaphthalene		<0.25	mg/Kg	0.25

Continued ...

Report Date: August 26, 2002
2-517-00308M

Order Number: A02081627
Task 2 Pit Closure

Page Number: 11 of 20
Washington Ranch

... Continued

Param	Flag	Results	Units	Reporting Limit
1,2,4,5-Tetrachlorobenzene		<0.25	mg/Kg	0.25
Hexachlorocyclopentadiene		<0.25	mg/Kg	0.25
2,4,6-Trichlorophenol		<0.25	mg/Kg	0.25
2,4,5-Trichlorophenol		<0.25	mg/Kg	0.25
2-Chloronaphthalene		<0.25	mg/Kg	0.25
1-Chloronaphthalene		<0.25	mg/Kg	0.25
2-Nitroaniline		<0.25	mg/Kg	0.25
Dimethylphthalate		<0.25	mg/Kg	0.25
Acenaphthylene		<0.25	mg/Kg	0.25
2,6-Dinitrotoluene		<0.25	mg/Kg	0.25
3-Nitroaniline		<0.25	mg/Kg	0.25
Acenaphthene		<0.25	mg/Kg	0.25
2,4-Dinitrophenol		<0.25	mg/Kg	0.25
Dibenzofuran		<0.25	mg/Kg	0.25
Pentachlorobenzene		<0.25	mg/Kg	0.25
4-Nitrophenol		<0.25	mg/Kg	0.25
1-Naphthylamine		<0.25	mg/Kg	0.25
2,4-Dinitrotoluene		<0.25	mg/Kg	0.25
2-Naphthylamine		<0.25	mg/Kg	0.25
2,3,4,6-Tetrachlorophenol		<0.25	mg/Kg	0.25
Fluorene		<0.25	mg/Kg	0.25
Diethylphthalate		<0.25	mg/Kg	0.25
4-Chlorophenyl-phenylether		<0.25	mg/Kg	0.25
4-Nitroaniline		<0.25	mg/Kg	0.25
4,6-Dinitro-2-methylphenol		<0.25	mg/Kg	0.25
Diphenylamine		<0.25	mg/Kg	0.25
Diphenylhydrazine		<0.25	mg/Kg	0.25
4-Bromophenyl-phenylether		<0.25	mg/Kg	0.25
Phenacetin		<0.25	mg/Kg	0.25
Hexachlorobenzene		<0.25	mg/Kg	0.25
4-Aminobiphenyl		<0.25	mg/Kg	0.25
Pentachlorophenol		<0.25	mg/Kg	0.25
Pentachloronitrobenzene		<0.25	mg/Kg	0.25
Pronamide		<0.25	mg/Kg	0.25
Phenanthrene		<0.25	mg/Kg	0.25
Anthracene		<0.25	mg/Kg	0.25
Di-n-butylphthalate		<0.25	mg/Kg	0.25
Fluoranthene		<0.25	mg/Kg	0.25
Benzidine		<0.25	mg/Kg	0.25
Pyrene		<0.25	mg/Kg	0.25
p-Dimethylaminoazobenzene		<0.25	mg/Kg	0.25
Butylbenzylphthalate		<0.25	mg/Kg	0.25
Benzo(a)anthracene		<0.25	mg/Kg	0.25
3,3-Dichlorobenzidine		<0.25	mg/Kg	0.25
Chrysene		<0.25	mg/Kg	0.25
Bis (2-ethylhexyl) phthalate		<0.25	mg/Kg	0.25
Di-n-octylphthalate		<0.25	mg/Kg	0.25
Benzo(b)fluoranthene		<0.25	mg/Kg	0.25
7,12-Dimethylbenz(a)anthracene		<0.25	mg/Kg	0.25
Benzo(k)fluoranthene		<0.25	mg/Kg	0.25
Benzo(a)pyrene		<0.25	mg/Kg	0.25
3-Methylcholanthrene		<0.25	mg/Kg	0.25

Continued ...

Report Date: August 26, 2002
2-517-00308M

Order Number: A02081627
Task 2 Pit Closure

Page Number: 12 of 20
Washington Ranch

... Continued

Param	Flag	Results	Units	Reporting Limit
Dibenzo(a,j)acridine		<0.25	mg/Kg	0.25
Indeno(1,2,3-cd)pyrene		<0.25	mg/Kg	0.25
Dibenzo(a,h)anthracene		<0.25	mg/Kg	0.25
Benzo(g,h,i)perylene		<0.25	mg/Kg	0.25

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		53.18	mg/Kg	1	80	66	25 - 121
Phenol-d5		56.42	mg/Kg	1	80	70	24 - 113
Nitrobenzene-d5		59.99	mg/Kg	1	80	74	23 - 120
2-Fluorobiphenyl		58.23	mg/Kg	1	80	72	30 - 115
2,4,6-Tribromophenol		54.17	mg/Kg	1	80	67	19 - 122
Terphenyl-d14		57.89	mg/Kg	1	80	72	28 - 137

Method Blank QCBatch: QC22955

Param	Flag	Results	Units	Reporting Limit
DRO		<50.0	mg/Kg	50

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
n-Triacontane		147	mg/Kg	1	150	102	70 - 130

Method Blank QCBatch: QC22991

Param	Flag	Results	Units	Reporting Limit
Total Mercury		<0.19	mg/Kg	0.19

Method Blank QCBatch: QC23022

Param	Flag	Results	Units	Reporting Limit
Total Arsenic		<5.00	mg/Kg	0.05
Total Barium		<10.0	mg/Kg	0.10
Total Cadmium		<0.500	mg/Kg	0.005
Total Chromium		<1.00	mg/Kg	0.01
Total Lead		<1.00	mg/Kg	0.01
Total Selenium		1.78	mg/Kg	0.01
Total Silver		<0.200	mg/Kg	0.002

Quality Control Report

Report Date: August 26, 2002
2-517-00308M

Order Number: A02081627
Task 2 Pit Closure

Page Number: 13 of 20
Washington Ranch

Duplicate Samples

Duplicate QCBatch: QC23024

Param	Flag	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Ignitability		Non-Ignitable	non-ignitable		1	0	20

Duplicate QCBatch: QC23026

Param	Flag	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Corrosivity		Non Corrosive	Non Corrosive	mm/yr	1	0	20
pH		7.8	7.8	s.u.	1	0	0

Duplicate QCBatch: QC23027

Param	Flag	Duplicate Result	Sample Result	Units	Dilution	RPD	RPD Limit
Reactivity		Non-Reactive	Non-reactive		1	0	20
Hydrogen Sulfide		<10	<10	mg/Kg	1	0	20
Hydrogen Cyanide		<2.5	<2.5	mg/Kg	1	0	20

Quality Control Report Lab Control Spikes and Duplicate Spikes

Laboratory Control Spikes QCBatch: QC22823

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
PCB	0.0584	0.0561	mg/Kg	1	0.06	<0.004	91	4	55 - 161	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dilution	Spike Amount	LCS % Rec	LCSD % Rec	Recovery Limits
deca chlorobiphenyl	0.0190	0.0188	mg/Kg	1	0.01	118	117	0 - 183

Laboratory Control Spikes QCBatch: QC22874

Param	LCS Result	LCSD Result	Units	Dil	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
1,1-Dichloroethene	2360	2350	µg/Kg	1	2500	<25.0	94	0	70 - 130	20

Continued ...

Report Date: August 26, 2002
2-517-00308M

Order Number: A02081627
Task 2 Pit Closure

Page Number: 14 of 20
Washington Ranch

Continued

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
Benzene	2430	2450	µg/Kg	1	2500	<25.0	97	0	70 - 130	20
Trichloroethene (TCE)	2350	2370	µg/Kg	1	2500	<25.0	94	0	70 - 130	20
Toluene	2470	2470	µg/Kg	1	2500	<25.0	98	0	70 - 130	20
Chlorobenzene	2380	2400	µg/Kg	1	2500	<25.0	95	0	70 - 130	20

Percent recovery is based on the spike result RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dilution	Spike Amount	LCS % Rec	LCSD % Rec	Recovery Limits
Dibromofluoromethane	44.7	44.5	µg/Kg	1	50	89	89	70 - 130
Toluene-d8	49.0	48.2	µg/Kg	1	50	98	96	70 - 130
4-Bromofluorobenzene	47.4	46.9	µg/Kg	1	50	94	93	70 - 130

Laboratory Control Spikes

QCBatch: QC22933

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
GRO	11.6	11.7	mg/Kg	10	1	<1	116	0	80 - 120	20

Percent recovery is based on the spike result RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dilution	Spike Amount	LCS % Rec	LCSD % Rec	Recovery Limits
TFT	1.15	1.18	mg/Kg	10	0.10	115	118	70 - 130
4-BFB	1.05	1.07	mg/Kg	10	0.10	105	107	70 - 130

Laboratory Control Spikes

QCBatch: QC22953

Param	LCS Result	LCSD Result	Units	Dil	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
Phenol	50.63	49.67	mg/Kg	1	80	<0.25	63	1	29 - 170	20
2-Chlorophenol	50.42	49.96	mg/Kg	1	80	<0.25	63	0	30 - 68	20
1,4-Dichlorobenzene	53.47	52.82	mg/Kg	1	80	<0.25	66	1	32 - 62	20
n-Nitrosodi-n-propylamine	57.66	55.53	mg/Kg	1	80	<0.25	72	3	28 - 77	20
1,2,4-Trichlorobenzene	53.00	52.92	mg/Kg	1	80	<0.25	66	0	32 - 65	20
4-Chloro-3-methylphenol	54.43	52.38	mg/Kg	1	80	<0.25	68	2	27 - 81	20
Acenaphthene	54.99	53.18	mg/Kg	1	80	<0.25	68	3	40 - 73	20
4-Nitrophenol	47.15	45.31	mg/Kg	1	80	<0.25	58	3	0 - 127	20
2,4-Dinitrotoluene	58.86	57.72	mg/Kg	1	80	<0.25	73	1	27 - 96	20
Pentachlorophenol	43.93	42.32	mg/Kg	1	80	<0.25	54	3	0 - 100	20
Pyrene	55.62	57.17	mg/Kg	1	80	<0.25	69	2	16 - 101	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dilution	Spike Amount	LCS % Rec	LCSD % Rec	Recovery Limits
2-Fluorophenol	51.39	51.38	mg/Kg	1	80	64	64	25 - 121
Phenol-d5	56.31	55.53	mg/Kg	1	80	70	69	24 - 113

Continued ...

Report Date: August 26, 2002
2-517-00308M

Order Number: A02081627
Task 2 Pit Closure

Page Number: 15 of 20
Washington Ranch

Surrogate	LCS Result	LCSD Result	Units	Dilution	Spike Amount	LCS % Rec	LCSD % Rec	Recovery Limits
Nitrobenzene-d5	57.76	56.81	mg/Kg	1	80	72	71	23 - 120
2-Fluorobiphenyl	56.54	55.32	mg/Kg	1	80	70	69	30 - 115
2,4,6-Tribromophenol	54.85	53.31	mg/Kg	1	80	68	66	19 - 122
Terphenyl-d14	59.4	60.45	mg/Kg	1	80	74	75	28 - 137

Laboratory Control Spikes

QCBatch: QC22955

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
DRO	225	207	mg/Kg	1	250	<50.0	90	8	70 - 130	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	LCS Result	LCSD Result	Units	Dilution	Spike Amount	LCS % Rec	LCSD % Rec	Recovery Limits
n-Triacontane	146	138	mg/Kg	1	150	97	92	70 - 130

Laboratory Control Spikes

QCBatch: QC22991

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
Total Mercury	2.38	2.45	mg/Kg	1	2.50	<0.19	95	2	88 - 123	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Laboratory Control Spikes

QCBatch: QC23022

Param	LCS Result	LCSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
Total Arsenic	43.9	46.7	mg/Kg	100	50	<5.00	87	6	75 - 125	20
Total Barium	91.7	95.7	mg/Kg	100	100	<10.0	91	4	75 - 125	20
Total Cadmium	22.0	23.1	mg/Kg	100	25	<0.500	88	4	75 - 125	20
Total Chromium	8.76	9.19	mg/Kg	100	10	<1.00	87	4	75 - 125	20
Total Lead	43.3	45.2	mg/Kg	100	50	<1.00	86	4	75 - 125	20
Total Selenium	37.1	37.6	mg/Kg	100	50	1.78	74	1	75 - 125	20
Total Silver	10.9	11.5	mg/Kg	100	12.50	<0.200	87	5	75 - 125	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Quality Control Report Matrix Spikes and Duplicate Spikes

Matrix Spikes

QCBatch: QC22823

Report Date: August 26, 2002
2-517-00308M

Order Number: A02081627
Task 2 Pit Closure

Page Number: 16 of 20
Washington Ranch

Param	MS Result	MSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
PCB	0.0514	0.0534	mg/Kg	1	0.06	<0.004	80	3	0 - 203	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dilution	Spike Amount	MS % Rec	MSD % Rec	Recovery Limits
deca chlorobiphenyl	0.0170	0.0170	mg/Kg	1	0.01	106	106	0 - 183

Matrix Spikes QCBatch: QC22874

Param	MS Result	MSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
1,1-Dichloroethene	2340	2530	µg/Kg	1	2500	<25.0	93	7	80 - 120	20
Benzene	2420	2560	µg/Kg	1	2500	<25.0	96	5	80 - 120	20
Trichloroethene (TCE)	2330	2480	µg/Kg	1	2500	<25.0	93	6	80 - 120	20
Toluene	2480	2610	µg/Kg	1	2500	<25.0	99	5	81 - 113	20
Chlorobenzene	2370	2510	µg/Kg	1	2500	<25.0	94	5	91 - 112	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dilution	Spike Amount	MS % Rec	MSD % Rec	Recovery Limits
Dibromofluoromethane	44.0	43.9	µg/Kg	1	50	88	88	70 - 130
Toluene-d8	47.2	47.5	µg/Kg	1	50	94	95	70 - 130
4-Bromofluorobenzene	47.6	47.7	µg/Kg	1	50	95	95	70 - 130

Matrix Spikes QCBatch: QC22933

Param	MS Result	MSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
GRO	9.99	11.3	mg/Kg	10	1	<1	100	12	80 - 120	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Surrogate	MS Result	MSD Result	Units	Dilution	Spike Amount	MS % Rec	MSD % Rec	Recovery Limits
TFT	1.07	1.16	mg/Kg	10	0.10	107	116	70 - 130
4-BFB	0.862	0.918	mg/Kg	10	0.10	86	92	70 - 130

Matrix Spikes QCBatch: QC22955

Report Date: August 26, 2002
2-517-00308M

Order Number: A02081627
Task 2 Pit Closure

Page Number: 17 of 20
Washington Ranch

Param	MS Result	MSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
DRO	265	266	mg/Kg	1	250	53.6	106	0	70 - 130	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result

Surrogate	MS Result	MSD Result	Units	Dilution	Spike Amount	MS % Rec	MSD % Rec	Recovery Limits
n-Triacontane	154	156	mg/Kg	1	150	103	104	70 - 130

Matrix Spikes QCBatch: QC22991

Param	MS Result	MSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
Total Mercury	2.87	2.92	mg/Kg	1	2.50	0.41	98	2	45 - 157	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result

Matrix Spikes QCBatch: QC23022

Param	MS Result	MSD Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec	RPD	% Rec Limit	RPD Limit
Total Arsenic	50.6	50.4	mg/Kg	100	50	<5.00	101	0	75 - 125	20
Total Barium	248	249	mg/Kg	100	100	149	98	1	75 - 125	20
Total Cadmium	24.7	25.1	mg/Kg	100	25	3.28	85	1	75 - 125	20
Total Chromium	16.0	16.1	mg/Kg	100	10	5.73	102	0	75 - 125	20
Total Lead	72.3	75.4	mg/Kg	100	50	23.8	96	6	75 - 125	20
Total Selenium	37.1	38.6	mg/Kg	100	50	<1.00	74	3	75 - 125	20
Total Silver	11.6	11.6	mg/Kg	100	12.50	<0.200	92	0	75 - 125	20

Percent recovery is based on the spike result. RPD is based on the spike and spike duplicate result.

Quality Control Report Continuing Calibration Verification Standards

CCV (1) QCBatch: QC22823

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
PCB		mg/L	0.40	0.40	100	85 - 115	8/18/02

CCV (2) QCBatch: QC22823

Report Date: August 26, 2002
2-517-00308M

Order Number: A02081627
Task 2 Pit Closure

Page Number: 18 of 20
Washington Ranch

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
PCB		mg/L	0.40	0.39	97	85 - 115	8/18/02

ICV (1) QCBatch: QC22823

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
PCB		mg/L	0.40	0.36	90	85 - 115	8/18/02

CCV (1) QCBatch: QC22874

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Vinyl Chloride		µg/Kg	50	48.0	96	80 - 120	8/19/02
1,1-Dichloroethene		µg/Kg	50	51.0	102	80 - 120	8/19/02
Chloroform		µg/Kg	50	49.0	98	80 - 120	8/19/02
1,2-Dichloropropane		µg/Kg	50	50.0	100	80 - 120	8/19/02
Toluene		µg/Kg	50	52.0	104	80 - 120	8/19/02
Chlorobenzene		µg/Kg	50	50.0	100	80 - 120	8/19/02
Ethylbenzene		µg/Kg	50	51.0	102	80 - 120	8/19/02
Dibromofluoromethane		µg/Kg	50	46.6	93	80 - 120	8/19/02
Toluene-d8		µg/Kg	50	47.4	95	80 - 120	8/19/02
4-Bromofluorobenzene		µg/Kg	50	49.8	100	80 - 120	8/19/02

CCV (1) QCBatch: QC22933

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/Kg	1	1.03	103	85 - 115	8/20/02

ICV (1) QCBatch: QC22933

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
GRO		mg/Kg	1	1.13	113	85 - 115	8/20/02

CCV (1) QCBatch: QC22953

Report Date: August 26, 2002
2-517-00308M

Order Number: A02081627
Task 2 Pit Closure

Page Number: 19 of 20
Washington Ranch

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Phenol		mg/Kg	60	61.2	102	80 - 120	8/21/02
1,4-Dichlorobenzene		mg/Kg	60	60.79	101	80 - 120	8/21/02
2-Nitrophenol		mg/Kg	60	65.28	108	80 - 120	8/21/02
2,4-Dichlorophenol		mg/Kg	60	61.96	103	80 - 120	8/21/02
Hexachlorobutadiene		mg/Kg	60	62.27	103	80 - 120	8/21/02
4-Chloro-3-methylphenol		mg/Kg	60	61.95	103	80 - 120	8/21/02
2,4,6-Trichlorophenol		mg/Kg	60	67.41	112	80 - 120	8/21/02
Acenaphthene		mg/Kg	60	60.66	101	80 - 120	8/21/02
Diphenylamine		mg/Kg	60	59.56	99	80 - 120	8/21/02
Pentachlorophenol		mg/Kg	60	70.79	117	80 - 120	8/21/02
Fluoranthene		mg/Kg	60	66.48	110	80 - 120	8/21/02
Di-n-octylphthalate		mg/Kg	60	54.37	90	80 - 120	8/21/02
Benzo(a)pyrene		mg/Kg	60	58.65	97	80 - 120	8/21/02
2-Fluorophenol		mg/Kg	60	63.27	105	80 - 120	8/21/02
Phenol-d5		mg/Kg	60	62.97	104	80 - 120	8/21/02
Nitrobenzene-d5		mg/Kg	60	65.48	109	80 - 120	8/21/02
2-Fluorobiphenyl		mg/Kg	60	62.27	103	80 - 120	8/21/02
2,4,6-Tribromophenol		mg/Kg	60	58.99	98	80 - 120	8/21/02
Terphenyl-d14		mg/Kg	60	62.13	103	80 - 120	8/21/02

CCV (1) QCBatch: QC22955

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	242	96	75 - 125	8/21/02

CCV (2) QCBatch: QC22955

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	254	101	75 - 125	8/21/02

ICV (1) QCBatch: QC22955

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
DRO		mg/Kg	250	245	98	75 - 125	8/21/02

CCV (1) QCBatch: QC22991

Report Date: August 26, 2002
2-517-00308M

Order Number: A02081627
Task 2 Fit Closure

Page Number: 20 of 20
Washington Ranch

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/Kg	0.005	0.00445	89	80 - 120	8/22/02

ICV (1) QCBatch: QC22991

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Mercury		mg/Kg	0.005	0.00495	99	80 - 120	8/22/02

CCV (1) QCBatch: QC23022

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Arsenic		mg/Kg	1	1.00	100	90 - 110	8/23/02
Total Barium		mg/Kg	2	1.97	98	90 - 110	8/23/02
Total Cadmium		mg/Kg	0.50	0.496	99	90 - 110	8/23/02
Total Chromium		mg/Kg	0.20	0.198	99	90 - 110	8/23/02
Total Lead		mg/Kg	1	0.993	99	90 - 110	8/23/02
Total Selenium		mg/Kg	1	0.988	98	90 - 110	8/23/02
Total Silver		mg/Kg	0.25	0.243	97	90 - 110	8/23/02

ICV (1) QCBatch: QC23022

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Total Arsenic		mg/Kg	1	0.985	98	95 - 105	8/23/02
Total Barium		mg/Kg	2	1.95	98	95 - 105	8/23/02
Total Cadmium		mg/Kg	0.50	0.491	98	95 - 105	8/23/02
Total Chromium		mg/Kg	0.20	0.196	98	95 - 105	8/23/02
Total Lead		mg/Kg	1	0.981	98	95 - 105	8/23/02
Total Selenium		mg/Kg	1	0.986	98	95 - 105	8/23/02
Total Silver		mg/Kg	0.25	0.243	97	95 - 105	8/23/02

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-138
Revised March 17, 1999

Submit Original
Plus 1 Copy
to Appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☒ ☐ Verbal Approval Received: Yes ☐ No ☒	4. Generator Transwestern Pipeline
2. Management Facility Destination Controlled Recovery Inc.	5. Originating Site Station #5
3. Address of Facility Operator P.O. Box 388, Hobbs	6. Transporter Maclaskey
7. Location of Material (Street Address or ULSTR) P.O. Box 1019, Thoreau	8. State New Mexico
9. Circle One: A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job. B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved. All transporters must certify the wastes delivered are only those consigned for transport.	

BRIEF DESCRIPTION OF MATERIAL:

08-23-02 A

RCI Needed Next time
mjk 9/3/02

Oily Waste Water generated from auxiliary and engine room.

Enclosed is certificate of waste status, analytical data, and chain of custody to Approve this waste stream until September 10, 2003.

Estimated Volume appx. 30,000 yards annually cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE

Carmella Van Maanen
Waste Management Facility Authorized Agent

TITLE: Bookkeeper

DATE: 08-23-02

TYPE OR PRINT NAME: Carmella Van Maanen

TELEPHONE NO: (505) 393-1079

(This space for State Use)

APPROVED BY:

W. Johnson

TITLE:

Enviro Eng

DATE:

8/23/02

APPROVED BY:

Monty J. Kelly

TITLE:

Environmental Geologist

DATE:

9/03/02

3-203060

**CERTIFICATE OF WASTE STATUS
NON-EXEMPT WASTE MATERIAL
"AS REQUIRED BY NEW MEXICO OIL CONSERVATION DIVISION"**

COMPANY / GENERATOR Transwestern Pipeline / STA. 5

ADDRESS P.O. Box 1019 Thoreau N.M. 87323

GENERATING SITE STA. 5 / Thoreau N.M.

COUNTY _____ STATE NM

TYPE OF WASTE Oil waste water

ESTIMATED VOLUME 30,000 gal. Annually

GENERATING PROCESS Oil + Water + Glycols + SOAPS
From Aux ROOM + Eng. Room

REMARKS _____

NMOCD FACILITY Controlled Recovery, Inc.

TRUCKING COMPANY MacLasky

As a condition of acceptance for disposal, I hereby certify that this waste is a non-exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. To my knowledge, this waste will be analyzed pursuant to the provisions of 40 CFR Part 261 to verify the nature as non-hazardous. I further certify that to my knowledge "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has not been added or mixed with the waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR Sections 2613.

AGENT [Signature]
SIGNATURE

NAME Charlie Allen
PRINTED

ADDRESS P.O. Box 1019

Thoreau N.M. 87323

DATE 8/16/02

AUG-06-2002 11:42

North Creek AnalyticalPDX

5039069210

P.02



Seattle 1720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8244
425.420.9200 fax 425.420.8210
Spokane 8151 11113 Montgomery, Suite B, Spokane, WA 99206-4776
509.324.9200 fax 509.324.8230
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
503.906.9200 fax 503.906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
531.382.9310 fax 541.382.7388

Enron Transwestern Pipeline-Thoreau

Project: TWPG5, Gallup/Thoreau NM

P.O. Box 1019

Project Number: not required

Reported:

Thoreau, NM 87323

Project Manager: Charlie Allen

08/05/02 18:28

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
210 Barrel Tank Sta. 5	P2G0479-01	Other wet	07/11/02 08:00	07/12/02 09:30

North Creek Analytical - Portland

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

08/05/02

Doug McKenzie, Project Manager

North Creek Analytical, Inc.
Environmental Laboratory Network

Page 1 of 8

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North Creek Analytical PDX

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 509.924.9200 fax 509.924.9200
 Portland 9105 SW Nimbus Avenue, Beaverton, OR 97008-7122
 503.906.8200 fax 503.906.8210
 Bend 24032 Empire Avenue, Suite F-1, Bend, OR 97701-5711
 541.383.0910 fax 541.382.7568

Enron Transwestern Pipeline-Thoreau
 P.O. Box 1019
 Thoreau, NM 87323

Project: TWPG5, Gallup/Thoreau NM
 Project Number: not required
 Project Manager: Charlie Allen

Reported:
 08/05/02 18:28

TCLP Metals per EPA 1311/6000/7000 Series Methods
North Creek Analytical - Portland

Analyte	Result	Reporting Limit	Units	Dilution	Method	Prepared	Analyzed	Batch	Notes
210 Barrel Tank Sta. 5 (P2C8479-01) Other wet						Sampled: 07/11/02 Received: 07/12/02			
→ Arsenic	1.12	0.500	mg/l	0.5	1311/6020	07/25/02	07/26/02	2071027	
Barium	ND	0.500	"	"	"	"	"	"	
Cadmium	ND	0.500	"	"	"	"	"	"	
→ Chromium	0.645	0.500	"	"	"	"	"	"	
Lead	ND	0.500	"	"	"	"	"	"	
Mercury	ND	0.00800	"	1	1311/7470A	07/24/02	07/24/02	2070968	R-02
Selenium	ND	0.500	"	0.5	1311/6020	07/25/02	07/26/02	2071027	
Silver	ND	0.500	"	"	"	"	"	"	

North Creek Analytical - Portland

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

214-1115-10 08/05/02

Doug McKenzie, Project Manager

North Creek Analytical, Inc.
 Environmental Laboratory Network

Page 2 of 8

AUG-06-2002 11:43

North Creek Analytical/PDX

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609.824.9200 fax 509.824.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7122
503.906.8200 fax 503.906.8210
Bend 20382 Empire Avenue, Suite F-1, Bend, OR 97701-5711
541.323.9310 fax 541.382.7588

Enron Transwestern Pipeline-Thoreau

Project: TWPG5, Gallup/Thoreau NM

P.O. Box 1019

Project Number: not required

Reported:

Thoreau, NM 87323

Project Manager: Charlie Allen

08/05/02 18:28

TCLP Volatile Organic Compounds per EPA Method 1311/8260B
North Creek Analytical - Portland

Analyte	Result	Reporting Limit	Units	Dilution	Method	Prepared	Analyzed	Batch	Notes
210 Barrel Tank Sta. 5 (P2G0479-01RE1) Other wet					Sampled: 07/11/02	Received: 07/12/02			
Acetone	ND	0.500	mg/L	1	1311/8260B	07/24/02	07/24/02	2071000	
Benzene	ND	0.0200	"	"	"	"	"	"	
Bromobenzene	ND	0.0200	"	"	"	"	"	"	
Bromochloromethane	ND	0.0200	"	"	"	"	"	"	
Bromodichloromethane	ND	0.0200	"	"	"	"	"	"	
Bromoform	ND	0.0200	"	"	"	"	"	"	
Bromomethane	ND	0.100	"	"	"	"	"	"	
Methyl ethyl ketone	ND	0.500	"	"	"	"	"	"	
n-Butylbenzene	ND	0.0200	"	"	"	"	"	"	
sec-Butylbenzene	ND	0.0200	"	"	"	"	"	"	
tert-Butylbenzene	ND	0.0200	"	"	"	"	"	"	
Carbon Tetrachloride	ND	0.0200	"	"	"	"	"	"	
Chlorobenzene	ND	0.0200	"	"	"	"	"	"	
Chloroethane	ND	0.0500	"	"	"	"	"	"	
Chloroform	ND	0.0200	"	"	"	"	"	"	
Chloromethane	ND	0.100	"	"	"	"	"	"	
2-Chlorotoluene	ND	0.0200	"	"	"	"	"	"	
4-Chlorotoluene	ND	0.0200	"	"	"	"	"	"	
1,2-Dibromo-3-chloropropane	ND	0.0500	"	"	"	"	"	"	
Dibromochloromethane	ND	0.0200	"	"	"	"	"	"	
1,2-Dibromoethane	ND	0.0200	"	"	"	"	"	"	
Dibromomethane	ND	0.0200	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.0200	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.0200	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.0200	"	"	"	"	"	"	
Dichlorodifluoromethane	ND	0.100	"	"	"	"	"	"	
1,1-Dichloroethane	ND	0.0200	"	"	"	"	"	"	
1,2-Dichloroethane	ND	0.0200	"	"	"	"	"	"	
1,1-Dichloroethene	ND	0.0200	"	"	"	"	"	"	
cis-1,2-Dichloroethene	ND	0.0200	"	"	"	"	"	"	
trans-1,2-Dichloroethene	ND	0.0200	"	"	"	"	"	"	
1,2-Dichloropropane	ND	0.0200	"	"	"	"	"	"	
1,3-Dichloropropane	ND	0.0200	"	"	"	"	"	"	
2,2-Dichloropropane	ND	0.0200	"	"	"	"	"	"	
1,1-Dichloropropene	ND	0.0200	"	"	"	"	"	"	
cis-1,3-Dichloropropene	ND	0.0200	"	"	"	"	"	"	
trans-1,3-Dichloropropene	ND	0.0200	"	"	"	"	"	"	
Ethylbenzene	ND	0.0200	"	"	"	"	"	"	
Hexachlorobutadiene	ND	0.0500	"	"	"	"	"	"	

North Creek Analytical - Portland

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

214-1115-100

08/05/02

Doug McKenzie, Project Manager

North Creek Analytical, Inc.
Environmental Laboratory Network

Page 3 of 8

AUG-06-2002 11:43

North Creek Analytical PDX

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Portland 8405 SW Nimbus Avenue, Beaverton, OR 97006-7132
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Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
541.382.9210 fax 541.382.7568

Enron Transwestern Pipeline-Thoreau
P.O. Box 1019
Thoreau, NM 87323

Project: TWFGS, Gallup/Thoreau NM
Project Number: not required
Project Manager: Charlie Allen

Reported:
08/05/02 18:28

TCLP Volatile Organic Compounds per EPA Method 1311/8260B
North Creek Analytical - Portland

Analyte	Result	Reporting Limit	Units	Dilution	Method	Prepared	Analyzed	Batch	Notes
210 Barrel Tank Sta. 5 (P2G0479-01RE1) Other wet						Sampled: 07/11/02 Received: 07/12/02			
2-Hexanone	ND	0.100	mg/l	1	1311/8260B	07/24/02	07/24/02	2071000	
Isopropylbenzene	ND	0.0200	"	"	"	"	"	"	
p-Isopropyltoluene	ND	0.0200	"	"	"	"	"	"	
4-Methyl-2-pentanone	ND	0.200	"	"	"	"	"	"	
Methylene chloride	ND	0.500	"	"	"	"	"	"	
Naphthalene	ND	0.0200	"	"	"	"	"	"	
n-Propylbenzene	ND	0.0200	"	"	"	"	"	"	
Styrene	ND	0.0200	"	"	"	"	"	"	
1,1,1,2-Tetrachloroethane	ND	0.0200	"	"	"	"	"	"	
1,1,2,2-Tetrachloroethane	ND	0.0200	"	"	"	"	"	"	
Tetrachloroethene	ND	0.0200	"	"	"	"	"	"	
Toluene	ND	0.0200	"	"	"	"	"	"	
1,2,3-Trichlorobenzene	ND	0.0200	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.0200	"	"	"	"	"	"	
1,1,1-Trichloroethane	ND	0.0200	"	"	"	"	"	"	
1,1,2-Trichloroethane	ND	0.0200	"	"	"	"	"	"	
Trichloroethene	ND	0.0200	"	"	"	"	"	"	
Trichlorofluoromethane	ND	0.0500	"	"	"	"	"	"	
1,2,3-Trichloropropane	ND	0.0200	"	"	"	"	"	"	
1,2,4-Trimethylbenzene	ND	0.0200	"	"	"	"	"	"	
1,3,5-Trimethylbenzene	ND	0.0200	"	"	"	"	"	"	
Vinyl chloride	ND	0.0200	"	"	"	"	"	"	
o-Xylene	ND	0.0200	"	"	"	"	"	"	
m,p-Xylene	ND	0.0200	"	"	"	"	"	"	
Surr: 4-BFB	98.0 %	75-130							
Surr: Dibromofluoromethane	100 %	75-130							
Surr: Toluene-d8	101 %	75-130							

North Creek Analytical - Portland

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

214-11165-100

08/05/02

Doug McKenzie, Project Manager

North Creek Analytical, Inc.
Environmental Laboratory Network

Page 4 of 8

AUG-06-2002 11:43

North Creek AnalyticalPDX

5039069210

P.06



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Spokane East 11115 Montgomery, Suite B, Spokane, WA 99208-4778
509.924.9200 fax 509.924.9280
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7182
503.506.9200 fax 503.506.9210
Bend 2032 Empire Avenue, Suite F-1, Bend, OR 97701-5711
541.893.9310 fax 541.382.7388

Enron Transwestern Pipeline-Thoreau

Project: TWPG5, Gallup/Thoreau NM

P.O. Box 1019

Project Number: not required

Reported:

Thoreau, NM 87323

Project Manager: Charlie Allen

08/05/02 18:28

TCLP Semivolatiles per EPA Method 1311/8270

North Creek Analytical - Portland

Analyte	Result	Reporting Limit	Units	Dilution	Method	Prepared	Analyzed	Batch	Notes
210 Barrel Tank Sta. 5 (P2G0479-01) Other wet						Sampled: 07/11/02 Received: 07/12/02		R-05.X	
Acenaphthene	ND	0.312	mg/l	5	1311/8270	07/24/02	07/25/02	2070978	
Acenaphthylene	ND	0.312	"	"	"	"	"	"	
Anthracene	ND	0.312	"	"	"	"	"	"	
Benzo (a) anthracene	ND	0.312	"	"	"	"	"	"	
Benzo (b) fluoranthene	ND	0.312	"	"	"	"	"	"	
Benzo (k) fluoranthene	ND	0.312	"	"	"	"	"	"	
Benzo (ghi) perylene	ND	0.312	"	"	"	"	"	"	
Benzo (a) pyrene	ND	0.312	"	"	"	"	"	"	
Benzoic acid	2.36	1.25	"	"	"	"	"	"	
Benzyl alcohol	ND	1.25	"	"	"	"	"	"	
Bis(2-chloroethoxy)methane	ND	0.312	"	"	"	"	"	"	
Bis(2-chloroethyl)ether	ND	0.312	"	"	"	"	"	"	
Bis(2-chloroisopropyl)ether	ND	0.312	"	"	"	"	"	"	
Bis(2-ethylhexyl)phthalate	ND	0.312	"	"	"	"	"	"	
4-Bromophenyl phenyl ether	ND	0.312	"	"	"	"	"	"	
4-Chloro-3-methylphenol	ND	0.312	"	"	"	"	"	"	
2-Chloronaphthalene	ND	0.312	"	"	"	"	"	"	
4-Chlorophenyl phenyl ether	ND	0.312	"	"	"	"	"	"	
2-Chlorophenol	ND	0.312	"	"	"	"	"	"	
Chrysene	ND	0.312	"	"	"	"	"	"	
Dibenzo (a,h) anthracene	ND	0.312	"	"	"	"	"	"	
Dibenzofuran	ND	0.312	"	"	"	"	"	"	
Di-n-butyl phthalate	ND	0.312	"	"	"	"	"	"	
1,2-Dichlorobenzene	ND	0.312	"	"	"	"	"	"	
1,3-Dichlorobenzene	ND	0.312	"	"	"	"	"	"	
1,4-Dichlorobenzene	ND	0.312	"	"	"	"	"	"	
3,3'-Dichlorobenzidine	ND	1.25	"	"	"	"	"	"	
2,4-Dichlorophenol	ND	0.312	"	"	"	"	"	"	
Diethyl phthalate	ND	0.312	"	"	"	"	"	"	
2,4-Dimethylphenol	ND	0.625	"	"	"	"	"	"	
Dimethyl phthalate	ND	0.312	"	"	"	"	"	"	
4,6-Dinitro-2-methylphenol	ND	1.25	"	"	"	"	"	"	
2,4-Dinitrophenol	ND	1.25	"	"	"	"	"	"	
2,6-Dinitrotoluene	ND	0.312	"	"	"	"	"	"	
2,4-Dinitrotoluene	ND	0.312	"	"	"	"	"	"	
Di-n-octyl phthalate	ND	0.312	"	"	"	"	"	"	
Fluoranthene	ND	0.312	"	"	"	"	"	"	
Fluorene	ND	0.312	"	"	"	"	"	"	
Hexachlorobenzene	ND	0.312	"	"	"	"	"	"	

North Creek Analytical - Portland

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

207-4-1115-10

08/05/02

Doug McKenzie, Project Manager

North Creek Analytical, Inc.
Environmental Laboratory Network

Page 5 of 8

AUG-06-2002 11:43

North Creek Analytical PDX

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P.07



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Portland 5405 SW Nimbus Avenue, Beaverton, OR 97008-7132
503.906.9200 fax 503.906.9210
Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
541.383.9310 fax 541.382.7583

Enron Transwestern Pipeline-Thoreau
P.O. Box 1019
Thoreau, NM 87323

Project: TWPG5, Gallup/Thoreau NM
Project Number: not required
Project Manager: Charlie Allen

Reported:
08/05/02 18:28

TCLP Semivolatiles per EPA Method 1311/8270

North Creek Analytical - Portland

Analyte	Result	Reporting Limit	Units	Dilution	Method	Prepared	Analyzed	Batch	Notes
210 Barrel Tank Sta. 5 (P2G8479-01) Other wet						Sampled: 07/11/02	Received: 07/12/02	R-05.X	
Hexachlorobutadiene	ND	0.312	mg/l	5	1311/8270	07/24/02	07/25/02	2070978	
Hexachlorocyclopentadiene	ND	1.25	"	"	"	"	"	"	
Hexachloroethane	ND	0.312	"	"	"	"	"	"	
Indeno (1,2,3-cd) pyrene	ND	0.312	"	"	"	"	"	"	
Isophorone	ND	0.312	"	"	"	"	"	"	
2-Methylnaphthalene	ND	0.312	"	"	"	"	"	"	
Naphthalene	ND	0.312	"	"	"	"	"	"	
2-Nitroaniline	ND	1.25	"	"	"	"	"	"	
3-Nitroaniline	ND	1.25	"	"	"	"	"	"	
4-Nitroaniline	ND	1.25	"	"	"	"	"	"	
Nitrobenzene	ND	0.312	"	"	"	"	"	"	
2-Nitrophenol	ND	0.312	"	"	"	"	"	"	
4-Nitrophenol	ND	1.25	"	"	"	"	"	"	
N-Nitrosodiphenylamine	ND	0.312	"	"	"	"	"	"	
N-Nitrosodi-n-propylamine	ND	0.312	"	"	"	"	"	"	
Pentachlorophenol	ND	0.625	"	"	"	"	"	"	
Phenanthrene	ND	0.312	"	"	"	"	"	"	
Phenol	ND	0.312	"	"	"	"	"	"	
Pyrene	ND	0.312	"	"	"	"	"	"	
Pyridine	ND	1.25	"	"	"	"	"	"	
Total Cresols	ND	0.625	"	"	"	"	"	"	
1,2,4-Trichlorobenzene	ND	0.312	"	"	"	"	"	"	
2,4,5-Trichlorophenol	ND	0.312	"	"	"	"	"	"	
2,4,6-Trichlorophenol	ND	0.312	"	"	"	"	"	"	
Benzyl butyl phthalate	ND	0.312	"	"	"	"	"	"	
4-Chloroaniline	ND	0.625	"	"	"	"	"	"	
Surr: 2-Fluorobiphenyl	53.3 %	20-150							
Surr: 2-Fluorophenol	30.4 %	10-150							
Surr: Nitrobenzene-d5	79.5 %	20-150							
Surr: Phenol-d6	NR	10-150							S-02
Surr: p-Terphenyl-d14	67.7 %	20-150							
Surr: 2,4,6-Tribromophenol	80.1 %	10-150							

North Creek Analytical - Portland

The results in this report apply to the samples analyzed in accordance with the chain of custody documents. This analytical report must be reproduced in its entirety.

214-1115-73 08/05/02

Doug McKenzie, Project Manager

North Creek Analytical, Inc.
Environmental Laboratory Network

Page 6 of 8



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Northwest Analytical Inc.
Environmental Laboratory Network
www.mca.net

CHAIN OF CUSTODY REPORT

Work Order #: **P260479**

11720 North Creek Hwy N, Suite 400, Everett, WA 98201
Fax 1(115) 504-0000, Suite B, Spokane, WA 99216-4776
9405 S.W. Nimbus Avenue, Beaverton, OR 97008-7132
20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711

(509) 924-9230 FAX 924-9230
(509) 926-9200 FAX 906-9211
(541) 383-9310 FAX 382-7588

TURNAROUND REQUEST IN BUSINESS DAYS*

Organic & Inorganic Analysis

10	7	5	4	3	2	1	<1
STD							
	5	4	3	2	1	<1	
STD							

Petroleum Hydrocarbon Analysis

STD

Please Specify

OTHER

*Turnaround Request for less than standard analysis. Rush Charges.

MATRIX (W, S, O)	# OF CONT.	COMMENTS	NCA TWO ID
------------------	------------	----------	------------

W/O

Please send backer back Thanks

INVOICE TO:

Charles Allen
P.O. Box 1019
Thoreau N.H. 87323

P.O. NUMBER:

REQUESTED ANALYSES

PROJECT NUMBER:

SAMPLED BY: Charles Allen

CLIENT SAMPLE

SAMPLING DATE/TIME

IDENTIFICATION

210 Barrel Tank
5/11/02

TCLP
Organics
TCLP
Metals

✓

✓

7/1/02 08:00

✓

✓

✓

✓

✓

✓

✓

✓

1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15.

RELINQUISHED BY:

Charles Allen

FIRM: TWC

DATE: 7/1/02

TIME: 08:00

RECEIVED BY:

Charles Allen

FIRM: NCA

DATE: 7/1/02

TIME: 9:50

PRINT NAME:

FIRM:

DATE:

TIME:

RECEIVED BY:

PRINT NAME:

FIRM:

DATE:

TIME:

ADDITIONAL REMARKS:

DOC REV 099

TEMP: 17.2
PAGE 01

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-138
Revised March 17, 1999

Submit Original
Plus 1 Copy
to Appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

| | |
|---|------------------------------------|
| 1. RCRA Exempt: ☐ Non-Exempt: ☒
☐ Verbal Approval Received: Yes ☐ No ☒ | 4. Generator Transwestern Pipeline |
| 2. Management Facility Destination Controlled Recovery Inc. | 5. Originating Site Station #8 |
| 3. Address of Facility Operator P.O. Box 388, Hobbs | 6. Transporter CRI |
| 7. Location of Material (Street Address or ULSTR) 6381 N. Main, Roswell | 8. State New Mexico |
| 9. Circle One:
A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job.
B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved.
All transporters must certify the wastes delivered are only those consigned for transport. | |

BRIEF DESCRIPTION OF MATERIAL:

08-23-02B

Waste Water generated from cleaning/rain water accumulated from gathering system

Enclosed is certificate of waste status, analytical data, and chain of custody to
Approve this waste stream until September 10, 2003.

Estimated Volume appx. 30,000 yards annually cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

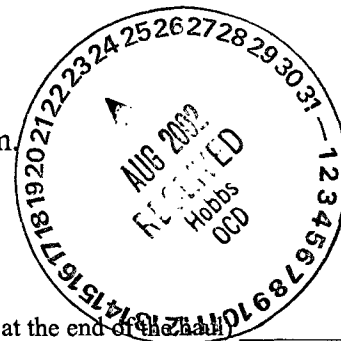
SIGNATURE Carmella Van Maanen TITLE: Bookkeeper DATE: 08-23-02
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Carmella Van Maanen TELEPHONE NO: (505) 393-1079

(This space for State Use)

APPROVED BY: [Signature] TITLE: ENGINEER DATE: 8/23/02

APPROVED BY: [Signature] TITLE: Environmentalist/Geologist DATE: 8/03/02



2-20302-2

**CERTIFICATE OF WASTE STATUS
NON-EXEMPT WASTE MATERIAL****"AS REQUIRED BY NEW MEXICO OIL CONSERVATION DIVISION"**COMPANY / GENERATOR TRANS WESTERN PIPELINEADDRESS 6381 N MAIN Roswell NM 88201GENERATING SITE CORONA Compressor STATION #8COUNTY LINCOLN STATE NMTYPE OF WASTE WASTE WATERESTIMATED VOLUME 30,000 gal. annuallyGENERATING PROCESS Cleaning water/rain water
accumulated from gathering system

REMARKS

NMOCD FACILITY Controlled Recovery, Inc.TRUCKING COMPANY Unknown

As a condition of acceptance for disposal, I hereby certify that this waste is a non-exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. To my knowledge, this waste will be analyzed pursuant to the provisions of 40 CFR Part 261 to verify the nature as non-hazardous. I further certify that to my knowledge "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has not been added or mixed with the waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, Sections 2613.

AGENT

Mick Becker

SIGNATURE

NAME

MICK BECKER

PRINTED

ADDRESS

P.O. Box 710Capitan, NM 88316

DATE

08-15-2002



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 503.906.9200 fax 503.906.9210
Bend 20332 Empire Avenue, Suite F-1 Bend, OR 97701-5711
 541.383.9310 fax 541.382.7588

Enron Transwestern Pipeline-Capitan
 PO Box 710
 Capitan, NM 88316

Project: Main
 Project Number: N/A
 Project Manager: Michael A. Becker

Reported:
 08/05/02 18:31

TCLP Metals per EPA 1311/6000/7000 Series Methods
North Creek Analytical - Portland

| Analyte | Result | Reporting Limit | Units | Dilution | Method | Prepared | Analyzed | Batch | Notes |
|---|--------|--------------------------------------|-------|----------|------------|----------|----------|---------|-------|
| TWCS8OW02 (P2G0500-01) Other wet | | Sampled: 07/10/02 Received: 07/10/02 | | | | | | | |
| Arsenic | ND | 0.500 | mg/l | 0.5 | 1311/6020 | 07/19/02 | 07/20/02 | 2070842 | |
| Barium | ND | 0.500 | " | " | " | " | " | " | |
| Cadmium | ND | 0.500 | " | " | " | " | " | " | |
| Chromium | ND | 0.500 | " | " | " | " | " | " | |
| Lead | ND | 0.500 | " | " | " | " | 07/22/02 | " | |
| Mercury | ND | 0.000800 | " | 1 | 1311/7470A | 07/19/02 | 07/19/02 | 2070799 | R-03 |
| Selenium | ND | 0.500 | " | 0.5 | 1311/6020 | 07/19/02 | 07/20/02 | 2070842 | |
| Silver | ND | 0.500 | " | " | " | " | " | " | |

| | | | | | | | | | |
|---|------|--------------------------------------|------|-----|------------|----------|----------|---------|------|
| TWCS8PL02 (P2G0500-02) Other wet | | Sampled: 07/10/02 Received: 07/10/02 | | | | | | | |
| → Arsenic | 5.94 | 0.500 | mg/l | 0.5 | 1311/6020 | 07/19/02 | 07/20/02 | 2070842 | |
| → Barium | 1.51 | 0.500 | " | " | " | " | " | " | |
| Cadmium | ND | 0.500 | " | " | " | " | " | " | |
| Chromium | ND | 0.500 | " | " | " | " | " | " | |
| Lead | ND | 0.500 | " | " | " | " | 07/22/02 | " | |
| Mercury | ND | 0.0160 | " | 1 | 1311/7470A | 07/19/02 | 07/19/02 | 2070799 | R-03 |
| Selenium | ND | 0.500 | " | 0.5 | 1311/6020 | 07/19/02 | 07/20/02 | 2070842 | |
| Silver | ND | 0.500 | " | " | " | " | " | " | |

North Creek Analytical - Portland

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Doug McKenzie, Project Manager

North Creek Analytical, Inc.
 Environmental Laboratory Network

Page 2 of 9



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Bend 20332 Empire Avenue, Suite F 1, Bend, OR 97701 5711
541.383.9310 fax 541.382.7588

Enron Transwestern Pipeline-Capitan
PO Box 710
Capitan, NM 88316

Project: Main
Project Number: N/A
Project Manager: Michael A. Becker

Reported:
08/05/02 18:31

TCLP Volatile Organic Compounds per EPA Method 1311/8260B
North Creek Analytical - Portland

| Analyte | Result | Reporting Limit | Units | Dilution | Method | Prepared | Analyzed | Batch | Notes |
|-------------------------------------|--------|-----------------|-------|----------|--------------------------------------|----------|----------|---------|-------|
| TWCS8OW02 (P2G0500-01RE1) Other wet | | | | | Sampled: 07/10/02 Received: 07/10/02 | | | | I-02 |
| Acetone | 0.538 | 0.500 | mg/l | 1 | 1311/8260B | 07/26/02 | 07/27/02 | 2071104 | |
| Benzene | 0.0717 | 0.0200 | " | " | " | " | " | " | |
| Bromobenzene | ND | 0.0200 | " | " | " | " | " | " | |
| Bromochloromethane | ND | 0.0200 | " | " | " | " | " | " | |
| Bromodichloromethane | ND | 0.0200 | " | " | " | " | " | " | |
| Bromoform | ND | 0.0200 | " | " | " | " | " | " | |
| Bromomethane | ND | 0.100 | " | " | " | " | " | " | |
| Methyl ethyl ketone | ND | 0.500 | " | " | " | " | " | " | |
| n-Butylbenzene | ND | 0.0200 | " | " | " | " | " | " | |
| sec-Butylbenzene | ND | 0.0200 | " | " | " | " | " | " | |
| tert-Butylbenzene | ND | 0.0200 | " | " | " | " | " | " | |
| Carbon Tetrachloride | ND | 0.0200 | " | " | " | " | " | " | |
| Chlorobenzene | ND | 0.0200 | " | " | " | " | " | " | |
| Chloroethane | ND | 0.0500 | " | " | " | " | " | " | |
| Chloroform | ND | 0.0200 | " | " | " | " | " | " | |
| Chloromethane | ND | 0.100 | " | " | " | " | " | " | |
| 2-Chlorotoluene | ND | 0.0200 | " | " | " | " | " | " | |
| 4-Chlorotoluene | ND | 0.0200 | " | " | " | " | " | " | |
| 1,2-Dibromo-3-chloropropane | ND | 0.0500 | " | " | " | " | " | " | |
| Dibromochloromethane | ND | 0.0200 | " | " | " | " | " | " | |
| 1,2-Dibromoethane | ND | 0.0200 | " | " | " | " | " | " | |
| Dibromomethane | ND | 0.0200 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 0.0200 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 0.0200 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 0.0200 | " | " | " | " | " | " | |
| Dichlorodifluoromethane | ND | 0.100 | " | " | " | " | " | " | |
| 1,1-Dichloroethane | ND | 0.0200 | " | " | " | " | " | " | |
| 1,2-Dichloroethane | ND | 0.0200 | " | " | " | " | " | " | |
| 1,1-Dichloroethene | ND | 0.0200 | " | " | " | " | " | " | |
| cis-1,2-Dichloroethene | ND | 0.0200 | " | " | " | " | " | " | |
| trans-1,2-Dichloroethene | ND | 0.0200 | " | " | " | " | " | " | |
| 1,2-Dichloropropane | ND | 0.0200 | " | " | " | " | " | " | |
| 1,3-Dichloropropane | ND | 0.0200 | " | " | " | " | " | " | |
| 2,2-Dichloropropane | ND | 0.0200 | " | " | " | " | " | " | |
| 1,1-Dichloropropene | ND | 0.0200 | " | " | " | " | " | " | |
| cis-1,3-Dichloropropene | ND | 0.0200 | " | " | " | " | " | " | |
| trans-1,3-Dichloropropene | ND | 0.0200 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 0.0200 | " | " | " | " | " | " | |
| Hexachlorobutadiene | ND | 0.0500 | " | " | " | " | " | " | |

North Creek Analytical - Portland

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 08/05/02
Doug McKenzie, Project Manager

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Environmental Laboratory Network

Page 4 of 9



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541.383.9310 fax 541.382.7588

Enron Transwestern Pipeline-Capitan
PO Box 710
Capitan, NM 88316

Project: Main
Project Number: N/A
Project Manager: Michael A. Becker

Reported:
08/05/02 18:31

TCLP Volatile Organic Compounds per EPA Method 1311/8260B
North Creek Analytical - Portland

| Analyte | Result | Reporting Limit | Units | Dilution | Method | Prepared | Analyzed | Batch | Notes |
|-------------------------------------|--------|-----------------|-------|----------|------------|--------------------------------------|----------|---------|-------|
| TWCS8OW02 (P2G0500-01RE1) Other wet | | | | | | Sampled: 07/10/02 Received: 07/10/02 | | | I-02 |
| 2-Hexanone | ND | 0.100 | mg/l | 1 | 1311/8260B | 07/26/02 | 07/27/02 | 2071104 | |
| Isopropylbenzene | ND | 0.0200 | " | " | " | " | " | " | |
| p-Isopropyltoluene | ND | 0.0200 | " | " | " | " | " | " | |
| 4-Methyl-2-pentanone | ND | 0.200 | " | " | " | " | " | " | |
| Methylene chloride | ND | 0.500 | " | " | " | " | " | " | |
| Naphthalene | ND | 0.0200 | " | " | " | " | " | " | |
| n-Propylbenzene | ND | 0.0200 | " | " | " | " | " | " | |
| Styrene | ND | 0.0200 | " | " | " | " | " | " | |
| 1,1,1,2-Tetrachloroethane | ND | 0.0200 | " | " | " | " | " | " | |
| 1,1,2,2-Tetrachloroethane | ND | 0.0200 | " | " | " | " | " | " | |
| Tetrachloroethene | ND | 0.0200 | " | " | " | " | " | " | |
| → Toluene | 0.146 | 0.0200 | " | " | " | " | " | " | |
| 1,2,3-Trichlorobenzene | ND | 0.0200 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | ND | 0.0200 | " | " | " | " | " | " | |
| 1,1,1-Trichloroethane | ND | 0.0200 | " | " | " | " | " | " | |
| 1,1,2-Trichloroethane | ND | 0.0200 | " | " | " | " | " | " | |
| Trichloroethene | ND | 0.0200 | " | " | " | " | " | " | |
| Trichlorofluoromethane | ND | 0.0500 | " | " | " | " | " | " | |
| 1,2,3-Trichloropropane | ND | 0.0200 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | ND | 0.0200 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | ND | 0.0200 | " | " | " | " | " | " | |
| Vinyl chloride | ND | 0.0200 | " | " | " | " | " | " | |
| o-Xylene | ND | 0.0200 | " | " | " | " | " | " | |
| m,p-Xylene | 0.0405 | 0.0200 | " | " | " | " | " | " | |
| Surr: 4-BFB | 99.5 % | 75-130 | | | | | | | |
| Surr: Dibromofluoromethane | 99.5 % | 75-130 | | | | | | | |
| Surr: Toluene-d8 | 99.0 % | 75-130 | | | | | | | |

North Creek Analytical - Portland

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m 08/05/02
Doug McKenzie, Project Manager

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Environmental Laboratory Network

Page 5 of 9



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541.383.9310 fax 541.382.7588

| | | |
|--|--|-----------------------------|
| Enron Transwestern Pipeline-Capitan
PO Box 710
Capitan, NM 88316 | Project: Main
Project Number: N/A
Project Manager: Michael A. Becker | Reported:
08/05/02 18:31 |
|--|--|-----------------------------|

TCLP Semivolatiles per EPA Method 1311/8270

North Creek Analytical - Portland

| Analyte | Result | Reporting Limit | Units | Dilution | Method | Prepared | Analyzed | Batch | Notes |
|----------------------------------|--------|-----------------|-------|----------|-----------|--------------------------------------|----------|---------|-------|
| TWCS8OW02 (P2G0500-01) Other wet | | | | | | Sampled: 07/10/02 Received: 07/10/02 | | | |
| Acenaphthene | ND | 0.0500 | mg/l | 1 | 1311/8270 | 07/26/02 | 07/31/02 | 2071070 | |
| Acenaphthylene | ND | 0.0500 | " | " | " | " | " | " | |
| Anthracene | ND | 0.0500 | " | " | " | " | " | " | |
| Benzo (a) anthracene | ND | 0.0500 | " | " | " | " | " | " | |
| Benzo (b) fluoranthene | ND | 0.0500 | " | " | " | " | " | " | |
| Benzo (k) fluoranthene | ND | 0.0500 | " | " | " | " | " | " | |
| Benzo (ghi) perylene | ND | 0.0500 | " | " | " | " | " | " | |
| Benzo (a) pyrene | ND | 0.0500 | " | " | " | " | " | " | |
| Benzoic acid | ND | 0.200 | " | " | " | " | " | " | |
| Benzyl alcohol | ND | 0.200 | " | " | " | " | " | " | |
| Bis(2-chloroethoxy)methane | ND | 0.0500 | " | " | " | " | " | " | |
| Bis(2-chloroethyl)ether | ND | 0.0500 | " | " | " | " | " | " | |
| Bis(2-chloroisopropyl)ether | ND | 0.0500 | " | " | " | " | " | " | |
| Bis(2-ethylhexyl)phthalate | ND | 0.0500 | " | " | " | " | " | " | |
| 4-Bromophenyl phenyl ether | ND | 0.0500 | " | " | " | " | " | " | |
| 4-Chloro-3-methylphenol | ND | 0.0500 | " | " | " | " | " | " | |
| 2-Chloronaphthalene | ND | 0.0500 | " | " | " | " | " | " | |
| 4-Chlorophenyl phenyl ether | ND | 0.0500 | " | " | " | " | " | " | |
| 2-Chlorophenol | ND | 0.0500 | " | " | " | " | " | " | |
| Chrysene | ND | 0.0500 | " | " | " | " | " | " | |
| Dibenzo (a,h) anthracene | ND | 0.0500 | " | " | " | " | " | " | |
| Dibenzofuran | ND | 0.0500 | " | " | " | " | " | " | |
| Di-n-butyl phthalate | ND | 0.0500 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 0.0500 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 0.0500 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 0.0500 | " | " | " | " | " | " | |
| 3,3'-Dichlorobenzidine | ND | 0.200 | " | " | " | " | " | " | |
| 2,4-Dichlorophenol | ND | 0.0500 | " | " | " | " | " | " | |
| Diethyl phthalate | ND | 0.0500 | " | " | " | " | " | " | |
| 2,4-Dimethylphenol | ND | 0.100 | " | " | " | " | " | " | |
| Dimethyl phthalate | ND | 0.0500 | " | " | " | " | " | " | |
| 4,6-Dinitro-2-methylphenol | ND | 0.200 | " | " | " | " | " | " | |
| 2,4-Dinitrophenol | ND | 0.200 | " | " | " | " | " | " | |
| 2,4-Dinitrotoluene | ND | 0.0500 | " | " | " | " | " | " | |
| 2,6-Dinitrotoluene | ND | 0.0500 | " | " | " | " | " | " | |
| Di-n-octyl phthalate | ND | 0.0500 | " | " | " | " | " | " | |
| Fluoranthene | ND | 0.0500 | " | " | " | " | " | " | |
| Fluorene | ND | 0.0500 | " | " | " | " | " | " | |
| Hexachlorobenzene | ND | 0.0500 | " | " | " | " | " | " | |

North Creek Analytical - Portland

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[Signature] 08/05/02

Doug McKenzie, Project Manager

North Creek Analytical, Inc.
Environmental Laboratory Network

Page 6 of 9



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541.383.9310 fax 541.382.7588

Enron Transwestern Pipeline-Capitan
PO Box 710
Capitan, NM 88316

Project: Main
Project Number: N/A
Project Manager: Michael A. Becker

Reported:
08/05/02 18:31

TCLP Semivolatiles per EPA Method 1311/8270
North Creek Analytical - Portland

| Analyte | Result | Reporting Limit | Units | Dilution | Method | Prepared | Analyzed | Batch | Notes |
|----------------------------------|--------|--------------------------------------|-------|----------|-----------|----------|----------|---------|-------|
| TWCS8OW02 (P2G0500-01) Other wet | | Sampled: 07/10/02 Received: 07/10/02 | | | | | | | |
| Hexachlorobutadiene | ND | 0.0500 | mg/l | 1 | 1311/8270 | 07/26/02 | 07/31/02 | 2071070 | |
| Hexachlorocyclopentadiene | ND | 0.200 | " | " | " | " | " | " | |
| Hexachloroethane | ND | 0.0500 | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | ND | 0.0500 | " | " | " | " | " | " | |
| Isophorone | ND | 0.0500 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | ND | 0.0500 | " | " | " | " | " | " | |
| Naphthalene | ND | 0.0500 | " | " | " | " | " | " | |
| 2-Nitroaniline | ND | 0.200 | " | " | " | " | " | " | |
| 3-Nitroaniline | ND | 0.200 | " | " | " | " | " | " | |
| 4-Nitroaniline | ND | 0.200 | " | " | " | " | " | " | |
| Nitrobenzene | ND | 0.0500 | " | " | " | " | " | " | |
| 2-Nitrophenol | ND | 0.0500 | " | " | " | " | " | " | |
| 4-Nitrophenol | ND | 0.200 | " | " | " | " | " | " | |
| N-Nitrosodiphenylamine | ND | 0.0500 | " | " | " | " | " | " | |
| N-Nitrosodi-n-propylamine | ND | 0.0500 | " | " | " | " | " | " | |
| Pentachlorophenol | ND | 0.100 | " | " | " | " | " | " | |
| Phenanthrene | ND | 0.0500 | " | " | " | " | " | " | |
| Phenol | 0.150 | 0.0500 | " | " | " | " | " | " | |
| Pyrene | ND | 0.0500 | " | " | " | " | " | " | |
| Pyridine | ND | 0.200 | " | " | " | " | " | " | |
| Total Cresols | ND | 0.100 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | ND | 0.0500 | " | " | " | " | " | " | |
| 2,4,5-Trichlorophenol | ND | 0.0500 | " | " | " | " | " | " | |
| 2,4,6-Trichlorophenol | ND | 0.0500 | " | " | " | " | " | " | |
| Butyl benzyl phthalate | ND | 0.0500 | " | " | " | " | " | " | |
| 4-Chloroaniline | ND | 0.100 | " | " | " | " | " | " | |
| Surr: 2-Fluorobiphenyl | 73.7 % | 20-150 | | | | | | | |
| Surr: Nitrobenzene-d5 | 73.3 % | 20-150 | | | | | | | |
| Surr: Phenol-d6 | 33.2 % | 10-150 | | | | | | | |
| Surr: 2-Fluorophenol | 44.5 % | 10-150 | | | | | | | |
| Surr: p-Terphenyl-d14 | 76.3 % | 20-150 | | | | | | | |
| Surr: 2,4,6-Tribromophenol | 74.3 % | 10-150 | | | | | | | |

North Creek Analytical - Portland

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

[Signature] 08/05/02
Doug McKenzie, Project Manager

North Creek Analytical, Inc.
Environmental Laboratory Network

Page 7 of 9



Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011 8244
 425.420.9200 fax 425.420.9219
Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
 509.924.9200 fax 509.924.9290
Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
 503.906.9290 fax 503.906.9210
Bend 20332 Empire Avenue, Suite F 1, Bend, OR 97701-5711
 541.383.9310 fax 541.382.7588

| | |
|--|--|
| Enron Transwestern Pipeline-Capitan
PO Box 710
Capitan, NM 88316 | Project: Main
Project Number: N/A
Project Manager: Michael A. Becker
<div style="text-align: right;"> Reported:
 08/05/02 18:31 </div> |
|--|--|

Physical Parameters per APHA/ASTM/EPA Methods
North Creek Analytical - Portland

| Analyte | Result | Reporting
Limit | Units | Dilution | Method | Prepared | Analyzed | Batch | Notes |
|---|--------|--------------------------------------|-------|----------|----------|----------|----------|---------|-------|
| TWCS8OW02 (P2G0500-01) Other wet | | Sampled: 07/10/02 Received: 07/10/02 | | | | | | | |
| Flashpoint | ND | 150 | °F | 1 | EPA 1010 | 07/29/02 | 07/29/02 | 2071193 | |
| TWCS8PL02 (P2G0500-02) Other wet | | Sampled: 07/10/02 Received: 07/10/02 | | | | | | | |
| Flashpoint | ND | 150 | °F | 1 | EPA 1010 | 07/29/02 | 07/29/02 | 2071193 | |

North Creek Analytical - Portland

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

[Signature] 08/05/02

Doug McKenzie, Project Manager

North Creek Analytical, Inc.
Environmental Laboratory Network

Page 8 of 9

District I
1625 N. Francis 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-138
Revised March 17, 1999

Submit Original
Plus 1 Copy
to Appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

| | |
|---|--|
| 1. RCRA Exempt: ☐ Non-Exempt: ☒
☐ Verbal Approval Received: Yes ☐ No ☒ | 4. Generator Duke Energy Field Services |
| 2. Management Facility Destination Controlled Recovery Inc. | 5. Originating Site Carlsbad Field-Booster Sites |
| 3. Address of Facility Operator P.O. Box 388, Hobbs | 6. Transporter B & H |
| 7. Location of Material (Street Address or ULSTR) Carlsbad Field-Booster Sites | 8. State New Mexico |
| 9. Circle One:
A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job.
B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved.
All transporters must certify the wastes delivered are only those consigned for transport. | |

BRIEF DESCRIPTION OF MATERIAL:

09-23-02B

Contaminated Soil generated from the cleaning up around engine and compressor sites

Enclosed is certificate of waste status, analytical data, and chain of custody.

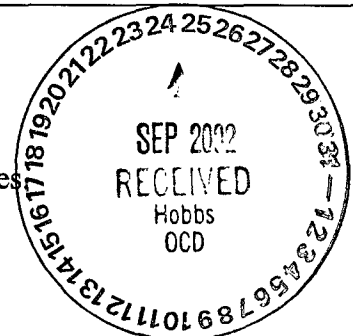
Estimated Volume appx. 21 yards cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE Carmella Van Maanen TITLE: Bookkeeper DATE: 09-23-02
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Carmella Van Maanen TELEPHONE NO: (505) 393-1079

(This space for State Use)

APPROVED BY: [Signature] TITLE: Environ Eng DATE: 9/25/02
APPROVED BY: [Signature] TITLE: Environmental Geologist DATE: 10/18/02



2-206001

**CERTIFICATE OF WASTE STATUS
EXEMPT WASTE MATERIAL**

"AS REQUIRED BY NEW MEXICO OIL CONSERVATION DIVISION"

COMPANY / GENERATOR Duke Energy Field Services, LP

ADDRESS 3300 North 'A' St., Bldg. 7

GENERATING SITE Carlsbad Field-Booster Sites

COUNTY Eddy STATE New Mexico

TYPE OF WASTE Oil Contaminated Soil

ESTIMATED VOLUME varies - 3 dumptruck loads ^{est. 21 yds}

GENERATING PROCESS Engine & Compressor site soils

Contaminated w/Engine oil - Exempt waste
- not soil from a spill but rather

REMARKS cleaned up off the ^{ground} surface around engine sites

NMOC D FACILITY Controlled Recovery Inc

TRUCKING COMPANY B + H

I hereby certify, represent and warrant that the wastes are generated from oil and gas exploration and production operations exempt from Resource Conservation and Recovery Act (RCRA) Subtitle C Regulations; and not mixed with non-exempt wastes.

AGENT R A Moore
SIGNATURE

NAME R A Moore
PRINTED

ADDRESS 3300 N. 'A' St. Bldg 7

Midland, TX 79705

DATE 8/23/02



ARDINAL LABORATORIES, INC.

| | |
|-----------------------------------|-----------------------------------|
| 2115 Beechwood, Abilene, TX 79603 | 101 East Marland, Hobbs, NM 88240 |
| (818) 673-7001 Fax (915) 673-7020 | (605) 393-2326 Fax (505) 383-2476 |

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page _____ of _____

[illegible]

† Cardinal cannot accept verbal changes. Please fax written changes to (916) 673-7020



CARDINAL LABORATORIES

PHONE (915) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

PHONE (505) 393-2328 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
CONTROLLED RECOVERY, INC.
ATTN: DAVID PARSONS
P.O. BOX 388
HOBBS, NM 88241
FAX TO: (505) 393-3815

Receiving Date: 09/18/02
Reporting Date: 09/20/02
Project Owner: DEFS
Project Name: DEFS
Project Location: CARLSBAD COMPRESSOR STATIONS

Sampling Date: 09/16/02
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: AH

TCLP METALS

| LAB NO. | SAMPLE ID | As
ppm | Ag
ppm | Ba
ppm | Cd
ppm | Cr
ppm | Pb
ppm | Hg
ppm | Se
ppm |
|---------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
|---------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|

| | | | | | | | | | |
|-----------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| ANALYSIS DATE: | 09/20/02 | 09/19/02 | 09/19/02 | 09/19/02 | 09/19/02 | 09/19/02 | 09/19/02 | 09/19/02 | 09/20/02 |
| EPA LIMITS: | 5 | 5 | 100 | 1 | 5 | 5 | 0.2 | 1 | |
| H7051-1 1 | <1 | <1 | <5 | <0.1 | <1 | <1 | <0.02 | <0.1 | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| Quality Control | 0.049 | 4.938 | 24.88 | 0.987 | 4.775 | 4.876 | 0.0101 | 0.047 | |
| True Value QC | 0.050 | 5.000 | 25.00 | 1.000 | 5.000 | 5.000 | 0.0100 | 0.050 | |
| % Recovery | 98.0 | 98.8 | 99.5 | 98.7 | 95.5 | 97.5 | 101.0 | 94.0 | |
| Relative Standard Deviation | 1.8 | 0.1 | 3.1 | 0.3 | 1.0 | 0.2 | 1.0 | 4.7 | |

| | | | | | | | | | |
|------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|--|
| METHODS: EPA 1311, 600/4-81. | 206.2 | 272.1 | 208.1 | 213.1 | 218.1 | 239.1 | 245.1 | 270.2 | |
|------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|--|

Amy Hill
Chemist

9-20-02
Date

H7051

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ARDINAL LABORATORIES

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PHONE (505) 393-2328 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
CONTROLLED RECOVERY, INC.

ATTN: DAVE PARSONS

P.O. BOX 388

HOBBS, NM 88241

FAX TO: (505) 393-3815

Receiving Date: 09/18/02

Reporting Date: 09/20/02

Project Owner: DEFS

Project Name: DEFS

Project Location: CARLSBAD COMPRESSOR STATIONS

Sampling Date: 09/16/02

Sample Type: SOIL

Sample Condition: COOL & INTACT

Sample Received By: BC

Analyzed By: AH/BC

REACTIVITY

| LAB NO. | SAMPLE ID | Sulfide
(ppm) | Cyanide
(ppm) | CORROSIVITY
(pH) | IGNITABILITY
(°F) |
|---------|-----------|------------------|------------------|---------------------|----------------------|
|---------|-----------|------------------|------------------|---------------------|----------------------|

| ANALYSIS DATE: | | 09/18/02 | 09/18/02 | 09/18/02 | 09/18/02 |
|-----------------------------|---|--------------|--------------|----------|--------------|
| H7051-1 | 1 | Not reactive | Not reactive | 7.01 | Nonflammable |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| Quality Control | | NR | NR | 6.99 | NR |
| True Value QC | | NR | NR | 7.00 | NR |
| % Recovery | | NR | NR | 99.9 | NR |
| Relative Percent Difference | | NR | NR | 0.3 | NR |

METHOD: EPA SW-846 7.3, 7.2, 1030 (proposed), 1311, 40 CFR 261

Chemist

Date

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PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
CONTROLLED RECOVERY, INC.
ATTN: DAVE PARSONS
P.O. BOX 388
HOBBS, NM 88241
FAX TO: (505) 393-3615

Receiving Date: 09/18/02
Reporting Date: 09/20/02
Project Owner: DEFS
Project Name: DEFS
Project Location: CARLSBAD COMPRESSOR STATIONS
Lab Number: H7051-1
Sample ID: 1

Analysis Date: 09/20/02
Sampling Date: 09/16/02
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: BC

| TCLP SEMIVOLATILES (ppm) | EPA
LIMIT | Sample Result
H7051-1 | Method
Blank | QC | % Recov. | True Value
QC |
|--------------------------|--------------|--------------------------|-----------------|-------|----------|------------------|
| Pyridine | 5.00 | <0.020 | <0.005 | 0.031 | 62 | 0.050 |
| 1,4-Dichlorobenzene | 7.50 | <0.020 | <0.005 | 0.028 | 56 | 0.050 |
| o-Cresol | 200 | <0.020 | <0.005 | 0.039 | 78 | 0.050 |
| m, p-Cresol | 200 | <0.020 | <0.005 | 0.041 | 82 | 0.050 |
| Hexachloroethane | 3.00 | <0.020 | <0.005 | 0.027 | 54 | 0.050 |
| Nitrobenzene | 2.00 | <0.020 | <0.005 | 0.047 | 94 | 0.050 |
| Hexachloro-1,3-butadiene | 0.500 | <0.020 | <0.005 | 0.033 | 66 | 0.050 |
| 2,4,6-Trichlorophenol | 2.00 | <0.020 | <0.005 | 0.047 | 94 | 0.050 |
| 2,4,5-Trichlorophenol | 400 | <0.020 | <0.005 | 0.043 | 86 | 0.050 |
| 2,4-Dinitrotoluene | 0.130 | <0.020 | <0.005 | 0.044 | 88 | 0.050 |
| Hexachlorobenzene | 0.130 | <0.020 | <0.005 | 0.047 | 94 | 0.050 |
| Pentachlorophenol | 100 | <0.020 | <0.005 | 0.044 | 88 | 0.050 |

% RECOVERY

| | |
|----------------------|----|
| Fluorophenol | 61 |
| Phenol-d5 | 42 |
| Nitrobenzene-d5 | 75 |
| 2-Fluorobiphenyl | 63 |
| 2,4,6-Tribromophenol | 82 |
| Terphenyl-d14 | 47 |

METHODS: EPA SW-846 1311, 8270, 3510

Burgess J. A. Cooke
Burgess J. A. Cooke, P.E. D.

9/20/02
Date

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PHONE (505) 393-2328 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
CONTROLLED RECOVERY, INC.
ATTN: DAVE PARSONS
P.O. BOX 388
HOBBS, NM 88241
FAX TO: (505) 393-3615

Receiving Date: 09/18/02
Reporting Date: 09/20/02
Project Owner: DEFS
Project Name: DEFS
Project Location: CARLSBAD COMPRESSOR STATIONS
Lab Number: H7051-1
Sample ID: 1

Analysis Date: 09/20/02
Sampling Date: 09/18/02
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: BC

| TCLP VOLATILES (ppm) | EPA
LIMIT | Sample Result
H7051-1 | Method
Blank | QC | %Recov. | True Value
QC |
|----------------------|--------------|--------------------------|-----------------|-------|---------|------------------|
| Vinyl Chloride | 0.20 | <0.005 | <0.005 | 0.100 | 100 | 0.100 |
| 1,1-Dichloroethylene | 0.7 | <0.005 | <0.005 | 0.081 | 81 | 0.100 |
| Methyl Ethyl Ketone | 200 | <0.050 | <0.050 | 0.113 | 113 | 0.100 |
| Chloroform | 6.0 | 0.009 | <0.005 | 0.091 | 91 | 0.100 |
| 1,2-Dichloroethane | 0.5 | <0.005 | <0.005 | 0.107 | 107 | 0.100 |
| Benzene | 0.5 | <0.005 | <0.005 | 0.100 | 100 | 0.100 |
| Carbon Tetrachloride | 0.5 | <0.005 | <0.005 | 0.113 | 113 | 0.100 |
| Trichloroethylene | 0.5 | <0.005 | <0.005 | 0.097 | 97 | 0.100 |
| Tetrachloroethylene | 0.7 | <0.005 | <0.005 | 0.094 | 94 | 0.100 |
| Chlorobenzene | 100 | <0.005 | <0.005 | 0.090 | 90 | 0.100 |
| 1,4-Dichlorobenzene | 7.5 | <0.005 | <0.005 | 0.100 | 100 | 0.100 |

% RECOVERY

| | |
|----------------------|-----|
| Dibromofluoromethane | 118 |
| Toluene-d8 | 115 |
| Bromofluorobenzene | 114 |

METHODS: EPA SW 846-8260, 1311

Burgess J.A. Cooke
Burgess J.A. Cooke, Ph.D.

9/20/02
Date

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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-138
Revised March 17, 1999

Submit Original
Plus 1 Copy
to Appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

| | |
|---|---|
| 1. RCRA Exempt: ☐ Non-Exempt: ☒
☐ Verbal Approval Received: Yes ☐ No ☒ | 4. Generator Duke Energy Field Services |
| 2. Management Facility Destination Controlled Recovery Inc. | 5. Originating Site Loving Plant |
| 3. Address of Facility Operator P.O. Box 388, Hobbs | 6. Transporter CRI |
| 7. Location of Material (Street Address or ULSTR) 260 Potash Mines Rd. | 8. State New Mexico |
| 9. Circle One:
A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job.
B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved.
All transporters must certify the wastes delivered are only those consigned for transport. | |

BRIEF DESCRIPTION OF MATERIAL:

09-23-02A

Waste water generated from sumps/rain water.

Enclosed is certificate of waste status, analytical data, and chain of custody to extend this process until October 1, 2003.



Estimated Volume appx. 100 bbls. every 90 days cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE Carmella Van Maanen TITLE: Bookkeeper DATE: 09-23-02
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Carmella Van Maanen TELEPHONE NO: (505) 393-1079

(This space for State Use)

APPROVED BY: [Signature] TITLE: Gen. Engr DATE: 9/25/02
APPROVED BY: [Signature] TITLE: Environmental Geologist DATE: 10/9/02

1-206001

CERTIFICATE OF WASTE STATUS
NON-EXEMPT WASTE MATERIAL
"AS REQUIRED BY NEW MEXICO OIL CONSERVATION DIVISION"

COMPANY / GENERATOR Duke Energy Field Services

ADDRESS 260 Potash Mines Rd, Loving Nm.

GENERATING SITE Loving Plant

COUNTY Eddy STATE NM

TYPE OF WASTE Waste water

ESTIMATED VOLUME 100 BBLs every 90 days

GENERATING PROCESS Sumps / Rain water

REMARKS _____

NMOCD FACILITY CRI

TRUCKING COMPANY CRI

As a condition of acceptance for disposal, I hereby certify that this waste is a non-exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. To my knowledge, this waste will be analyzed pursuant to the provisions of 40 CFR Part 261 to verify the nature as non-hazardous. I further certify that to my knowledge "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has not been added or mixed with the waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, Sections 2613.

AGENT RA Moore
SIGNATURE

NAME R. A. Moore
PRINTED

ADDRESS 3300 North A Bldg 7
Midland, Tx 79705

DATE 9/23/02

This analytical good for waste stream until October 3, 2003.



PHONE (915) 873-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
CONTROLLED RECOVERY, INC.
ATTN: KEN MARSH
P.O. BOX 388
HOBBS, NM 88241
FAX TO: (505) 393-3615

Receiving Date: 09/13/02
Reporting Date: 09/19/02
Project Owner: DEFS
Project Name: SUMP
Project Location: EDDY COUNTY, NM

Sampling Date: 09/13/02
Sample Type: WASTEWATER
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: AH

TCLP METALS

| LAB NO. | SAMPLE ID | As
ppm | Ag
ppm | Ba
ppm | Cd
ppm | Cr
ppm | Pb
ppm | Hg
ppm | Se
ppm |
|---------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
|---------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|

| | | | | | | | | |
|-----------------------------|----------|----------|----------|----------|----------|----------|----------|----------|
| ANALYSIS DATE: | 09/18/02 | 09/19/02 | 09/19/02 | 09/19/02 | 09/19/02 | 09/19/02 | 09/19/02 | 09/18/02 |
| EPA LIMITS: | 5 | 5 | 100 | 1 | 5 | 5 | 0.2 | 1 |
| H7032-1 SUMPS | <1 | <1 | <5 | <0.1 | <1 | <1 | <0.02 | <0.1 |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| Quality Control | 0.052 | 4.938 | 24.88 | 0.987 | 4.775 | 4.876 | 0.0101 | 0.053 |
| True Value QC | 0.050 | 5.000 | 25.00 | 1.000 | 5.000 | 5.000 | 0.0100 | 0.050 |
| % Recovery | 104 | 98.8 | 99.5 | 98.7 | 95.5 | 97.5 | 101.0 | 106 |
| Relative Standard Deviation | 4.5 | 0.1 | 3.1 | 0.3 | 1.0 | 0.2 | 1.0 | 8.8 |

| | | | | | | | | |
|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| METHODS: EPA 1311, 600/4-91 | 206.2 | 272.1 | 208.1 | 213.1 | 218.1 | 239.1 | 245.1 | 270.2 |
|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|

Amy Hill
Chemist

9-19-02
Date

H7032

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PHONE (915) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
CONTROLLED RECOVERY, INC.

ATTN: KEN MARSH

P.O. BOX 388

HOBBS, NM 88241

FAX TO: (505) 393-3615

Receiving Date: 09/13/02

Reporting Date: 09/19/02

Project Owner: DEFS/LOVING

Project Name: SUMP

Project Location: EDDY COUNTY, NM

Sampling Date: 09/13/02

Sample Type: WASTEWATER

Sample Condition: COOL & INTACT

Sample Received By: BC

Analyzed By: AH/BC

REACTIVITY

LAB NO. SAMPLE ID

Sulfide

Cyanide

CORROSIVITY

IGNITABILITY

(ppm)

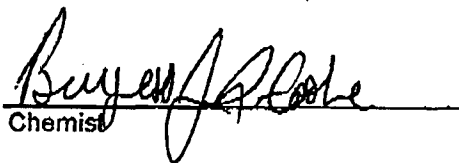
(ppm)

(pH)

(°F)

| | | | | |
|-----------------------------|--------------|--------------|----------|----------|
| ANALYSIS DATE: | 09/17/02 | 09/17/02 | 09/16/02 | 09/16/02 |
| H7032-1 SUMPS | Not reactive | Not reactive | 6.68 | >140 |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| Quality Control | NR | NR | 6.99 | NR |
| True Value QC | NR | NR | 7.00 | NR |
| % Recovery | NR | NR | 100 | NR |
| Relative Percent Difference | NR | NR | 0 | NR |

METHOD: EPA SW-846 7.3, 7.2, 1010, 1311, 40 CFR 261


Chemist


Date

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise.



PHONE (915) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79803

PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
 CONTROLLED RECOVERY, INC.
 ATTN: KEN MARSH
 P.O. BOX 388
 HOBBS, NM 88241
 FAX TO: (505) 393-3615

Receiving Date: 09/13/02
 Reporting Date: 09/16/02
 Project Owner: DEFS/LOVING
 Project Name: SUMP
 Project Location: EDDY COUNTY, NM
 Lab Number: H7032-1
 Sample ID: SUMPS

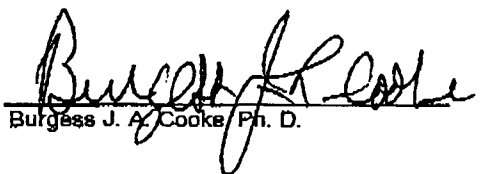
Analysis Date: 09/13/02
 Sampling Date: 09/13/02
 Sample Type: WASTEWATER
 Sample Condition: COOL & INTACT
 Sample Received By: BC
 Analyzed By: BC

| TCLP SEMIVOLATILES (ppm) | EPA
LIMIT | Sample Result
H7032-1 | Method
Blank | QC | % Recov. | True Value
QC |
|--------------------------|--------------|--------------------------|-----------------|-------|----------|------------------|
| Pyridine | 5.00 | <0.050 | <0.005 | 0.041 | 82 | 0.050 |
| 1,4-Dichlorobenzene | 7.50 | <0.050 | <0.005 | 0.033 | 66 | 0.050 |
| o-Cresol | 200 | <0.050 | <0.005 | 0.044 | 88 | 0.050 |
| m, p-Cresol | 200 | <0.050 | <0.005 | 0.041 | 82 | 0.050 |
| Hexachloroethane | 3.00 | <0.050 | <0.005 | 0.029 | 58 | 0.050 |
| Nitrobenzene | 2.00 | <0.050 | <0.005 | 0.044 | 88 | 0.050 |
| Hexachloro-1,3-butadiene | 0.500 | <0.050 | <0.005 | 0.033 | 66 | 0.050 |
| 2,4,6-Trichlorophenol | 2.00 | <0.050 | <0.005 | 0.053 | 106 | 0.050 |
| 2,4,5-Trichlorophenol | 400 | <0.050 | <0.005 | 0.052 | 104 | 0.050 |
| 2,4-Dinitrotoluene | 0.130 | <0.050 | <0.005 | 0.046 | 92 | 0.050 |
| Hexachlorobenzene | 0.130 | <0.050 | <0.005 | 0.053 | 106 | 0.050 |
| Pentachlorophenol | 100 | <0.050 | <0.005 | 0.046 | 92 | 0.050 |

% RECOVERY

| | |
|----------------------|-----|
| Fluorophenol | 89 |
| Phenol-d5 | 50 |
| Nitrobenzene-d5 | 88 |
| 2-Fluorobiphenyl | 73 |
| 2,4,6-Tribromophenol | 107 |
| Terphenyl-d14 | 95 |

METHODS: EPA SW-846 1311, 8270, 3510



Burgess J. A. Cooke, Ph. D.

9/16/02
 Date

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PHONE (915) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
CONTROLLED RECOVERY, INC.

ATTN: KEN MARSH

P.O. BOX 388

HOBBS, NM 88241

FAX TO: (505) 393-3615

Receiving Date: 09/13/02

Reporting Date: 09/16/02

Project Owner: DEFS/LOVING

Project Name: SUMP

Project Location: EDDY COUNTY, NM

Lab Number: H7032-1

Sample ID: SUMPS

Analysis Date: 09/13/02

Sampling Date: 09/13/02

Sample Type: WASTEWATER

Sample Condition: COOL & INTACT

Sample Received By: BC

Analyzed By: BC

| TCLP VOLATILES (ppm) | EPA
LIMIT | Sample Result
H7032-1 | Method
Blank | QC | %Recov. | True Value
QC |
|----------------------|--------------|--------------------------|-----------------|-------|---------|------------------|
| Vinyl Chloride | 0.20 | <0.005 | <0.005 | 0.109 | 109 | 0.100 |
| 1,1-Dichloroethylene | 0.7 | <0.005 | <0.005 | 0.095 | 95 | 0.100 |
| Methyl Ethyl Ketone | 200 | <0.050 | <0.050 | 0.084 | 84 | 0.100 |
| Chloroform | 6.0 | <0.005 | <0.005 | 0.087 | 87 | 0.100 |
| 1,2-Dichloroethane | 0.5 | <0.005 | <0.005 | 0.090 | 90 | 0.100 |
| Benzene | 0.5 | <0.005 | <0.005 | 0.114 | 114 | 0.100 |
| Carbon Tetrachloride | 0.5 | <0.005 | <0.005 | 0.109 | 109 | 0.100 |
| Trichloroethylene | 0.5 | <0.005 | <0.005 | 0.098 | 98 | 0.100 |
| Tetrachloroethylene | 0.7 | <0.005 | <0.005 | 0.091 | 91 | 0.100 |
| Chlorobenzene | 100 | <0.005 | <0.005 | 0.101 | 101 | 0.100 |
| 1,4-Dichlorobenzene | 7.5 | <0.005 | <0.005 | 0.091 | 91 | 0.100 |

% RECOVERY

| | |
|----------------------|-----|
| Dibromofluoromethane | 95 |
| Toluene-d8 | 100 |
| Bromofluorobenzene | 102 |

METHODS: EPA SW 846-8260, 1311

Burgess J.A. Cooke, Ph. D.
Burgess J.A. Cooke, Ph. D.

9/16/02
Date

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise.



CARDINAL LABORATORIES, INC.

2111 Beechwood, Abilene, TX 79603 101 East Maryland, Hobbs, NM 88240
 (817) 673-7001 Fax (817) 673-7020 (805) 393-2228 Fax (805) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 01 of 01

| | | | |
|---|---|--|--|
| Company Name: Duke Energy Field Services
Project Manager: | | P.O. #: | |
| Address: 2400 Dogfork Ln NW S Road
City: Lawley State: NM Zip: 2 | | Company: CEI
Attn: Kim | |
| Phone #: Fax #: | | Address: Box 368
City: Hobbs | |
| Project #: Stamp Project Owner: | | State: NM Zip: 88241
Phone #: 505-393-1075
Fax #: 505-393-3615 | |
| Project Location: Stamp
Sample Name: Run wash
For Use Only: | | Matrix: Preserv: Sampling: | |
| Lab ID:
H7032-1
Sample ID:
Stamps | ☒ (G)RAB OR (C)OMP.
☒ CONTAINERS | ☒ GROUNDWATER
☒ WASTEWATER
☐ SOIL
☐ OIL
☐ SLUDGE
☐ OTHER: | |
| | ☒ ACID/BASE:
☒ FEE/COOL
☐ OTHER: | DATE: 9-13-02 TIME: 12:55PM | |
| Received By: [Signature]
Date: 9/13/02 Time: 12:55PM | | Analysis Request:
TCHP Metals, Volatiles
Semi Volatiles
RCF | |
| Remarks: | | Phone Results:
For Results: ☐ Yes ☐ No | |

Cardinal cannot accept verbal changes. Please fax written changes to (805) 393-2476.

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-138
Revised March 17, 1999

Submit Original
Plus 1 Copy
to Appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

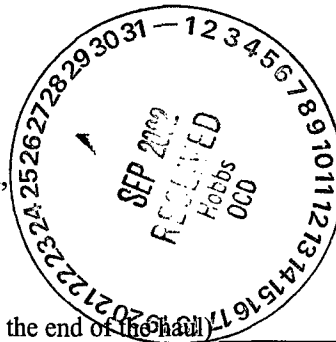
| | |
|--|--|
| 1. RCRA Exempt: ☐ Non-Exempt: ☒
☐ Verbal Approval Received: Yes ☐ No ☒ | 4. Generator Smith Services |
| 2. Management Facility Destination Controlled Recovery Inc. | 5. Originating Site 1000 W. County Rd. |
| 3. Address of Facility Operator P.O. Box 388, Hobbs | 6. Transporter CRI |
| 7. Location of Material (Street Address or ULSTR) 1000 W. County Rd., Hobbs | 8. State New Mexico |
| 9. Circle One:
A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job.
B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved

All transporters must certify the wastes delivered are only those consigned for transport. | |

BRIEF DESCRIPTION OF MATERIAL:

09-27-02A 20 yds. Sump sludge
09-27-02B 200 bbls. wash water

I am enclosing a non-exempt certificate of waste status, analytical data, and chain of custody.



Estimated Volume see above cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE Carmella Van Maanen TITLE: Bookkeeper DATE: 09-27-02
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Carmella Van Maanen TELEPHONE NO: (505) 393-1079

(This space for State Use)

APPROVED BY: [Signature] TITLE: Enviro Eng DATE: 10/1/02
APPROVED BY: [Signature] TITLE: Environmental Geologist DATE: 10/22/02

CERTIFICATE OF WASTE STATUS
NON-EXEMPT WASTE MATERIAL

"AS REQUIRED BY NEW MEXICO OIL CONSERVATION DIVISION"

COMPANY / GENERATOR SMITH SERVICES (RED BARON)
ADDRESS 1000 W. COUNTY ROAD, HOBBS N.M. 88240
GENERATING SITE SAMECOUNTY LEA STATE N.M.TYPE OF WASTE Sump SLUDGEESTIMATED VOLUME 20 yds.GENERATING PROCESS STEAM CLEANING /WASHING OILFIELD TOOLS

REMARKS _____

NMOCD FACILITY CONTROLLED RECOVERY INC.

TRUCKING COMPANY _____

As a condition of acceptance for disposal, I hereby certify that this waste is a non-exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. To my knowledge, this waste will be analyzed pursuant to the provisions of 40 CFR Part 261 to verify the nature as non-hazardous. I further certify that to my knowledge "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has not been added or mixed with the waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, Sections 2613.

AGENT D.J. MOLINA

SIGNATURE

NAME OSCAR J. MOLINA

PRINTED

ADDRESS P.O. Box 2008HOBBS N. Mex 88240DATE Sept. 26, 2002

CERTIFICATE OF WASTE STATUS
NON-EXEMPT WASTE MATERIAL
"AS REQUIRED BY NEW MEXICO OIL CONSERVATION DIVISION"

COMPANY / GENERATOR SMITH SERVICES
ADDRESS 1000 W. COUNTY RD. HOBBS, N.MEX.
GENERATING SITE SAME

COUNTY LEA STATE N.M.

TYPE OF WASTE WASTE WATER
ESTIMATED VOLUME 200 BBL (8400 GALS)
GENERATING PROCESS STEAM CLEANING
OF OILFIELD TOOLS

REMARKS _____

NMOCD FACILITY CONTROLLED RECOVERY INC.

TRUCKING COMPANY CONTROLLED RECOVERY INC.

As a condition of acceptance for disposal, I hereby certify that this waste is a non-exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. To my knowledge, this waste will be analyzed pursuant to the provisions of 40 CFR Part 261 to verify the nature as non-hazardous. I further certify that to my knowledge "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has not been added or mixed with the waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, Sections 261.3.

AGENT O.J. MOLINA

SIGNATURE

NAME OSCAR J. MOLINA

PRINTED

ADDRESS P.O. Box 2008

HOBBS, N.MEX 88240

DATE SEPT 26, 2002

ARDINAL LABORATORIES, INC.

22111 Beechwood, Abilene, TX 79603 101 East Maryland, Hobbs, NM 88240
(915) 673-7901 Fax (915) 673-7020 (806) 393-2328 Fax (505) 393-2476

* Cardinal cannot accept verbal changes. Please fax written changes to (916) 673-7020.



CARDINAL **LABORATORIES**

PHONE (915) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
 SMITH SERVICES
 ATTN: OSCAR J. MOLINA
 P.O. BOX 2008
 HOBBS, NM 88241
 FAX TO: (505) 397-3875

Receiving Date: 09/17/02
 Reporting Date: 09/19/02
 Project Owner: SMITH INT
 Project Name: NOT GIVEN
 Project Location: 1000 W. COUNTY RD., HOBBS, NM
 Lab Number: H7048-2
 Sample ID: WASTEWATER

Analysis Date: 09/18/02
 Sampling Date: 09/17/02
 Sample Type: WASTEWATER
 Sample Condition: COOL & INTACT
 Sample Received By: AH
 Analyzed By: BC

| TCLP SEMIVOLATILES (ppm) | EPA
LIMIT | Sample Result
H7048-2 | Method
Blank | QC | % Recov. | True Value
QC |
|--------------------------|--------------|--------------------------|-----------------|-------|----------|------------------|
| Pyridine | 5.00 | <0.020 | <0.005 | 0.031 | 62 | 0.050 |
| 1,4-Dichlorobenzene | 7.50 | <0.020 | <0.005 | 0.028 | 56 | 0.050 |
| o-Cresol | 200 | <0.020 | <0.005 | 0.039 | 78 | 0.050 |
| m, p-Cresol | 200 | <0.020 | <0.005 | 0.041 | 82 | 0.050 |
| Hexachloroethane | 3.00 | <0.020 | <0.005 | 0.027 | 54 | 0.050 |
| Nitrobenzene | 2.00 | <0.020 | <0.005 | 0.047 | 94 | 0.050 |
| Hexachloro-1,3-butadiene | 0.500 | <0.020 | <0.005 | 0.033 | 66 | 0.050 |
| 2,4,6-Trichlorophenol | 2.00 | <0.020 | <0.005 | 0.047 | 94 | 0.050 |
| 2,4,5-Trichlorophenol | 400 | <0.020 | <0.005 | 0.043 | 86 | 0.050 |
| 2,4-Dinitrotoluene | 0.130 | <0.020 | <0.005 | 0.044 | 88 | 0.050 |
| Hexachlorobenzene | 0.130 | <0.020 | <0.005 | 0.047 | 94 | 0.050 |
| Pentachlorophenol | 100 | <0.020 | <0.005 | 0.044 | 88 | 0.050 |

% RECOVERY

| | |
|----------------------|----|
| Fluorophenol | 46 |
| Phenol-d5 | 21 |
| Nitrobenzene-d5 | 86 |
| 2-Fluorobiphenyl | 71 |
| 2,4,6-Tribromophenol | 92 |
| Terphenyl-d14 | 95 |

METHODS: EPA SW-846 1311, 8270, 3510

Burgess J. A. Cooke, P.E.
 Burgess J. A. Cooke, P.E.

9/19/02
 Date

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PHONE (915) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
SMITH SERVICES
ATTN: OSCAR J. MOLINA
P.O. BOX 2008
HOBBS, NM 88241
FAX TO: (505) 397-3675

Receiving Date: 09/17/02
Reporting Date: 09/19/02
Project Owner: SMITH INT.
Project Name: NOT GIVEN
Project Location: 1000 W COUNTY RD., HOBBS, NM
Lab Number: H7048-2
Sample ID: WASTEWATER

Analysis Date: 09/18/02
Sampling Date: 09/17/02
Sample Type: WASTEWATER
Sample Condition: COOL & INTACT
Sample Received By: AH
Analyzed By: BC

| TCLP VOLATILES (ppm) | EPA
LIMIT | Sample Result
H7048-2 | Method
Blank | QC | %Recov. | True Value
QC |
|----------------------|--------------|--------------------------|-----------------|-------|---------|------------------|
| Vinyl Chloride | 0.20 | <0.005 | <0.005 | 0.100 | 100 | 0.100 |
| 1,1-Dichloroethylene | 0.7 | <0.005 | <0.005 | 0.081 | 81 | 0.100 |
| Methyl Ethyl Ketone | 200 | <0.050 | <0.050 | 0.113 | 113 | 0.100 |
| Chloroform | 6.0 | 0.024 | <0.005 | 0.091 | 91 | 0.100 |
| 1,2-Dichloroethane | 0.5 | <0.005 | <0.005 | 0.107 | 107 | 0.100 |
| Benzene | 0.5 | <0.005 | <0.005 | 0.100 | 100 | 0.100 |
| Carbon Tetrachloride | 0.5 | <0.005 | <0.005 | 0.113 | 113 | 0.100 |
| Trichloroethylene | 0.5 | <0.005 | <0.005 | 0.097 | 97 | 0.100 |
| Tetrachloroethylene | 0.7 | <0.005 | <0.005 | 0.094 | 94 | 0.100 |
| Chlorobenzene | 100 | <0.005 | <0.005 | 0.090 | 90 | 0.100 |
| 1,4-Dichlorobenzene | 7.5 | <0.005 | <0.005 | 0.100 | 100 | 0.100 |

% RECOVERY

| | |
|----------------------|-----|
| Dibromofluoromethane | 100 |
| Toluene-d8 | 96 |
| Bromofluorobenzene | 93 |

METHODS: EPA SW 846-8260, 1311

Burgess J. A. Cooke, Ph. D.

11/9/02
Date

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PHONE (915) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
SMITH SERVICES

ATTN: OSCAR J. MOLINA

P.O. BOX 2008

HOBBS, NM 88241

FAX TO: (505) 397-3675

Receiving Date: 09/17/02

Reporting Date: 09/19/02

Project Owner: SMITH INT.

Project Name: NOT GIVEN

Project Location: 1000 W. COUNTY RD., HOBBS, NM

Lab Number: H7048-1

Sample ID: COMP. OF 3 SUMPS

Analysis Date: 09/18/02

Sampling Date: 09/17/02

Sample Type: SLUDGE

Sample Condition: COOL & INTACT

Sample Received By: AH

Analyzed By: BC

| TCLP VOLATILES (ppm) | EPA
LIMIT | Sample Result
H7048-1 | Method
Blank | QC | %Recov. | True Value
QC |
|----------------------|--------------|--------------------------|-----------------|-------|---------|------------------|
| Vinyl Chloride | 0.20 | <0.005 | <0.005 | 0.100 | 100 | 0.100 |
| 1,1-Dichloroethylene | 0.7 | <0.005 | <0.005 | 0.081 | 81 | 0.100 |
| Methyl Ethyl Ketone | 200 | <0.050 | <0.050 | 0.113 | 113 | 0.100 |
| Chloroform | 6.0 | 0.008 | <0.005 | 0.091 | 91 | 0.100 |
| 1,2-Dichloroethane | 0.5 | <0.005 | <0.005 | 0.107 | 107 | 0.100 |
| Benzene | 0.5 | <0.005 | <0.005 | 0.100 | 100 | 0.100 |
| Carbon Tetrachloride | 0.5 | <0.005 | <0.005 | 0.113 | 113 | 0.100 |
| Trichloroethylene | 0.5 | <0.005 | <0.005 | 0.097 | 97 | 0.100 |
| Tetrachloroethylene | 0.7 | <0.005 | <0.005 | 0.094 | 94 | 0.100 |
| Chlorobenzene | 100 | <0.005 | <0.005 | 0.090 | 90 | 0.100 |
| 1,4-Dichlorobenzene | 7.5 | <0.005 | <0.005 | 0.100 | 100 | 0.100 |

% RECOVERY

| | |
|----------------------|-----|
| Dibromofluoromethane | 114 |
| Toluene-d8 | 105 |
| Bromofluorobenzene | 102 |

METHODS: EPA SW 846-8260, 1311

Burgess J. A. Cooks
Burgess J. A. Cooks, Ph.D.

9/19/02
Date



PHONE (915) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
SMITH SERVICES
ATTN: OSCAR J. MOLINA
P.O. BOX 2008
HOBBS, NM 88241
FAX TO: (505) 397-3675

Receiving Date: 09/17/02
Reporting Date: 09/19/02
Project Owner: SMITH INT.
Project Name: NOT GIVEN
Project Location: 1000 W. COUNTY RD., HOBBS, NM
Lab Number: H7048-1
Sample ID: COMP. OF 3 SUMPS

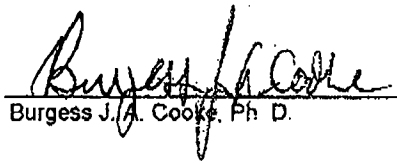
Analysis Date: 09/18/02
Sampling Date: 09/17/02
Sample Type: SLUDGE
Sample Condition: COOL & INTACT
Sample Received By: AH
Analyzed By: BC

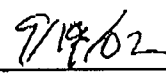
| TCLP SEMIVOLATILES (ppm) | EPA
LIMIT | Sample Result
H7048-1 | Method
Blank | QC | % Recov. | True Value
QC |
|--------------------------|--------------|--------------------------|-----------------|-------|----------|------------------|
| Pyridine | 5.00 | <0.020 | <0.005 | 0.031 | 62 | 0.050 |
| 1,4-Dichlorobenzene | 7.50 | <0.020 | <0.005 | 0.028 | 56 | 0.050 |
| o-Cresol | 200 | <0.020 | <0.005 | 0.039 | 78 | 0.050 |
| m, p-Cresol | 200 | <0.020 | <0.005 | 0.041 | 82 | 0.050 |
| Hexachloroethane | 3.00 | <0.020 | <0.005 | 0.027 | 54 | 0.050 |
| Nitrobenzene | 2.00 | <0.020 | <0.005 | 0.047 | 94 | 0.050 |
| Hexachloro-1,3-butadiene | 0.500 | <0.020 | <0.005 | 0.033 | 66 | 0.050 |
| 2,4,6-Trichlorophenol | 2.00 | <0.020 | <0.005 | 0.047 | 94 | 0.050 |
| 2,4,5-Trichlorophenol | 400 | <0.020 | <0.005 | 0.043 | 86 | 0.050 |
| 2,4-Dinitrotoluene | 0.130 | <0.020 | <0.005 | 0.044 | 88 | 0.050 |
| Hexachlorobenzene | 0.130 | <0.020 | <0.005 | 0.047 | 94 | 0.050 |
| Pentachlorophenol | 100 | <0.020 | <0.005 | 0.044 | 88 | 0.050 |

% RECOVERY

| | |
|----------------------|----|
| Fluorophenol | 25 |
| Phenol-d5 | 17 |
| Nitrobenzene-d5 | 51 |
| 2-Fluorobiphenyl | 46 |
| 2,4,6-Tribromophenol | 50 |
| Terphenyl-d14 | 52 |

METHODS: EPA SW-846 1311, 8270, 3510


Burgess J.A. Cooke, Ph. D.


Date

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PHONE (915) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
SMITH SERVICES
ATTN: OSCAR J. MOLINA
P.O. BOX 2008
HOBBS, NM 88241

Receiving Date: 09/17/02

Reporting Date: 09/20/02

Project Owner: SMITH INT.

Project Name: NOT GIVEN

Project Location: 1000 W. COUNTY RD., HOBBS, NM

FAX TO: (505) 397-3675

Sampling Date: 09/17/02

Sample Type: WASTEWATER

Sample Condition: COOL & INTACT

Sample Received By: AH

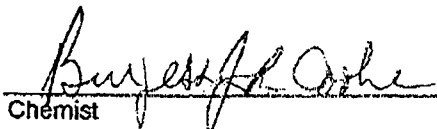
Analyzed By: AH/BC

REACTIVITY

LAB NO. SAMPLE ID Sulfide Cyanide CORROSIVITY IGNITABILITY
(ppm) (ppm) (pH) (°F)

| | | | | |
|-----------------------------|--------------|--------------|----------|----------|
| ANALYSIS DATE: | 09/18/02 | 09/18/02 | 09/19/02 | 09/20/02 |
| H7048-2 WASTEWATER | Not reactive | Not reactive | 7.22 | >140 |
| | | | | |
| | | | | |
| | | | | |
| Quality Control | NR | NR | 6.99 | NR |
| True Value QC | NR | NR | 7.00 | NR |
| % Recovery | NR | NR | 99.9 | NR |
| Relative Percent Difference | NR | NR | 0.3 | NR |

METHOD: EPA SW-846 7.3, 7.2, 1010, 1311, 40 CFR 261


Chemist


Date

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PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
SMITH SERVICES
ATTN: OSCAR J. MOLINA
P.O. BOX 2008
HOBBS, NM 88241

Receiving Date: 09/17/02
Reporting Date: 09/20/02
Project Owner: SMITH INT.
Project Name: NOT GIVEN
Project Location: 1000 W. COUNTY RD., HOBBS, NM

FAX TO: (505) 397-3675

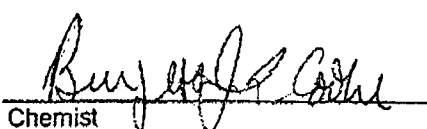
Sampling Date: 09/17/02
Sample Type: SLUDGE
Sample Condition: COOL & INTACT
Sample Received By: AH
Analyzed By: AH/BC

REACTIVITY

LAB NO. SAMPLE ID Sulfide Cyanide CORROSIVITY IGNITABILITY
(ppm) (ppm) (pH) (°F)

| ANALYSIS DATE: | | 09/18/02 | 09/18/02 | 09/19/02 | 09/20/02 |
|-----------------------------|---------------------|--------------|--------------|----------|----------|
| H7048-1 | COMP. OF 3
SUMPS | Not reactive | Not reactive | 7.22 | >140 |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| Quality Control | | NR | NR | 6.99 | NR |
| True Value QC | | NR | NR | 7.00 | NR |
| % Recovery | | NR | NR | 99.9 | NR |
| Relative Percent Difference | | NR | NR | 0.3 | NR |

METHOD: EPA SW-846 7.3, 7.2, 1010, 1311, 40 CFR 261



Chemist

9/20/02
Date

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Sampling Date: 09/17/02
Sample Type: WASTEWATER
Sample Condition: COOL & INTACT
Sample Received By: AH
Analyzed By: AH

| LAB NO. | SAMPLE ID | As
ppm | Ag
ppm | Ba
ppm | Cd
ppm | Cr
ppm | Pb
ppm | Hg
ppm | Se
ppm |
|------------------------------|------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| ANALYSIS DATE: | | 09/18/02 | 09/19/02 | 09/19/02 | 09/19/02 | 09/19/02 | 09/19/02 | 09/19/02 | 09/18/02 |
| EPA LIMITS: | | 5 | 5 | 100 | 1 | 5 | 5 | 0.2 | 1 |
| H7048-2 | WASTEWATER | <1 | <1 | <5 | <0.1 | <1 | <1 | <0.02 | <0.1 |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| Quality Control | | 0.052 | 4.938 | 24.88 | 0.987 | 4.775 | 4.876 | 0.0101 | 0.053 |
| True Value QC | | 0.050 | 5.000 | 25.00 | 1.000 | 5.000 | 5.000 | 0.0100 | 0.050 |
| % Recovery | | 104 | 98.8 | 99.5 | 98.7 | 95.5 | 97.5 | 101.0 | 106 |
| Relative Standard Deviation | | 4.5 | 0.1 | 3.1 | 0.3 | 1.0 | 0.2 | 1.0 | 8.8 |
| METHODS: EPA 1311, 600/4-91, | | 206.2 | 272.1 | 208.1 | 213.1 | 218.1 | 239.1 | 245.1 | 270.2 |

Chemist

Date _____

H70480

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ARDINAL LABORATORIES

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PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
SMITH SERVICES
ATTN: OSCAR J. MOLINA
P.O. BOX 2008
HOBBS, NM 88241
FAX TO: (505) 397-3675

Receiving Date: 09/17/02
Reporting Date: 09/19/02
Project Owner: SMITH INT.
Project Name: NOT GIVEN
Project Location: 1000 W. COUNTY RD., HOBBS, NM

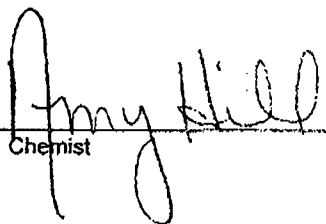
Sampling Date: 09/17/02
Sample Type: SLUDGE
Sample Condition: COOL & INTACT
Sample Received By: AH
Analyzed By: AH

TCLP METALS

| LAB NO. | SAMPLE ID | As
ppm | Ag
ppm | Ba
ppm | Cd
ppm | Cr
ppm | Pb
ppm | Hg
ppm | Se
ppm |
|---------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
|---------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|

| | | | | | | | | |
|-----------------------------|----------|----------|----------|----------|----------|----------|----------|----------|
| ANALYSIS DATE: | 09/18/02 | 09/19/02 | 09/19/02 | 09/19/02 | 09/19/02 | 09/19/02 | 09/19/02 | 09/18/02 |
| EPA LIMITS: | 5 | 5 | 100 | 1 | 5 | 5 | 0.2 | 1 |
| H7048-1 COMP. OF 3 SUMPS | <1 | <1 | <5 | <0.1 | <1 | <1 | <0.02 | <0.1 |
| Quality Control | 0.052 | 4.938 | 24.88 | 0.987 | 4.775 | 4.876 | 0.0101 | 0.053 |
| True Value QC | 0.050 | 5.000 | 25.00 | 1.000 | 5.000 | 5.000 | 0.0100 | 0.050 |
| % Recovery | 104 | 98.8 | 99.5 | 98.7 | 95.5 | 97.5 | 101.0 | 106 |
| Relative Standard Deviation | 4.5 | 0.1 | 3.1 | 0.3 | 1.0 | 0.2 | 1.0 | 8.8 |

| METHODS: EPA 1311, 600/4-91: | 206.2 | 272.1 | 208.1 | 213.1 | 218.1 | 239.1 | 245.1 | 270.2 |
|------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
|------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|


Chemist

9-19-02
Date

H7048a

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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

RECEIVED

NOV 25 2002

Environmental Bureau
Oil Conservation Division

Form C-138
Revised March 17, 1999

Submit Original
Plus 1 Copy
to Appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

| | |
|---|---|
| 1. RCRA Exempt: ☐ Non-Exempt: ☒
☐ Verbal Approval Received: Yes ☐ No ☒ | 4. Generator Duke Energy Field Services |
| 2. Management Facility Destination Controlled Recovery Inc. | 5. Originating Site Lee Plant-Buckeye |
| 3. Address of Facility Operator P.O. Box 388, Hobbs | 6. Transporter Unknown |
| 7. Location of Material (Street Address or ULSTR) 11525 W. Carlsbad Hwy. | 8. State New Mexico |
| Hobbs, NM | |
| 9. Circle One:
A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job.
B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved.
All transporters must certify the wastes delivered are only those consigned for transport. | |

BRIEF DESCRIPTION OF MATERIAL:

11-14-02

Demolition Concrete mixed with cooling tower sludge.

Enclosed is non-exempt certificate of waste status, analytical data, and chain of custody.

Estimated Volume appx. 36 drums _ cy Known Volume (to be entered by the operator at the end of the haul)

SIGNATURE

Carmella Van Maanen
Waste Management Facility Authorized Agent

TITLE: Bookkeeper

DATE: 11-14-02

TYPE OR PRINT NAME: Carmella Van Maanen

TELEPHONE NO: (505) 393-1079

(This space for State Use)

APPROVED BY:

[Signature]

TITLE:

Environmental Engineer

DATE:

11/15/02

APPROVED BY:

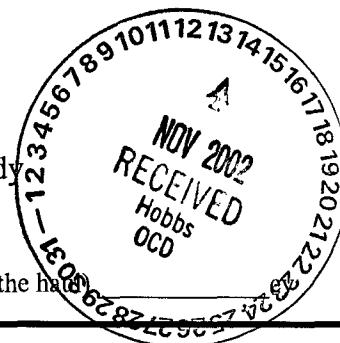
[Signature]

TITLE:

Environmental Geologist

DATE:

11/25/02



1-205211

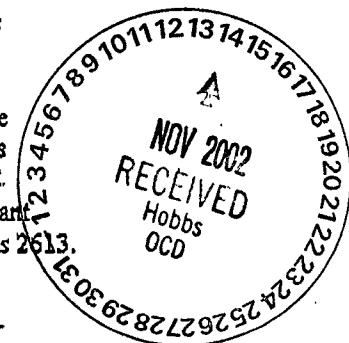
**CERTIFICATE OF WASTE STATUS
NON-EXEMPT WASTE MATERIAL
"AS REQUIRED BY NEW MEXICO OIL CONSERVATION DIVISION"**

COMPANY / GENERATOR Duke Energy Field ServicesADDRESS 11525 W Carlbad Hwy Hobbs N.M.GENERATING SITE Lee Plant - BuckeyeCOUNTY LEA STATE NMTYPE OF WASTE ConcreteESTIMATED VOLUME 36 DrumsGENERATING PROCESS Demolition concrete
mixed with cooling tower sludge

REMARKS _____

NMOCD FACILITY Controlled Recovery, IncTRUCKING COMPANY Up Known

As a condition of acceptance for disposal, I hereby certify that this waste is a non-exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. To my knowledge, this waste will be analyzed pursuant to the provisions of 40 CFR Part 261 to verify the nature as non-hazardous. I further certify that to my knowledge "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has not been added or mixed with the waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, Sections 261.3.

AGENT Mark Owens
SIGNATURENAME Mark Owens
PRINTEDADDRESS 11525 W Carlbad Hwy
Hobbs N.M. 88240DATE 11-14-02



ARDINAL LABORATORIES

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PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
DUKE ENERGY FIELD SERVICES
ATTN: MARK OWENS
11525 W. CARLSBAD HWY
HOBBS, NM 88240

FAX TO: (505) 397-5781

Receiving Date: 10/28/02
Reporting Date: 10/30/02
Project Number: NOT GIVEN
Project Name: LEE ACID REMEDIATION
Project Location: LEE PLANT

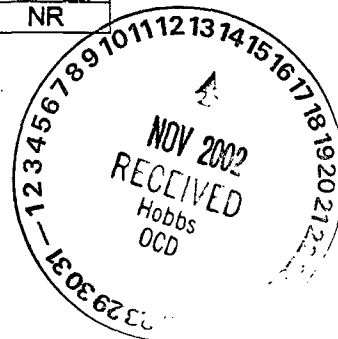
Sampling Date: 10/24/02
Sample Type: SOILD
Sample Condition: COOL & INTACT
Sample Received By: AH
Analyzed By: AH/BC

REACTIVITY

| LAB NO. | SAMPLE ID | Sulfide
(ppm) | Cyanide
(ppm) | CORROSIVITY
(pH) | IGNITABILITY
(°F) |
|---------|-----------|------------------|------------------|---------------------|----------------------|
|---------|-----------|------------------|------------------|---------------------|----------------------|

| ANALYSIS DATE: | | 10/29/02 | 10/29/02 | 10/28/02 | 10/28/02 |
|-----------------------------|-------------|--------------|--------------|----------|--------------|
| H7184-2 | COMPOSITE-3 | Not reactive | Not reactive | 11.97 | Nonflammable |
| SAMPLES | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| Quality Control | | NR | NR | 6.95 | NR |
| True Value QC | | NR | NR | 7.00 | NR |
| % Recovery | | NR | NR | 99.3 | NR |
| Relative Percent Difference | | NR | NR | 0.3 | NR |

METHOD: EPA SW-846 7.3, 7.2, 1010, 1311, 40 CFR 261



Burton J. Cash
Chemist

10/30/02
Date

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PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
DUKE ENERGY FIELD SERVICES
ATTN: MARK OWENS
11525 W. CARLSBAD HWY
HOBBS, NM 88240
FAX TO: (505) 397-5781

Receiving Date: 10/28/02
Reporting Date: 11/01/02
Project Number: NOT GIVEN
Project Name: LEE ACID REMEDIATION
Project Location: LEE PLANT
Lab Number: H7164-1
Sample ID: COMPOSITE-3 SAMPLES

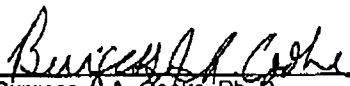
Extraction Date: 10/30/02
Analysis Date: 10/31/02
Sampling Date: 10/24/02
Sample Type: SOILD
Sample Condition: COOL & INTACT
Sample Received By: AH
Analyzed By: BC

| TCLP SEMIVOLATILES (ppm) | EPA
LIMIT | Sample Result
H7164-1 | Method
Blank | QC | % Recov. | True Value
QC |
|--------------------------|--------------|--------------------------|-----------------|-------|----------|------------------|
| Pyridine | 5.00 | <0.005 | <0.005 | 0.017 | 34 | 0.050 |
| 1,4-Dichlorobenzene | 7.50 | <0.005 | <0.005 | 0.037 | 74 | 0.050 |
| o-Cresol | 200 | <0.005 | <0.005 | 0.048 | 96 | 0.050 |
| m, p-Cresol | 200 | <0.005 | <0.005 | 0.048 | 96 | 0.050 |
| Hexachloroethane | 3.00 | <0.005 | <0.005 | 0.034 | 88 | 0.050 |
| Nitrobenzene | 2.00 | <0.005 | <0.005 | 0.046 | 92 | 0.050 |
| Hexachloro-1,3-butadiene | 0.500 | <0.005 | <0.005 | 0.038 | 76 | 0.050 |
| 2,4,6-Trichlorophenol | 2.00 | <0.005 | <0.005 | 0.048 | 96 | 0.050 |
| 2,4,5-Trichlorophenol | 400 | <0.005 | <0.005 | 0.048 | 96 | 0.050 |
| 2,4-Dinitrotoluene | 0.130 | <0.005 | <0.005 | 0.048 | 92 | 0.050 |
| Hexachlorobenzene | 0.130 | <0.005 | <0.005 | 0.053 | 106 | 0.050 |
| Pentachlorophenol | 100 | <0.005 | <0.005 | 0.048 | 96 | 0.050 |

% RECOVERY

| | |
|----------------------|-----|
| Fluorophenol | 50 |
| Phenol-d5 | 34 |
| Nitrobenzene-d5 | 83 |
| 2-Fluorobiphenyl | 72 |
| 2,4,6-Tribromophenol | 113 |
| Terphenyl-d14 | 60 |

METHODS: EPA SW-846 1311, 8270, 3510
MI - Matrix Interference


Burgess A. Cooke, Ph. D.

11/1/02
Date



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ANALYTICAL RESULTS FOR
DUKE ENERGY FIELD SERVICES
ATTN: MARK OWENS
11525 W. CARLSBAD HWY
HOBBS, NM 88240
FAX TO: (505) 397-5781

Receiving Date: 10/28/02
Reporting Date: 10/30/02
Project Number: NOT GIVEN
Project Name: LEE ACID REMEDIATION
Project Location: LEE PLANT
Lab Number: H7164-1
Sample ID: COMPOSITE-3 SAMPLES

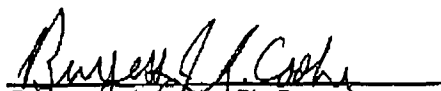
Analysis Date: 10/29/02
Sampling Date: 10/24/02
Sample Type: SOILD
Sample Condition: COOL & INTACT
Sample Received By: AH
Analyzed By: BC

| TCLP VOLATILES (ppm) | EPA
LIMIT | Sample Result
H7164-1 | Method
Blank | QC | %Recov. | True Value
QC |
|----------------------|--------------|--------------------------|-----------------|-------|---------|------------------|
| Vinyl Chloride | 0.20 | <0.005 | <0.005 | 0.093 | 93 | 0.100 |
| 1,1-Dichloroethylene | 0.7 | <0.005 | <0.005 | 0.092 | 92 | 0.100 |
| Methyl Ethyl Ketone | 200 | 0.138 | <0.050 | 0.106 | 106 | 0.100 |
| Chloroform | 6.0 | 0.008 | <0.005 | 0.098 | 98 | 0.100 |
| 1,2-Dichloroethane | 0.5 | <0.005 | <0.005 | 0.083 | 83 | 0.100 |
| Benzene | 0.5 | <0.005 | <0.005 | 0.093 | 93 | 0.100 |
| Carbon Tetrachloride | 0.5 | <0.005 | <0.005 | 0.089 | 89 | 0.100 |
| Trichloroethylene | 0.5 | <0.005 | <0.005 | 0.095 | 95 | 0.100 |
| Tetrachloroethylene | 0.7 | <0.005 | <0.005 | 0.090 | 90 | 0.100 |
| Chlorobenzene | 100 | <0.005 | <0.005 | 0.093 | 93 | 0.100 |
| 1,4-Dichlorobenzene | 7.5 | <0.005 | <0.005 | 0.097 | 97 | 0.100 |

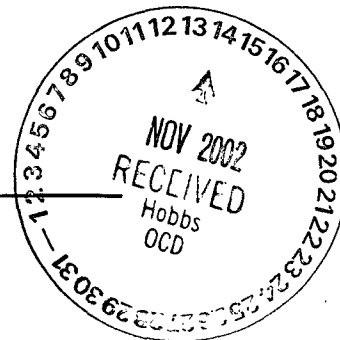
% RECOVERY

| | |
|----------------------|-----|
| Dibromofluoromethane | 84 |
| Toluene-d8 | 100 |
| Bromofluorobenzene | 106 |

METHODS: EPA SW 846-8260, 1311


Burgess J. A. Cooke, Ph. D.

10/30/02
Date



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PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
DUKE ENERGY FIELD SERVICES
ATTN: MARK OWENS
11525 W. CARLSBAD HWY.
HOBBS, NM 88240
FAX TO: (505) 397-5781

Receiving Date: 10/28/02
Reporting Date: 11/04/02
Project Number: NOT GIVEN
Project Name: LEE ACID REMEDIATION
Project Location: LEE PLANT

Sampling Date: 10/24/02
Sample Type: SOLID
Sample Condition: COOL & INTACT
Sample Received By: AH
Analyzed By: AH

TCLP METALS

| LAB NO. | SAMPLE ID | As
ppm | Ag
ppm | Ba
ppm | Cd
ppm | Cr
ppm | Pb
ppm | Hg
ppm | Se
ppm |
|---------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
|---------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|

| | | | | | | | | |
|-----------------------------|----------|----------|----------|----------|----------|----------|----------|----------|
| ANALYSIS DATE: | 11/01/02 | 11/04/02 | 11/04/02 | 11/04/02 | 11/04/02 | 11/04/02 | 11/04/02 | 11/01/02 |
| EPA LIMITS: | 5 | 5 | 100 | 1 | 5 | 5 | 0.2 | 1 |
| H7164-1 COMP. 3 SAMPLES | <1 | <1 | <5 | <0.1 | <1 | <1 | <0.02 | <0.1 |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| Quality Control | 0.048 | 5.005 | 25.28 | 0.928 | 4.884 | 5.133 | 0.0091 | 0.049 |
| True Value QC | 0.050 | 5.000 | 25.00 | 1.000 | 5.000 | 5.000 | 0.0100 | 0.050 |
| % Recovery | 96.0 | 100 | 101 | 92.8 | 97.7 | 103 | 91.1 | 98.0 |
| Relative Standard Deviation | 0.5 | 1.0 | 1.6 | 0.4 | 0.1 | 1.0 | 8.9 | 7.9 |

| | | | | | | | | |
|-------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| METHODS: EPA 1311, 600/4-91/0 | 206.2 | 272.1 | 208.1 | 213.1 | 218.1 | 239.1 | 245.1 | 270.2 |
|-------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|

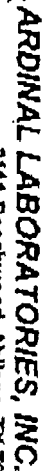
Amy Hill
Chemist

11-4-02
Date



H7164

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise.



(916) 673-7001 Fax (916) 673-7020 (605) 393-2326 Fax (506) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 1 of 1

| Company Name: Duke Energy Field Service | | P.O. #: | | | | | | |
|--|------------------------|-------------------|--------------|--|----------|----------|----------|------|
| Project Manager: Mark Owens | | Company: | | | | | | |
| Address: 11525 W Carlsbad Hwy | | Attn: | | | | | | |
| City: Hobbs | State: NM | Zip: 88240 | | | | | | |
| Phone #: 505-397-5728 | Fax #: 397-5781 | Address: | | | | | | |
| Project #: | Project Owner: | City: | | | | | | |
| Project Name: Lee Acid Remediation | State: | Zip: | | | | | | |
| Project Location: Lees Plant | Phone #: | | | | | | | |
| Sampler Name: | Fax #: | | | | | | | |
| FOR LAB USE ONLY | | | | | | | | |
| Lab I.D. | Sample I.D. | (G)RAB OR (C)OMP. | A CONTAINERS | MATRIX | PRESERV. | SAMPLING | DATE | TIME |
| H11164-1 | COMP.-3 SAMPLES | | | GROUNDWATER
WASTEWATER
SOIL
OIL
SLUDGE
OTHER :
ACID/BASE:
ICE / COOL
OTHER : | | | 10/24/02 | 1 |
| | | | | | | | | |

DISCLAIMER: Liability and Damages: Contractor hereby and Client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the services. All claims including those for negligence and any other cause whatsoever shall be barred unless written to writing and received by Contract within 30 days after completion of the applicable service. In no event shall Contractor be liable for incidental or consequential damages, including without limitation, business interruption, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or customers arising out of or related to the performance of personal furnished by Contractor, regardless of whether such claims be based upon any of the above stated theories or otherwise.

Sampler Relinquished: Date: 10-28-02 Time: 11:35 AM Received By: (Lab Staff) [Signature]

Relinquished By: [Signature] Date: 10-28-02 Time: 11:23 AM

Delivered By: (Circle One) OGD Hobbs RLC RECEIVED NOV 20 2002

Sampler - UPS - Bus: Other: Sample Condition Temp: C Contact? Yes No Checked By: (Initials)

REMARKS: Phone Receipt: ☐ Yes ☐ No Fair Receipt: ☐ Yes ☐ No

Terms and Conditions: Invoice payment will be charged to all accounts more than 30 days past due at the rate of 3% per month from the original date of invoice, and all costs of collection, including attorney's fees.

† Cardinal cannot accept verbal changes. Please fax written changes to (915) 673-7020

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

RECEIVED
NOV 18 2002
Environmental Bureau
Oil Conservation Division

Form C-138
Revised March 17, 1999

Submit Original
Plus 1 Copy
to Appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

| | |
|--|--|
| 1. RCRA Exempt: ☐ Non-Exempt: ☒
☐ Verbal Approval Received: Yes ☐ No ☒ | 4. Generator Halliburton Energy Services |
| 2. Management Facility Destination Controlled Recovery Inc. | 5. Originating Site Brownfield Facility |
| 3. Address of Facility Operator P.O. Box 388, Hobbs | 6. Transporter Unknown |
| 7. Location of Material (Street Address or ULSTR) 1301 W. Webb, Brownfield | 8. State New Mexico |
| 9. Circle One:
A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job.
B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved
All transporters must certify the wastes delivered are only those consigned for transport. | |

BRIEF DESCRIPTION OF MATERIAL:

11-05-02

Wash Rack Grit

Waste water/grit from the washing of oilfield equipment. Enclosed is non-exempt certificate of waste status, analytical data, and chain of custody.



Estimated Volume appx. 300 bbls. cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE Carmella Van Maanen TITLE: Bookkeeper DATE: 11-06-02
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Carmella Van Maanen TELEPHONE NO: (505) 393-1079

(This space for State Use)

APPROVED BY: [Signature] TITLE: Enviro Eng DATE: 11/8/02

APPROVED BY: [Signature] TITLE: Environmental Geologist DATE: 11/15/02

1-20511

**CERTIFICATE OF WASTE STATUS
NON-EXEMPT WASTE MATERIAL****"AS REQUIRED BY NEW MEXICO OIL CONSERVATION DIVISION"**COMPANY / GENERATOR Halliburton Energy Services
ADDRESS 1301 W. Webb, Brownfield, Tx, 79316
GENERATING SITE SameCOUNTY Terry STATE TxTYPE OF WASTE Wash rock GritESTIMATED VOLUME 300 BBLs.GENERATING PROCESS Waste water /grit from
the washing of oilfield equipment

REMARKS _____

NMOCD FACILITY Controlled Recovery Inc.TRUCKING COMPANY Controlled Recovery Inc.

As a condition of acceptance for disposal, I hereby certify that this waste is a non-exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. To my knowledge, this waste will be analyzed pursuant to the provisions of 40 CFR Part 261 to verify the nature as non-hazardous. I further certify that to my knowledge "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has not been added or mixed with the waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, Sections 261.3.

AGENT [Signature]
SIGNATURENAME Harvey Price
PRINTEDADDRESS H.E.S. 5801 Lovington Hwy
Hobbs, N.M. 88240DATE 10-31-02



ARDINAL LABORATORIES

PHONE (915) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
HALLIBURTON ENERGY SERVICES
ATTN: SCOTT NELSON
5801 LOVINGTON HWY
HOBBS, NM 88240
FAX TO:

Receiving Date: 12/12/00
Reporting Date: 12/16/00
Project Number: NOT GIVEN
Project Name: WASHBAY SUMP
Project Location: BROWNFIELD YARD

Sampling Date: 12/12/00
Sample Type: SLUDGE
Sample Condition: COOL & INTACT
Sample Received By: GP
Analyzed By: AH/GP

TCLP METALS

| LAB NO. | SAMPLE ID | As
ppm | Ag
ppm | Ba
ppm | Cd
ppm | Cr
ppm | Pb
ppm | Hg
ppm | Se
ppm |
|---------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
|---------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|

| | | | | | | | | |
|-----------------------------|----------|----------|----------|----------|----------|----------|----------|----------|
| ANALYSIS DATE: | 12/13/00 | 12/14/00 | 12/14/00 | 12/14/00 | 12/14/00 | 12/14/00 | 12/15/00 | 12/14/00 |
| EPA LIMITS: | 5 | 5 | 100 | 1 | 5 | 5 | 0.2 | 1 |
| H5425-1 WASHBAY SLUDGE | <1 | <1 | <5 | <0.1 | <1 | <1 | <0.02 | <0.1 |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| Quality Control | 0.193 | 4.719 | 44.56 | 1.047 | 5.009 | 0.00945 | 5.076 | 0.053 |
| True Value QC | 0.200 | 5.000 | 50.00 | 1.000 | 5.000 | 0.01000 | 5.000 | 0.050 |
| % Recovery | 96.5 | 94.4 | 89.1 | 105 | 100 | 94.5 | 102 | 106 |
| Relative Standard Deviation | 2.0 | 0.5 | 3.7 | 0.3 | 2.9 | 5.8 | 0.4 | 2.0 |

| | | | | | | | | |
|--------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| METHODS: EPA 1311, 600/4-91/01 | 206.2 | 272.1 | 208.1 | 213.1 | 218.1 | 239.1 | 245.1 | 270.2 |
|--------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|

Amy Hill
Chemist

12-16-00
Date

H5425M.XLS

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PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
HALLIBURTON ENERGY SERVICES
ATTN: SCOTT NELSON
5801 LOVINGTON HWY.
HOBBS, NM 88240

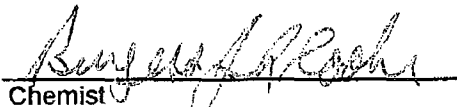
FAX TO:

Receiving Date: 12/12/00
Reporting Date: 12/18/00
Project Number: NOT GIVEN
Project Name: WASHBAY SUMP
Project Location: BROWNFIELD YARD

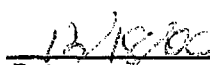
Sampling Date: 12/12/00
Sample Type: SLUDGE
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: AH/BC

| LAB NUMBER SAMPLE ID | REACTIVITY | | | |
|-----------------------------|------------------|------------------|---------------------|----------------------|
| | Sulfide
(ppm) | Cyanide
(ppm) | CORROSIVITY
(pH) | IGNITABILITY
(°F) |
| ANALYSIS DATE: | 12/14/00 | 12/14/00 | 12/16/00 | 12/16/00 |
| H5425-1 WASHBAY
SLUDGE | Not reactive | Not reactive | 8.63 | Nonflammable |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| Quality Control | NR | NR | 7.03 | NR |
| True Value QC | NR | NR | 7.00 | NR |
| % Recovery | NR | NR | 100 | NR |
| Relative Percent Difference | NR | NR | 0.1 | NR |

METHOD: EPA SW 846-7.3, 7.2, 1030 (proposed), 1311, 40 CFR 261



Chemist



Date

**ARDINAL
LABORATORIES**

PHONE (915) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
HALLIBURTON ENERGY SERVICES
ATTN: SCOTT NELSON
5801 LOVINGTON HWY.
HOBBS, NM 88240
FAX TO:

Receiving Date: 12/12/00
Reporting Date: 12/18/00
Project Number: NOT GIVEN
Project Name: WASHBAY SUMP
Project Location: BROWNFIELD YARD

Analysis Date: 12/16/00
Sampling Date: 12/12/00
Sample Type: SLUDGE
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: BC

| LAB NUMBER | SAMPLE ID | TPH
(mg/Kg) |
|-----------------------------|----------------|----------------|
| H5425-1 | WASHBAY SLUDGE | 19100 |
| | | |
| | | |
| | | |
| | | |
| | | |
| Quality Control | | 228 |
| True Value QC | | 240 |
| % Recovery | | 95.0 |
| Relative Percent Difference | | 4.0 |

METHOD: EPA 600/4-79-020 418.1

Bryan A. Cook
Chemist

12/18/00
Date

H5425T.XLS

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PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
HALLIBURTON ENERGY SERVICES
ATTN: SCOTT NELSON
5801 LOVINGTON HWY.
HOBBS, NM 88240
FAX TO:

Receiving Date: 12/12/00
Reporting Date: 12/14/00
Project Number: NOT GIVEN
Project Name: WASHBAY SUMP
Project Location: BROWNFIELD YARD
Sample ID: WASHBAY
Lab Number: H5425-1

Analysis Date: 12/13/00
Sampling Date: 12/12/00
Sample Type: SLUDGE
Sample Condition: COOL & INTACT
Sample Received By: AH
Analyzed By: BC

| TCLP SEMIVOLATILES (ppm) | EPA
LIMIT | Sample Result
H5425-1 | Method
Blank | QC | % Recov. | True Value
QC |
|--------------------------|--------------|--------------------------|-----------------|-------|----------|------------------|
| Pyridine | 5.00 | <0.020 | <0.005 | 0.011 | 22 | 0.050 |
| 1,4-Dichlorobenzene | 7.50 | <0.020 | <0.005 | 0.024 | 48 | 0.050 |
| o-Cresol | 200 | <0.020 | <0.005 | 0.033 | 66 | 0.050 |
| m, p-Cresol | 200 | <0.020 | <0.005 | 0.033 | 66 | 0.050 |
| Hexachloroethane | 3.00 | <0.020 | <0.005 | 0.021 | 42 | 0.050 |
| Nitrobenzene | 2.00 | <0.020 | <0.005 | 0.034 | 68 | 0.050 |
| Hexachloro-1,3-butadiene | 0.500 | <0.020 | <0.005 | 0.026 | 52 | 0.050 |
| 2,4,6-Trichlorophenol | 2.00 | <0.020 | <0.005 | 0.040 | 80 | 0.050 |
| 2,4,5-Trichlorophenol | 400 | <0.020 | <0.005 | 0.046 | 92 | 0.050 |
| 2,4-Dinitrotoluene | 0.130 | <0.020 | <0.005 | 0.046 | 92 | 0.050 |
| Hexachlorobenzene | 0.130 | <0.020 | <0.005 | 0.045 | 90 | 0.050 |
| Pentachlorophenol | 100 | <0.020 | <0.005 | 0.047 | 94 | 0.050 |

% RECOVERY

| | |
|----------------------|----|
| Fluorophenol | 51 |
| Phenol-d5 | 44 |
| Nitrobenzene-d5 | 99 |
| 2-Fluorobiphenyl | 68 |
| 2,4,6-Tribromophenol | 86 |
| Terphenyl-d14 | 91 |

METHODS: EPA SW 846-8270, 1311, 3510

Burgess J. A. Cooke
Burgess J. A. Cooke, Ph. D.

12/14/00
Date



ARDINAL LABORATORIES

PHONE (815) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
HALLIBURTON ENERGY SERVICES
ATTN: SCOTT NELSON
5801 LOVINGTON HWY.
HOBBS, NM 88240
FAX TO:

Receiving Date: 12/12/00
Reporting Date: 12/14/00
Project Number: NOT GIVEN
Project Name: WASHBAY SUMP
Project Location: BROWNFIELD YARD
Sample ID: WASHBAY
Lab Number: H5425-1

Analysis Date: 12/13/00
Sampling Date: 12/12/00
Sample Type: SLUDGE
Sample Condition: COOL & INTACT
Sample Received By: AH
Analyzed By: BC

| TCLP VOLATILES (ppm) | EPA
LIMIT | Sample Result
H5425-1 | Method
Blank | QC | %Recov. | True Value
QC |
|----------------------|--------------|--------------------------|-----------------|-------|---------|------------------|
| Vinyl Chloride | 0.20 | <0.005 | <0.005 | 0.108 | 108 | 0.100 |
| 1,1-Dichloroethylene | 0.7 | <0.005 | <0.005 | 0.089 | 89 | 0.100 |
| Methyl Ethyl Ketone | 200 | <0.050 | <0.050 | 0.083 | 83 | 0.100 |
| Chloroform | 6.0 | <0.005 | <0.005 | 0.089 | 89 | 0.100 |
| 1,2-Dichloroethane | 0.5 | <0.005 | <0.005 | 0.087 | 87 | 0.100 |
| Benzene | 0.5 | <0.005 | <0.005 | 0.088 | 88 | 0.100 |
| Carbon Tetrachloride | 0.5 | <0.005 | <0.005 | 0.092 | 92 | 0.100 |
| Trichloroethylene | 0.5 | <0.005 | <0.005 | 0.091 | 91 | 0.100 |
| Tetrachloroethylene | 0.7 | <0.005 | <0.005 | 0.099 | 99 | 0.100 |
| Chlorobenzene | 100 | <0.005 | <0.005 | 0.094 | 94 | 0.100 |
| 1,4-Dichlorobenzene | 7.5 | 0.007 | <0.005 | 0.104 | 104 | 0.100 |

% RECOVERY

| | |
|----------------------|----|
| Dibromofluoromethane | 83 |
| Toluene-d8 | 88 |
| Bromofluorobenzene | 92 |

METHODS: EPA SW 846-8260, 1311

Burgess J.A. Cooke
Burgess J.A. Cooke, Ph. D.

12/14/00
Date



ARDINAL LABORATORIES, INC.

2111 Beechwood, Abilene, TX 79603 101 East Marland, Hobbs, NM 88240
(915) 673-7001 Fax (915) 673-7020 (505) 393-2326 Fax (505) 393-2476

Page of

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

| | | | | | | | |
|--|--|------------------|--|-------------------|--|-------------------------|--|
| Company Name: HAULBURTON BUREAU | | P.O. #: | | BILL TO | | ANALYSIS REQUEST | |
| Project Manager: SPOTT NELSON | | Company: | | | | | |
| Address: 5801 LOUNGTOWN HWY | | Attn: | | | | | |
| City: HOBBS | | State: NM | | Zip: 88240 | | | |
| Phone #: | | Fax #: | | | | | |
| Project #: | | Project Owner: | | | | | |
| Project Name: WASTEWATER SLUMP | | State: | | Zip: | | | |
| Project Location: BROWN HILL WARD | | Phone #: | | | | | |
| Sampler Name: PORTER | | Fax #: | | | | | |

| FOR LAB USE ONLY | | MATRIX | | PRESERV | SAMPLING |
|------------------|-------------|-------------------|--------------|---------|----------|
| Lab I.D. | Sample I.D. | (G)RAB OR (C)OMP. | # CONTAINERS | | |
| | | GROUNDWATER | | | |
| | | WASTEWATER | | | |
| | | SOIL | | | |
| | | CRUDE OIL | | | |
| | | SLUDGE | | | |
| | | OTHER: | | | |
| | | ACID/BASE: | | | |
| | | ICE / COOL | | | |
| | | OTHER: | | | |
| | | DATE | | | |
| | | TIME | | | |

| | | | | | | | |
|----------------------------|---------------|-----|-------|------------------|------|--------|------------------------|
| Delivered By: (Circle One) | Sampler - UPS | Bus | Other | Sample Condition | Cool | Intact | Checked By: (Initials) |
| | | | | | | | |

| | | | | | |
|------------------|-------|-------|--------------------------|-------|-------|
| Relinquished By: | Date: | Time: | Received By: (Lab Staff) | Date: | Time: |
| | | | | | |

| | | | | |
|----------|--|--|----------------|--------------|
| REMARKS: | Phone Result: ☐ Yes ☐ No | Fax Result: ☐ Yes ☐ No | Add'l Phone #: | Add'l Fax #: |
| | | | | |

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476

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

RECEIVED

NOV 18 2002
Environmental Bureau
Oil Conservation Division

Form C-138
Revised March 17, 1999

Submit Original
Plus 1 Copy
to Appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

| | |
|---|------------------------------------|
| 1. RCRA Exempt: ☐ Non-Exempt: ☒
☐ Verbal Approval Received: Yes ☐ No ☒ | 4. Generator BJ Services |
| 2. Management Facility Destination Controlled Recovery Inc. | 5. Originating Site Hobbs Facility |
| 3. Address of Facility Operator P.O. Box 388, Hobbs | 6. Transporter Unknown |
| 7. Location of Material (Street Address or ULSTR) 2708 W. County Road | 8. State New Mexico |
| Hobbs, New Mexico | |
| 9. Circle One:
A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job.
B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved.
All transporters must certify the wastes delivered are only those consigned for transport. | |

BRIEF DESCRIPTION OF MATERIAL:

10-30-02

lead > 5 ppm

Water from test tank.

The PH was neutralized and retested. There was a hole in the tank, the tank was cleaned and is in isolation pending OCD approval. Enclosed is non-exempt certificate of waste status, analytical data, and chain of custody.



Estimated Volume appx. 100 ^{BBLs LT 11/6/02} yards cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE Carmella Van Maanen TITLE: Bookkeeper DATE: 10-30-02
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Carmella Van Maanen TELEPHONE NO: (505) 393-1079

(This space for State Use)

DENIED

APPROVED BY: _____ TITLE: _____ DATE: _____

APPROVED BY: _____ TITLE: _____ DATE: _____

1-200201

10/25/2002 10:24 15053933615

CONTROLLED RECOVERY

PAGE 02/02

**CERTIFICATE OF WASTE STATUS
NON-EXEMPT WASTE MATERIAL
"AS REQUIRED BY NEW MEXICO OIL CONSERVATION DIVISION"**

COMPANY / GENERATOR BJ ServicesADDRESS 2708 W. County Road, Hobbs, NM 88240GENERATING SITE Same as aboveCOUNTY Lea STATE NMTYPE OF WASTE Water from test tankESTIMATED VOLUME 100 bbls.GENERATING PROCESS Water used to test pumps on trucks.

REMARKS _____

NMOCD FACILITY Controlled Recovery, Inc.TRUCKING COMPANY Unknown

As a condition of acceptance for disposal, I hereby certify that this waste is a non-exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. To my knowledge, this waste will be analyzed pursuant to the provisions of 40 CFR Part 261 to verify the nature as non-hazardous. I further certify that to my knowledge "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has not been added or mixed with the waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, Sections 2613.

AGENT Chon Pivar

SIGNATURE

NAME Chon Pivar

PRINTED

ADDRESS 2708 W. County Rd.Hobbs, NM 88240DATE 10/28/02



PHONE (915) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
CONTROLLED RECOVERY, INC.
ATTN: DAVID PARSONS
P.O. BOX 388
HOBBS, NM 88241
FAX TO: (505) 393-3615

Receiving Date: 05/09/02
Reporting Date: 05/13/02
Project Owner: BJ SERVICES
Project Name: BJ SERVICES TEST TANK
Project Location: HOBBS, NM

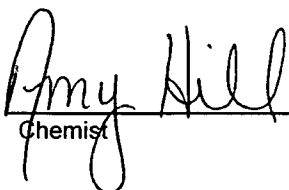
Sampling Date: 05/09/02
Sample Type: WASTEWATER
Sample Condition: COOL & INTACT
Sample Received By: AH
Analyzed By: AH

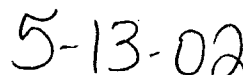
TCLP METALS

| LAB NO. | SAMPLE ID | As
ppm | Ag
ppm | Ba
ppm | Cd
ppm | Cr
ppm | Pb
ppm | Hg
ppm | Se
ppm |
|---------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
|---------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|

| | | | | | | | | | |
|-----------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| ANALYSIS DATE: | 05/13/02 | 05/13/02 | 05/13/02 | 05/13/02 | 05/13/02 | 05/13/02 | 05/13/02 | 05/13/02 | 05/13/02 |
| EPA LIMITS: | 5 | 5 | 100 | 1 | 5 | 5 | 0.2 | 1 | |
| H6726-1 | 1 | <1 | <1 | <5 | <0.1 | <1 | 7.48 | <0.02 | <0.1 |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| Quality Control | 0.050 | 5.008 | 21.38 | 1.024 | 4.876 | 4.990 | 0.00198 | 0.054 | |
| True Value QC | 0.050 | 5.000 | 25.00 | 1.000 | 5.000 | 5.000 | 0.00200 | 0.050 | |
| % Recovery | 100 | 100 | 85.5 | 102 | 97.5 | 99.8 | 99.0 | 108 | |
| Relative Standard Deviation | 1.6 | 0.2 | 4.1 | 0.3 | 0.3 | 0.5 | 1.0 | 2.5 | |

| | | | | | | | | | |
|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|--|
| METHODS: EPA 1311, 600/4-79 | 206.2 | 272.1 | 208.1 | 213.1 | 218.1 | 239.1 | 245.1 | 270.2 | |
|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|--|


Chemist


Date

H6726
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ANALYTICAL RESULTS FOR
CONTROLLED RECOVERY, INC.
ATTN: DAVID PARSONS
P.O. BOX 388
HOBBS, NM 88241
FAX TO: (505) 393-1079

Receiving Date: 10/22/02
Reporting Date: 10/23/02
Project Owner: BJ SERVICES
Project Name: TEST TANK
Project Location: HOBBS YARD

Analysis Date: 10/22/02
Sampling Date: 10/22/02
Sample Type: SLUDGE
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: AH

| LAB NUMBER | SAMPLE ID | pH
(s.u.) |
|-----------------------------|-----------|--------------|
| H7152-1 | 1 | 8.00 |
| | | |
| | | |
| | | |
| | | |
| | | |
| Quality Control | | 6.97 |
| True Value QC | | 7.00 |
| % Recovery | | 99.6 |
| Relative Percent Difference | | 0.1 |

METHOD: EPA 600/4-79-020, 150.1

Amy Hill
Chemist

10-23-02
Date



2111 Beechwood, Abilene, TX 79603 101 East Marland, Hobbs, NM 88240
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Page ____ of ____

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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ANALYTICAL RESULTS FOR
CONTROLLED RECOVERY, INC.
ATTN: DAVID PARSONS
P.O. BOX 388
HOBBS, NM 88241

FAX TO: (505) 393-3615

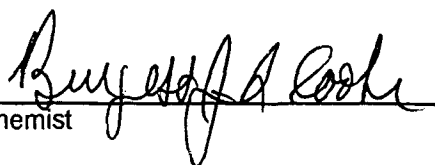
Receiving Date: 05/09/02
Reporting Date: 05/10/02
Project Number: NOT GIVEN
Project Name: BJ SERVICES-TEST TANK
Project Location: HOBBS, NM

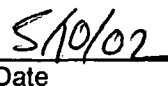
Sampling Date: 05/09/02
Sample Type: WASTEWATER
Sample Condition: COOL & INTACT
Sample Received By: AH
Analyzed By: AH/BC

LAB NO. SAMPLE ID **REACTIVITY**
Sulfide Cyanide CORROSIVITY IGNITABILITY
(ppm) (ppm) (pH) (°F)

| | | | | |
|-----------------------------|--------------|--------------|----------|----------|
| ANALYSIS DATE: | 05/10/02 | 05/10/02 | 05/10/02 | 05/10/02 |
| H6726-1 1 | Not reactive | Not reactive | 0.95 | >140 |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| Quality Control | NR | NR | 6.96 | NR |
| True Value QC | NR | NR | 7.00 | NR |
| % Recovery | NR | NR | 99.4 | NR |
| Relative Percent Difference | NR | NR | 0.3 | NR |

METHOD: EPA SW-846 7.3, 7.2, 1010, 1311, 40 CFR 261


Chemist


Date

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H6726R.XLS



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ANALYTICAL RESULTS FOR
CONTROLLED RECOVERY, INC.
ATTN: DAVID PARSONS
P.O. BOX 388
HOBBS, NM 88241
FAX TO: (505) 393-3615

Receiving Date: 05/09/02
Reporting Date: 05/10/02
Project Number: NOT GIVEN
Project Name: BJ SERVICES-TEST TANK
Project Location: HOBBS, NM
Lab Number: H6726-1
Sample ID: 1

Analysis Date: 05/09/02
Sampling Date: 05/09/02
Sample Type: WASTEWATER
Sample Condition: COOL & INTACT
Sample Received By: AH
Analyzed By: BC

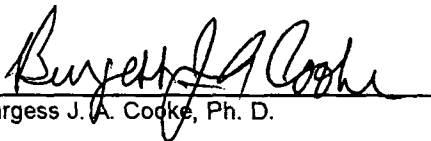
| TCLP SEMIVOLATILES (ppm) | EPA
LIMIT | Sample Result
H6726-1 | Method
Blank | QC | % Recov. | True Value
QC |
|--------------------------|--------------|--------------------------|-----------------|-------|----------|------------------|
| Pyridine | 5.00 | <0.100 | <0.005 | 0.021 | 42 | 0.050 |
| 1,4-Dichlorobenzene | 7.50 | <0.100 | <0.005 | 0.040 | 80 | 0.050 |
| o-Cresol | 200 | 0.122 | <0.005 | 0.040 | 80 | 0.050 |
| m, p-Cresol | 200 | <0.100 | <0.005 | 0.037 | 74 | 0.050 |
| Hexachloroethane | 3.00 | <0.100 | <0.005 | 0.039 | 78 | 0.050 |
| Nitrobenzene | 2.00 | <0.100 | <0.005 | 0.048 | 96 | 0.050 |
| Hexachloro-1,3-butadiene | 0.500 | <0.100 | <0.005 | 0.048 | 96 | 0.050 |
| 2,4,6-Trichlorophenol | 2.00 | <0.100 | <0.005 | 0.053 | 106 | 0.050 |
| 2,4,5-Trichlorophenol | 400 | <0.100 | <0.005 | 0.055 | 110 | 0.050 |
| 2,4-Dinitrotoluene | 0.130 | <0.100 | <0.005 | 0.055 | 110 | 0.050 |
| Hexachlorobenzene | 0.130 | <0.100 | <0.005 | 0.054 | 108 | 0.050 |
| Pentachlorophenol | 100 | <0.100 | <0.005 | 0.054 | 108 | 0.050 |

% RECOVERY

| | |
|----------------------|----|
| Fluorophenol | 80 |
| Phenol-d5 | 85 |
| Nitrobenzene-d5 | 71 |
| 2-Fluorobiphenyl | 78 |
| 2,4,6-Tribromophenol | 79 |
| Terphenyl-d14 | 85 |

METHODS: EPA SW-846 1311, 8270, 3510

NOTE: Matrix interference (high level of 2-Butoxyethanol) observed; dilution required.


Burgess J. A. Cooke, Ph. D.


Date

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ANALYTICAL RESULTS FOR
CONTROLLED RECOVERY, INC.
ATTN: DAVID PARSONS
P.O. BOX 388
HOBBS, NM 88241
FAX TO: (505) 393-3615

Receiving Date: 05/09/02
Reporting Date: 05/10/02
Project Number: NOT GIVEN
Project Name: BJ SERVICES-TEST TANK
Project Location: HOBBS, NM
Lab Number: H6726-1
Sample ID: 1

Analysis Date: 05/09/02
Sampling Date: 05/09/02
Sample Type: WASTEWATER
Sample Condition: COOL & INTACT
Sample Received By: AH
Analyzed By: BC

| TCLP VOLATILES (ppm) | EPA
LIMIT | Sample Result
H6726-1 | Method
Blank | QC | %Recov. | True Value
QC |
|----------------------|--------------|--------------------------|-----------------|-------|---------|------------------|
| Vinyl Chloride | 0.20 | <0.005 | <0.005 | 0.095 | 95 | 0.100 |
| 1,1-Dichloroethylene | 0.7 | <0.005 | <0.005 | 0.104 | 104 | 0.100 |
| Methyl Ethyl Ketone | 200 | 0.174 | <0.050 | 0.115 | 115 | 0.100 |
| Chloroform | 6.0 | <0.005 | <0.005 | 0.100 | 100 | 0.100 |
| 1,2-Dichloroethane | 0.5 | <0.005 | <0.005 | 0.103 | 103 | 0.100 |
| Benzene | 0.5 | <0.005 | <0.005 | 0.096 | 96 | 0.100 |
| Carbon Tetrachloride | 0.5 | <0.005 | <0.005 | 0.093 | 93 | 0.100 |
| Trichloroethylene | 0.5 | <0.005 | <0.005 | 0.096 | 96 | 0.100 |
| Tetrachloroethylene | 0.7 | <0.005 | <0.005 | 0.087 | 87 | 0.100 |
| Chlorobenzene | 100 | <0.005 | <0.005 | 0.095 | 95 | 0.100 |
| 1,4-Dichlorobenzene | 7.5 | 0.007 | 0.010 | 0.098 | 98 | 0.100 |

% RECOVERY

| | |
|----------------------|-----|
| Dibromofluoromethane | 111 |
| Toluene-d8 | 109 |
| Bromofluorobenzene | 114 |

METHODS: EPA SW 846-8260, 1311

Burgess J.A. Copke, Ph. D.

Date 5/10/02

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101 East Marland, Hobbs, NM 88240

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 1 of 1

Company Name:

Project Manager:

Address:

City:

Phone #:

Project #:

Project Location:

Sampler Name:

FOR LAB USE ONLY

Lab I.D.

Sample I.D.

H6786-1

1

(G)RAB OR (C)OMP.

CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER:

ACID/BASE:

ICE / COOL

OTHER:

DATE

TIME

5-9-02

2:50 pm

TCLP

RCI

PLEASE NOTE: Liability and Damage, Cardinal's liability and client's exclusion, hereby, for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analysis. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable analysis. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of data, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or resulting in the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated remedies or otherwise.

Sampler Relinquished:

Date: 5-9-02

Received By:

Phone Result:

Fax Result:

Yes No

Yes No

REMARKS:

Relinquished By:

Date:

Time: 3:20 PM

Received By: (Lab Staff)

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:

Sample Condition

Temp. °C

Intact?

By: (Initials)

No

Yes

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 01 of 01

| | | | |
|--|---|--|---|
| Company Name: <u>CRIT</u>
Project Manager: <u>David Parsons</u>
Address: <u>Box 388</u>
City: <u>Hobbs</u> State: <u>NM</u> Zip: <u>88241</u>
Phone #: <u>505-393-1079</u> Fax #: <u>505-393-3615</u>
Project #: <u>BT Services - Test Tank</u>
Project Location: <u>Abilene</u>
Sample Name: <u>David Parsons</u> | | P.O. #:
Company: <u>CRIT</u>
Att:
Address:
City:
State:
Zip:
Phone #:
Fax #: | |
| FOR LAB USE ONLY | | | |
| Lab I.D.

Sample I.D. | Matrix
☐ GROUNDWATER
☐ WASTEWATER
☐ SOIL
☐ OIL
☐ SLUDGE
☐ OTHER: | Preserv.
☐ ACID/BASE
☐ ICE / COOL
☐ OTHER: | SAMPLING
DATE
TIME |
| | | | |
| H6786-1 | 1 | 1 | 5-9-02 2:50 pm |
| ANALYSIS REQUEST | | | |
| I have read and understand the above information and agree to the charges on this account. I agree to pay the bill due at the rate of 25% per month from the original date of billing and all costs of collection, including attorney's fees. | | | |
| Delivered By: (Circle One)
Sampler - UPS - Bus - Other: | | Received By: (Lab Staff)
Sample Condition: <u>Intact</u>
Temp. <u>5-9-02</u> <u>44</u>
Checked By: (Print Name) | |
| Reinforced By: | | Phone Results: ☐ Yes ☐ No
Fast Results: ☐ Yes ☐ No
Remarks: | |

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PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
CONTROLLED RECOVERY, INC.
ATTN: DAVID PARSONS
P.O. BOX 388
HOBBS, NM 88241
FAX TO: (505) 393-3815

Receiving Date: 05/09/02
Reporting Date: 05/10/02
Project Number: NOT GIVEN
Project Name: BJ SERVICES-TEST TANK
Project Location: HOBBS, NM
Lab Number: H6726-1
Sample ID: 1

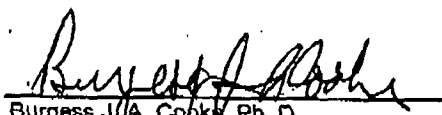
Analysis Date: 05/09/02
Sampling Date: 05/09/02
Sample Type: WASTEWATER
Sample Condition: COOL & INTACT
Sample Received By: AH
Analyzed By: BC

| TCLP VOLATILES (ppm) | EPA
LIMIT | Sample Result
H6726-1 | Method
Blank | QC | %Recov. | True Value
QC |
|----------------------|--------------|--------------------------|-----------------|-------|---------|------------------|
| Vinyl Chloride | 0.20 | <0.005 | <0.005 | 0.095 | 95 | 0.100 |
| 1,1-Dichloroethylene | 0.7 | <0.005 | <0.005 | 0.104 | 104 | 0.100 |
| Methyl Ethyl Ketone | 200 | 0.174 | <0.050 | 0.115 | 115 | 0.100 |
| Chloroform | 6.0 | <0.005 | <0.005 | 0.100 | 100 | 0.100 |
| 1,2-Dichloroethane | 0.5 | <0.006 | <0.005 | 0.103 | 103 | 0.100 |
| Benzene | 0.5 | <0.005 | <0.005 | 0.096 | 96 | 0.100 |
| Carbon Tetrachloride | 0.5 | <0.005 | <0.005 | 0.093 | 93 | 0.100 |
| Trichloroethylene | 0.5 | <0.005 | <0.005 | 0.096 | 96 | 0.100 |
| Tetrachloroethylene | 0.7 | <0.005 | <0.005 | 0.087 | 87 | 0.100 |
| Chlorobenzene | 100 | <0.005 | <0.005 | 0.095 | 95 | 0.100 |
| 1,4-Dichlorobenzene | 7.5 | 0.007 | 0.010 | 0.098 | 98 | 0.100 |

% RECOVERY

| | |
|----------------------|-----|
| Dibromofluoromethane | 111 |
| Toluene-d8 | 109 |
| Bromofluorobenzene | 114 |

METHODS: EPA SW 846-8260, 1311


Burgess J. A. Cooke, Ph. D.


Date

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ANALYTICAL RESULTS FOR
CONTROLLED RECOVERY, INC.
ATTN: DAVID PARSONS
P.O. BOX 388
HOBBS, NM 88241
FAX TO: (505) 393-3615

Receiving Date: 05/09/02
Reporting Date: 05/10/02
Project Number: NOT GIVEN
Project Name: BJ SERVICES-TEST TANK
Project Location: HOBBS, NM
Lab Number: H6726-1
Sample ID: 1

Analysis Date: 05/09/02
Sampling Date: 05/09/02
Sample Type: WASTEWATER
Sample Condition: COOL & INTACT
Sample Received By: AH
Analyzed By: BC

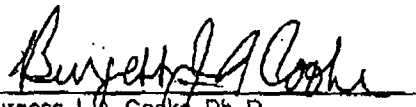
| TCLP SEMIVOLATILES (ppm) | EPA
LIMIT | Sample Result
H6726-1 | Method
Blank | QC | % Recov. | True Value
QC |
|--------------------------|--------------|--------------------------|-----------------|-------|----------|------------------|
| Pyridine | 5.00 | <0.100 | <0.005 | 0.021 | 42 | 0.050 |
| 1,4-Dichlorobenzene | 7.50 | <0.100 | <0.005 | 0.040 | 80 | 0.050 |
| o-Cresol | 200 | 0.122 | <0.005 | 0.040 | 80 | 0.050 |
| m, p-Cresol | 200 | <0.100 | <0.005 | 0.037 | 74 | 0.050 |
| Hexachloroethane | 3.00 | <0.100 | <0.005 | 0.039 | 78 | 0.050 |
| Nitrobenzene | 2.00 | <0.100 | <0.005 | 0.048 | 96 | 0.050 |
| Hexachloro-1,3-butadiene | 0.500 | <0.100 | <0.005 | 0.048 | 96 | 0.050 |
| 2,4,6-Trichlorophenol | 2.00 | <0.100 | <0.005 | 0.053 | 106 | 0.050 |
| 2,4,5-Trichlorophenol | 400 | <0.100 | <0.005 | 0.055 | 110 | 0.050 |
| 2,4-Dinitrotoluene | 0.130 | <0.100 | <0.005 | 0.055 | 110 | 0.050 |
| Hexachlorobenzene | 0.130 | <0.100 | <0.005 | 0.054 | 108 | 0.050 |
| Pentachlorophenol | 100 | <0.100 | <0.005 | 0.054 | 108 | 0.050 |

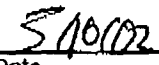
% RECOVERY

| | |
|----------------------|----|
| Fluorophenol | 80 |
| Phenol-d5 | 85 |
| Nitrobenzene-d5 | 71 |
| 2-Fluorobiphenyl | 78 |
| 2,4,6-Tribromophenol | 79 |
| Terphenyl-d14 | 85 |

METHODS: EPA SW-846 1311, 8270, 3510

NOTE: Matrix interference (high level of 2-Butoxyethanol) observed; dilution required.


Burgess J. A. Cooke, Ph. D.


Date

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PHONE (915) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
CONTROLLED RECOVERY, INC.

ATTN: DAVID PARSONS

P.O. BOX 388

HOBBS, NM 88241

FAX TO: (505) 393-3615

Receiving Date: 05/09/02

Reporting Date: 05/10/02

Project Number: NOT GIVEN

Project Name: BJ SERVICES-TEST TANK

Project Location: HOBBS, NM

Sampling Date: 05/09/02

Sample Type: WASTEWATER

Sample Condition: COOL & INTACT

Sample Received By: AH

Analyzed By: AH/BC

| LAB NO. | SAMPLE ID | REACTIVITY | | | |
|---------|-----------|------------------|------------------|---------------------|----------------------|
| | | Sulfide
(ppm) | Cyanide
(ppm) | CORROSIVITY
(pH) | IGNITABILITY
(°F) |

| | | | | |
|-----------------------------|--------------|--------------|----------|----------|
| ANALYSIS DATE: | 05/10/02 | 05/10/02 | 05/10/02 | 05/10/02 |
| H6726-1 1 | Not reactive | Not reactive | 0.95 | >140 |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| Quality Control | NR | NR | 6.96 | NR |
| True Value QC | NR | NR | 7.00 | NR |
| % Recovery | NR | NR | 99.4 | NR |
| Relative Percent Difference | NR | NR | 0.3 | NR |

METHOD: EPA SW-846 7.3, 7.2, 1010, 1311, 40 CFR 261

Chemist

Date

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise.



PHONE (915) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

PHONE (505) 393-2328 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
CONTROLLED RECOVERY, INC.

ATTN: DAVID PARSONS

P.O. BOX 388

HOBBS, NM 88241

FAX TO: (505) 393-3615

Receiving Date: 05/09/02

Reporting Date: 05/13/02

Project Owner: BJ SERVICES

Project Name: BJ SERVICES TEST TANK

Project Location: HOBBS, NM

Sampling Date: 05/09/02

Sample Type: WASTEWATER

Sample Condition: COOL & INTACT

Sample Received By: AH

Analyzed By: AH

TCLP METALS

| LAB NO. | SAMPLE ID | As
ppm | Ag
ppm | Ba
ppm | Cd
ppm | Cr
ppm | Pb
ppm | Hg
ppm | Se
ppm |
|---------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
|---------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|

| | | | | | | | | | |
|-----------------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| ANALYSIS DATE: | 05/13/02 | 05/13/02 | 05/13/02 | 05/13/02 | 05/13/02 | 05/13/02 | 05/13/02 | 05/13/02 | 05/13/02 |
| EPA LIMITS: | 5 | 5 | 100 | 1 | 5 | 5 | 0.2 | 1 | |
| H6726-1 | 1 | <1 | <1 | <5 | <0.1 | <1 | 7.48 | <0.02 | <0.1 |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| Quality Control | 0.050 | 5.008 | 21.38 | 1.024 | 4.876 | 4.890 | 0.00198 | 0.054 | |
| True Value QC | 0.050 | 5.000 | 25.00 | 1.000 | 5.000 | 5.000 | 0.00200 | 0.050 | |
| % Recovery | 100 | 100 | 85.5 | 102 | 97.5 | 99.8 | 99.0 | 108 | |
| Relative Standard Deviation | 1.8 | 0.2 | 4.1 | 0.3 | 0.3 | 0.5 | 1.0 | 2.5 | |

| | | | | | | | | | |
|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|--|
| METHODS: EPA 1311, 800/4-79 | 206.2 | 272.1 | 208.1 | 213.1 | 218.1 | 239.1 | 245.1 | 270.2 | |
|-----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|--|

Amy Hill
Chemist

5-13-02
Date

H6726
PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. At claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise.

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

RECEIVED

DEC 02 2002

Environmental Bureau
Oil Conservation Division

Form C-138
Revised March 17, 1999

Submit Original
Plus 1 Copy
to Appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

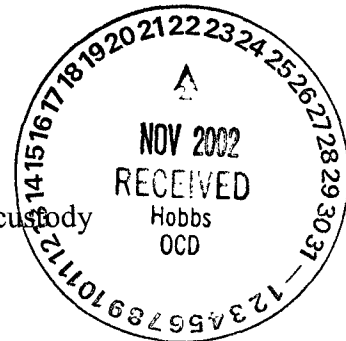
| | |
|---|---|
| 1. RCRA Exempt: ☐ Non-Exempt: ☒
☐ Verbal Approval Received: Yes ☐ No ☒ | 4. Generator Schlumberger Wireline
And Testing |
| 2. Management Facility Destination Controlled Recovery Inc. | 5. Originating Site Hobbs Facility |
| 3. Address of Facility Operator P.O. Box 388, Hobbs | 6. Transporter CRI |
| 7. Location of Material (Street Address or ULSTR) 2527 West Bender, Hobbs | 8. State New Mexico |
| 9. <u>Circle One</u> :
A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job.
B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved.
All transporters must certify the wastes delivered are only those consigned for transport. | |

BRIEF DESCRIPTION OF MATERIAL:

11-22-02B

Wash Bay Sump Testing generated from equipment and tool washing.

Enclosed is non-exempt certificate of waste status, analytical data, and chain of custody to extend this process until November 30, 2003.



Estimated Volume appx. 400 bbls. annually cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE Carmella Van Maanen TITLE: Bookkeeper DATE: 11-22-02
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Carmella Van Maanen TELEPHONE NO: (505) 393-1079

(This space for State Use)

APPROVED BY: [Signature] TITLE: Enviro Eng DATE: 11/25/02
APPROVED BY: [Signature] TITLE: Environmental Geologist DATE: 12/2/02

11-22-02B

CERTIFICATE OF WASTE STATUS
NON-EXEMPT WASTE MATERIAL
"AS REQUIRED BY NEW MEXICO OIL CONSERVATION DIVISION"

COMPANY / GENERATOR Schlumberger Wireline and Testing

ADDRESS P.O. Box 1770, Hobbs, NM 88241

GENERATING SITE 2527 West Bender, Hobbs, NM 88240

COUNTY Lea STATE NM

TYPE OF WASTE Wash Bay Sump Testings

ESTIMATED VOLUME 400 BBL'S ANNUAL

GENERATING PROCESS Equipment + Tool Wash

REMARKS Hobbs - Testing

NMOCD FACILITY Controlled Recovery, Inc.

TRUCKING COMPANY MacLuskey Oilfield Services

As a condition of acceptance for disposal, I hereby certify that this waste is a non-exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. To my knowledge, this waste will be analyzed pursuant to the provisions of 40 CFR Part 261 to verify the nature as non-hazardous. I further certify that to my knowledge "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has not been added or mixed with the waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 48 CFR, Sections 2613.

AGENT [Signature]

SIGNATURE

NAME Butch Wood

PRINTED

ADDRESS P.O. Box 1770

Hobbs, NM 88241

DATE 11-19-02



Pace Analytical Services, Inc.
900 Gemini Avenue
Houston, TX 77058
Phone: 281.488.1810
Fax: 281.488.4661

August 12, 2002

Mr. Butch Wood
Schlumberger
2527 West Bender
Hobbs, NM 88240

RE: Lab Project Number: 8528791
Client Project ID: Wash Bay Sump Testings/ Hobbs

Dear Mr. Wood:

Enclosed are the analytical results for sample(s) received by the Laboratory on July 27, 2002. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report please feel free to contact me.

Sincerely,



Paula Kirtley
pkirtley@pacelabs.com
Project Manager

Enclosures

REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc.





Pace Analytical Services, Inc.

900 Gemini Avenue

Houston, TX 77058

Phone: 281.488.1810

Fax: 281.488.4661

Lab Project Number: 8528791

Client Project ID: Wash Bay Sump Testings/ Hobbs

Solid results are reported on a wet weight basis

Lab Sample No: 851762997

Project Sample Number: 8528791-001

Date Collected: 07/26/02 16:00

Client Sample ID: WASH BAY SUMP SLUDGE/TESTING

Matrix: Soil

Date Received: 07/27/02 10:15

| Parameters | Results | Units | Report Limit | DF | Analyzed | By | CAS No. | Qual | ReqLmt |
|------------|---------|-------|--------------|----|----------|----|---------|------|--------|
|------------|---------|-------|--------------|----|----------|----|---------|------|--------|

Metals

TCLP on Solid, ICP Metals

Prep/Method: EPA 3010 / EPA 6010

| | | | | | | | | | |
|---------------|------|------|--------|------|----------|------|-----------|-----|--|
| Arsenic | ND | mg/l | 0.500 | 10.0 | 08/08/02 | PBAR | 7440-38-2 | 5 | |
| Barium | 2.09 | mg/l | 0.100 | 10.0 | 08/08/02 | PBAR | 7440-39-3 | 100 | |
| Cadmium | ND | mg/l | 0.0500 | 10.0 | 08/08/02 | PBAR | 7440-43-9 | 1 | |
| Chromium | ND | mg/l | 0.0500 | 10.0 | 08/08/02 | PBAR | 7440-47-3 | 5 | |
| Lead | ND | mg/l | 0.500 | 10.0 | 08/08/02 | PBAR | 7439-92-1 | 5 | |
| Selenium | ND | mg/l | 0.500 | 10.0 | 08/08/02 | PBAR | 7782-49-2 | 1 | |
| Silver | ND | mg/l | 0.500 | 10.0 | 08/08/02 | PBAR | 7440-22-4 | 5 | |
| Date Digested | | | | | 08/07/02 | | | | |

Mercury, TCLP Leachate, Solid

Prep/Method: EPA 7470 / EPA 7470

| | | | | | | | | | |
|---------|----|------|---------|-----|----------------|------|-----------|-----|--|
| Mercury | ND | mg/l | 0.00600 | 1.0 | 08/07/02 10:07 | BKIR | 7439-97-6 | 0.2 | |
|---------|----|------|---------|-----|----------------|------|-----------|-----|--|

Volatiles, TCLP Leach, Solid

Method: EPA 8260

| | | | | | | | | | |
|--------------|-------|--|--|-----|----------------|------|--|--|--|
| Date Leached | 81000 | | | 1.0 | 08/05/02 16:00 | CHAR | | | |
|--------------|-------|--|--|-----|----------------|------|--|--|--|

Wet Chemistry

TPH by EPA Method 418.1 Mod

Prep/Method: EPA 3540 / EPA 418.1 Modified

| | | | | | | | | | |
|------------------------------|-------|-------|------|------|----------------|------|--|--|--|
| Total Petroleum Hydrocarbons | 62700 | mg/kg | 4940 | 98.8 | 08/09/02 17:15 | AFER | | | |
|------------------------------|-------|-------|------|------|----------------|------|--|--|--|

Cyanide, Reactive

Method: SW-846 7.3.3.2

| | | | | | | | | | |
|-------------------|----|-------|-------|-----|----------------|------|--|-----|--|
| Cyanide, Reactive | ND | mg/kg | 0.476 | 1.0 | 08/08/02 15:15 | TWES | | 250 | |
|-------------------|----|-------|-------|-----|----------------|------|--|-----|--|

Sulfide, Reactive

Method: SW-846 7.3.4.2

| | | | | | | | | | |
|-------------------|------|-------|------|-----|----------------|------|--|-----|--|
| Sulfide, Reactive | 71.4 | mg/kg | 47.6 | 1.0 | 08/08/02 13:30 | HFEB | | 500 | |
|-------------------|------|-------|------|-----|----------------|------|--|-----|--|

pH for Corrosivity

Method: EPA 9040

| | | | | | | | | | |
|----|------|--|--|-----|----------------|------|--|--|--|
| pH | 7.80 | | | 1.0 | 08/06/02 09:00 | CSAN | | | |
|----|------|--|--|-----|----------------|------|--|--|--|

Ignitability, Solid Matrix

Method: 40CFR 261.21

| | | | | | | | | | |
|-----------------------|----|-------|--|-----|----------------|------|--|--|--|
| Ignites spontaneously | no | deg F | | 1.0 | 07/31/02 13:00 | CSAN | | | |
| Ignites with moisture | no | deg F | | 1.0 | 07/31/02 13:00 | CSAN | | | |
| Ignites when agitated | no | deg F | | 1.0 | 07/31/02 13:00 | CSAN | | | |
| Ignites by flame | no | deg F | | 1.0 | 07/31/02 13:00 | CSAN | | | |

GC/MS Semivolatiles

SW8270 Semivolatiles, TCLP

Prep/Method: EPA 3510 / EPA 8270

Date: 08/12/02

Page: 1



Pace Analytical Services, Inc.

900 Gemini Avenue

Houston, TX 77058

Phone: 281.488.1810

Fax: 281.488.4661

Lab Project Number: 8528791

Client Project ID: Wash Bay Sump Testings/ Hobbs

Lab Sample No: 851762997

Project Sample Number: 8528791-001

Date Collected: 07/26/02 16:00

Client Sample ID: WASH BAY SUMP SLUDGE/TESTING

Matrix: Soil

Date Received: 07/27/02 10:15

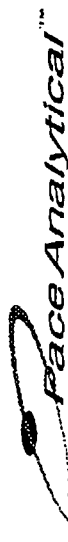
| Parameters | Results | Units | Report Limit | DF | Analyzed | By | CAS No. | Qual | RegLmt |
|---------------------------|---------|-------|--------------|-----|----------------|------|------------|------|--------|
| 1,4-Dichlorobenzene | ND | mg/l | 0.010 | 1.0 | 08/06/02 22:35 | JOSE | 106-46-7 | | 7.5 |
| 2,4,6-Trichlorophenol | ND | mg/l | 0.010 | 1.0 | 08/06/02 22:35 | JOSE | 88-06-2 | | 2 |
| 2,4,5-Trichlorophenol | ND | mg/l | 0.010 | 1.0 | 08/06/02 22:35 | JOSE | 95-95-4 | | 400 |
| 2,4-Dinitrotoluene | ND | mg/l | 0.010 | 1.0 | 08/06/02 22:35 | JOSE | 121-14-2 | | 0.13 |
| 2-Methylphenol (o-Cresol) | ND | mg/l | 0.010 | 1.0 | 08/06/02 22:35 | JOSE | 95-48-7 | | 200 |
| 3-Methylphenol (m-Cresol) | ND | mg/l | 0.010 | 1.0 | 08/06/02 22:35 | JOSE | 108-39-4 | | 200 |
| 4-Methylphenol (p-Cresol) | ND | mg/l | 0.010 | 1.0 | 08/06/02 22:35 | JOSE | 106-44-5 | 1 | 200 |
| Hexachlorobenzene | ND | mg/l | 0.010 | 1.0 | 08/06/02 22:35 | JOSE | 118-74-1 | | 0.13 |
| Hexachloro-1,3-butadiene | ND | mg/l | 0.010 | 1.0 | 08/06/02 22:35 | JOSE | 87-68-3 | | 0.5 |
| Hexachloroethane | ND | mg/l | 0.010 | 1.0 | 08/06/02 22:35 | JOSE | 67-72-1 | | 3 |
| Nitrobenzene | ND | mg/l | 0.010 | 1.0 | 08/06/02 22:35 | JOSE | 98-95-3 | | 2 |
| Pentachlorophenol | ND | mg/l | 0.050 | 1.0 | 08/06/02 22:35 | JOSE | 87-86-5 | | 100 |
| Pyridine | ND | mg/l | 0.010 | 1.0 | 08/06/02 22:35 | JOSE | 110-86-1 | | 5 |
| Nitrobenzene-d5 (S) | 40 | % | | 1.0 | 08/06/02 22:35 | JOSE | 4165-60-0 | | |
| 2-Fluorobiphenyl (S) | 49 | % | | 1.0 | 08/06/02 22:35 | JOSE | 321-60-8 | | |
| Terphenyl-d14 (S) | 49 | % | | 1.0 | 08/06/02 22:35 | JOSE | 1718-51-0 | | |
| Phenol-d6 (S) | 37 | % | | 1.0 | 08/06/02 22:35 | JOSE | 13127-88-3 | | |
| 2-Fluorophenol (S) | 44 | % | | 1.0 | 08/06/02 22:35 | JOSE | 367-12-4 | | |
| 2,4,6-Tribromophenol (S) | 42 | % | | 1.0 | 08/06/02 22:35 | JOSE | | | |
| Date Extracted | | | | | 08/06/02 | | | | |

GC/MS Volatiles

Volatiles, TCLP Leach, Solid

Method: EPA 8260

| | | | | | | | | | |
|---------------------------|-----|------|-------|------|----------------|-----|------------|--|-----|
| 1,1-Dichloroethene | ND | mg/l | 0.050 | 10.0 | 08/06/02 16:56 | EAD | 75-35-4 | | 0.7 |
| 1,2-Dichloroethane | ND | mg/l | 0.050 | 10.0 | 08/06/02 16:56 | EAD | 107-06-2 | | 0.5 |
| 2-Butanone (MEK) | ND | mg/l | 0.10 | 10.0 | 08/06/02 16:56 | EAD | 78-93-3 | | 200 |
| Benzene | ND | mg/l | 0.050 | 10.0 | 08/06/02 16:56 | EAD | 71-43-2 | | 0.5 |
| Carbon tetrachloride | ND | mg/l | 0.050 | 10.0 | 08/06/02 16:56 | EAD | 56-23-5 | | 0.5 |
| Chlorobenzene | ND | mg/l | 0.050 | 10.0 | 08/06/02 16:56 | EAD | 108-90-7 | | 100 |
| Chloroform | ND | mg/l | 0.050 | 10.0 | 08/06/02 16:56 | EAD | 67-66-3 | | 6 |
| Tetrachloroethene | ND | mg/l | 0.050 | 10.0 | 08/06/02 16:56 | EAD | 127-18-4 | | 0.7 |
| Trichloroethene | ND | mg/l | 0.050 | 10.0 | 08/06/02 16:56 | EAD | 79-01-6 | | 0.5 |
| Vinyl chloride | ND | mg/l | 0.10 | 10.0 | 08/06/02 16:56 | EAD | 75-01-4 | | 0.2 |
| 1,2-Dichloroethane-d4 (S) | 90 | % | | 1.0 | 08/06/02 16:56 | EAD | 17060-07-0 | | |
| Toluene-d8 (S) | 94 | % | | 1.0 | 08/06/02 16:56 | EAD | 2037-26-5 | | |
| 4-Bromofluorobenzene (S) | 100 | % | | 1.0 | 08/06/02 16:56 | EAD | 460-00-4 | | |



Client: Schlumberger

Address: 2527 West Bender

Hobbs, NM 88240

Phone #: 505-393-4107

Fax #: 505-393-3835

E-Mail: woodruff@midlandoilfield.slb.com

CHAIN-OF-CUSTODY RECORD Analytical Request

Pace Client No.:

Pace Project Manager: Paula Kirtley

Profile:

* Requested Due Date:

Report To:

Bill To:

P.O.# / Billing Reference: 1-3795

Project Name / No.: Wash Bay Sump Sludge Testing

Sampled By (Print): Butch Moore

Sampler Signature: Butch Moore

851/2

852 8791

| ITEM NO. | SAMPLE DESCRIPTION | DATE | TIME | MATRIX | PACEN O. | PRESERVATIVES | | | | | | | | | | | ANALYSES REQUESTED | | | | | | | | | | | Bottle Type | Remarks | |
|----------|--------------------|------|------|--------|----------|---------------|-------------|-------|------|------|-----|--------|----------------|---------------|-------------|-----------|--------------------|--|--|--|--|--|--|--|--|--|--|-------------|---------|
| | | | | | | # OF CONT | Unpreserved | H2SO4 | HNO3 | NaOH | HCL | NaHSO4 | TCLP Volatiles | TCLP Semi-Vol | TCLP Metals | TPH 418.1 | RCI | | | | | | | | | | | | |

ADDITIONAL COMMENTS

| Item Number | RELINQUISHED BY | DATE | TIME | ACCEPTED BY / AFFIL | DATE | TIME |
|-------------|-----------------|---------|--------|---------------------|---------|------|
| 1 | Butch Moore | 7-26-02 | 5:00pm | Paula Kirtley | 7-26-02 | 1:15 |
| | | | | | | |
| | | | | | | |
| | | | | | | |

Each bottle should contain representative sample.

Call Judy Carley with questions 281-285-7785

COOLER TEMPERATURE: 2.1°C

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
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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

RECEIVED
DEC 02 2002
Environmental Bureau
Oil Conservation Division
Form C-138
Revised March 17, 1999
Submit Original
Plus 1 Copy
to Appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

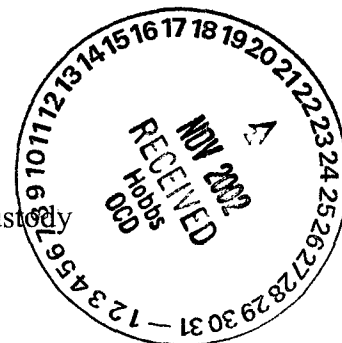
| | |
|---|---|
| 1. RCRA Exempt: ☐ Non-Exempt: ☒
☐ Verbal Approval Received: Yes ☐ No ☒ | 4. Generator Schlumberger Wireline
And Testing |
| 2. Management Facility Destination Controlled Recovery Inc. | 5. Originating Site Hobbs Facility |
| 3. Address of Facility Operator P.O. Box 388, Hobbs | 6. Transporter CRI |
| 7. Location of Material (Street Address or ULSTR) 2527 West Bender, Hobbs | 8. State New Mexico |
| 9. Circle One:
A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job.
B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved.
All transporters must certify the wastes delivered are only those consigned for transport. | |

BRIEF DESCRIPTION OF MATERIAL:

11-22-02A

Wash Bay Sump Sludge generated from truck, equipment, and tool washing.

Enclosed is non-exempt certificate of waste status, analytical data, and chain of custody to extend this process until November 30, 2003.



Estimated Volume appx. 400 bbls. annually cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE Carmella Van Maanen TITLE: Bookkeeper DATE: 11-22-02
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Carmella Van Maanen TELEPHONE NO: (505) 393-1079

(This space for State Use)

APPROVED BY: [Signature] TITLE: Env. Engn. DATE: 11/25/02
APPROVED BY: [Signature] TITLE: Environmental Geologist DATE: 12/2/02

11-202021

CERTIFICATE OF WASTE STATUS
NON-EXEMPT WASTE MATERIAL
"AS REQUIRED BY NEW MEXICO OIL CONSERVATION DIVISION"

COMPANY / GENERATOR Schlumberger Wireline and Testing

ADDRESS P.O. Box 1770, Hobbs, NM 88241

GENERATING SITE 2527 West Bender, Hobbs, NM 88240

COUNTY Lea STATE NM

TYPE OF WASTE Wash Bay Sump Sludge

ESTIMATED VOLUME 400 BBL'S ANNUAL

GENERATING PROCESS Truck, Equipment & Tool
WASH

REMARKS Hobbs - Rental

NMOCD FACILITY Controlled Recovery, Inc.

TRUCKING COMPANY MacLasken Oil Field Services

As a condition of acceptance for disposal, I hereby certify that this waste is a non-exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. To my knowledge, this waste will be analyzed pursuant to the provisions of 40 CFR Part 261 to verify the nature as non-hazardous. I further certify that to my knowledge "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has not been added or mixed with the waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, Sections 261.3.

AGENT [Signature]

SIGNATURE

NAME Butch Wood

PRINTED

ADDRESS P.O. Box 1770

Hobbs, NM 88241

DATE 11-19-02



Pace Analytical Services, Inc.
900 Gemini Avenue
Houston, TX 77058
Phone: 281.488.1810
Fax: 281.488.4661

August 27, 2002

Mr. Butch Wood
Schlumberger
2527 West Bender
Hobbs, NM 88240

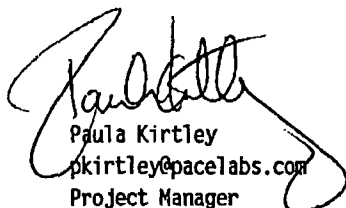
RE: Lab Project Number: 8529051
Client Project ID: Wash Bay Sump Sludge/ Hobbs

Dear Mr. Wood:

Enclosed are the analytical results for sample(s) received by the laboratory on August 14, 2002. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report please feel free to contact me.

Sincerely,



Paula Kirtley
pkirtley@pacelabs.com
Project Manager

Enclosures

REPORT OF LABORATORY ANALYSIS

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without the written consent of Pace Analytical Services, Inc.



Friday, August 30, 2002

Pace Analytical Summary Sheet

Schlumberger

Mr. Butch Wood
2527 West BenderHobbs NM 88240
8529051

| sample_i | lab_i | analyte | analytical_result | reg_limit | unit | sample | method | footnote |
|---------------|-----------|------------------------------|-------------------|-----------|-------|----------------|--------------|----------|
| WASH BAY SUMP | 851765386 | Ignites by flame | no | 140* | deg F | 08/13/02 16:00 | 40CFR 261.21 | |
| WASH BAY SUMP | 851765386 | Ignites spontaneously | no | 140 * | deg F | 08/13/02 16:00 | 40CFR 261.21 | |
| WASH BAY SUMP | 851765386 | Ignites when agitated | no | 140 * | deg F | 08/13/02 16:00 | 40CFR 261.21 | |
| WASH BAY SUMP | 851765386 | Ignites with moisture | no | 140 * | deg F | 08/13/02 16:00 | 40CFR 261.21 | |
| WASH BAY SUMP | 851765386 | Total Petroleum Hydrocarbons | 35900 | | mg/kg | 08/13/02 16:00 | EPA 418.1 | |
| WASH BAY SUMP | 851765386 | Arsenic | < 0.500 | 5.0 | mg/l | 08/13/02 16:00 | EPA 6010 | |
| WASH BAY SUMP | 851765386 | Barium | 0.429 | 100.0 | mg/l | 08/13/02 16:00 | EPA 6010 | |
| WASH BAY SUMP | 851765386 | Cadmium | < 0.0500 | 1.0 | mg/l | 08/13/02 16:00 | EPA 6010 | |
| WASH BAY SUMP | 851765386 | Chromium | < 0.0500 | 5.0 | mg/l | 08/13/02 16:00 | EPA 6010 | |
| WASH BAY SUMP | 851765386 | Lead | < 0.500 | 5.0 | mg/l | 08/13/02 16:00 | EPA 6010 | |
| WASH BAY SUMP | 851765386 | Selenium | < 0.500 | 1.0 | mg/l | 08/13/02 16:00 | EPA 6010 | |
| WASH BAY SUMP | 851765386 | Silver | < 0.500 | 5.0 | mg/l | 08/13/02 16:00 | EPA 6010 | |
| WASH BAY SUMP | 851765386 | Mercury | < 0.00600 | 0.200 | mg/l | 08/13/02 16:00 | EPA 7470 | |
| WASH BAY SUMP | 851765386 | 1,1-Dichloroethene | < 0.050 | 0.7 | mg/l | 08/13/02 16:00 | EPA 8260 | |
| WASH BAY SUMP | 851765386 | 1,2-Dichloroethane | < 0.050 | 0.5 | mg/l | 08/13/02 16:00 | EPA 8260 | |

-Due to co-elution, the value in 4-Methylphenol represents the total value for both 4-Methylphenol and 3-Methylphenol

Flash Point less than 140 degrees F is hazardous for ignitability.

* pH less than 2.0 or greater than 12.5 is hazardous for corrosivity.

**Reactive cyanide above 250 mg/kg is hazardous for reactivity.

***Reactive sulfide above 500 mg/kg is hazardous for reactivity.

ichloroethylene = Trichloroethene

trachloroethylene = Tetrachloroethene

utanone = Methyl Ethyl Ketone

Dichloroethylene = 1,1-Dichloroethene

o-Cresol = 2-Methylphenol

m-Cresol = 3-Methylphenol

p-Cresol = 4-Methylphenol

Hexachlorobutadiene = Hexachloro-1,3-butadiene

| sample_i | lab_i | analyte | analytical_result | reg_limit | unit | sample | method | footnote |
|---------------|-----------|---------------------------|-------------------|-----------|-------|----------------|----------------|----------|
| WASH BAY SUMP | 851765386 | 2-Butanone (MEK) | <0.10 | 200.0 | mg/l | 08/13/02 16:00 | EPA 8260 | |
| WASH BAY SUMP | 851765386 | Benzene | <0.050 | 0.5 | mg/l | 08/13/02 16:00 | EPA 8260 | |
| WASH BAY SUMP | 851765386 | Carbon tetrachloride | <0.050 | 0.5 | mg/l | 08/13/02 16:00 | EPA 8260 | |
| WASH BAY SUMP | 851765386 | Chlorobenzene | <0.050 | 100.0 | mg/l | 08/13/02 16:00 | EPA 8260 | |
| WASH BAY SUMP | 851765386 | Chloroform | 0.055 | 6.0 | mg/l | 08/13/02 16:00 | EPA 8260 | |
| WASH BAY SUMP | 851765386 | Tetrachloroethene | <0.050 | 0.7 | mg/l | 08/13/02 16:00 | EPA 8260 | |
| WASH BAY SUMP | 851765386 | Trichloroethene | <0.050 | 0.5 | mg/l | 08/13/02 16:00 | EPA 8260 | |
| WASH BAY SUMP | 851765386 | Vinyl chloride | <0.10 | 0.2 | mg/l | 08/13/02 16:00 | EPA 8260 | |
| WASH BAY SUMP | 851765386 | 1,4-Dichlorobenzene | <0.010 | 7.5 | mg/l | 08/13/02 16:00 | EPA 8270 | |
| WASH BAY SUMP | 851765386 | 2,4,5-Trichlorophenol | <0.010 | 400.0 | mg/l | 08/13/02 16:00 | EPA 8270 | |
| WASH BAY SUMP | 851765386 | 2,4,6-Trichlorophenol | <0.010 | 2.0 | mg/l | 08/13/02 16:00 | EPA 8270 | |
| WASH BAY SUMP | 851765386 | 2,4-Dinitrotoluene | <0.010 | 0.13 | mg/l | 08/13/02 16:00 | EPA 8270 | |
| WASH BAY SUMP | 851765386 | 2-Methylphenol (o-Cresol) | <0.010 | 200.0 | mg/l | 08/13/02 16:00 | EPA 8270 | |
| WASH BAY SUMP | 851765386 | 3-Methylphenol (m-Cresol) | <0.010 | 200.0 | mg/l | 08/13/02 16:00 | EPA 8270 | |
| WASH BAY SUMP | 851765386 | 4-Methylphenol (p-Cresol) | <0.010 | 200.0 | mg/l | 08/13/02 16:00 | EPA 8270 | |
| WASH BAY SUMP | 851765386 | Hexachloro-1,3-butadiene | <0.010 | 0.5 | mg/l | 08/13/02 16:00 | EPA 8270 | |
| WASH BAY SUMP | 851765386 | Hexachlorobenzene | <0.010 | 0.13 | mg/l | 08/13/02 16:00 | EPA 8270 | |
| WASH BAY SUMP | 851765386 | Hexachloroethane | <0.010 | 3.0 | mg/l | 08/13/02 16:00 | EPA 8270 | |
| WASH BAY SUMP | 851765386 | Nitrobenzene | <0.010 | 2.0 | mg/l | 08/13/02 16:00 | EPA 8270 | |
| WASH BAY SUMP | 851765386 | Pentachlorophenol | <0.050 | 100.0 | mg/l | 08/13/02 16:00 | EPA 8270 | |
| WASH BAY SUMP | 851765386 | Pyridine | <0.010 | 5.0 | mg/l | 08/13/02 16:00 | EPA 8270 | |
| WASH BAY SUMP | 851765386 | pH | 8.25 | ** | | 08/13/02 16:00 | EPA 9040 | |
| WASH BAY SUMP | 851765386 | Cyanide, Reactive | <0.431 | 250*** | mg/kg | 08/13/02 16:00 | SW-846 7.3.3.2 | |
| WASH BAY SUMP | 851765386 | Sulfide, Reactive | <43.1 | 500**** | mg/kg | 08/13/02 16:00 | SW-846 7.3.4.2 | |

Approved by: _____

1-Due to co-elution, the value in 4-Methylphenol represents the total value for both 4-Methylphenol and 3-Methylphenol

- * Flash Point less than 140 degrees F is hazardous for ignitibility.
- ** pH less than 2.0 or greater than 12.5 is hazardous for corrosivity.
- ***Reactive cyanide above 250 mg/kg is hazardous for reactivity.
- ****Reactive sulfide above 500 mg/kg is hazardous for reactivity.

Trichloroethylene = Trichloroethene
Tetrachloroethylene = Tetrachloroethene
2 Butanone = Methyl Ethyl Ketone
1,1-Dichloroethylene = 1,1-Dichloroethene
o-Cresol = 2-Methylphenol
m-Cresol = 3-Methylphenol
p-Cresol = 4-Methylphenol
Hexachlorobutadiene = Hexachloro-1,3-butadiene



Pace Analytical Services, Inc.

900 Gemini Avenue

Houston, TX 77058

Phone: 281.488.1810

Fax: 281.488.4661

Lab Project Number: 8529051

Client Project ID: Wash Bay Sump Sludge/ Hobbs

Solid results are reported on a wet weight basis

Lab Sample No: 851765386

Project Sample Number: 8529051-001

Date Collected: 08/13/02 16:00

Client Sample ID: WASH BAY SUMP SLUDGE

Matrix: Soil

Date Received: 08/14/02 08:20

| Parameters | Results | Units | Report Limit | DF | Analyzed | By | CAS No. | Qual | RegLmt |
|------------|---------|-------|--------------|----|----------|----|---------|------|--------|
|------------|---------|-------|--------------|----|----------|----|---------|------|--------|

Metals

TCLP on Solid, ICP Metals

Prep/Method: EPA 3010 / EPA 6010

| | | | | | | | | | |
|---------------|-------|------|--------|------|----------|------|-----------|--|-----|
| Arsenic | ND | mg/l | 0.500 | 10.0 | 08/21/02 | PBAR | 7440-38-2 | | 5 |
| Barium | 0.429 | mg/l | 0.100 | 10.0 | 08/21/02 | PBAR | 7440-39-3 | | 100 |
| Cadmium | ND | mg/l | 0.0500 | 10.0 | 08/21/02 | PBAR | 7440-43-9 | | 1 |
| Chromium | ND | mg/l | 0.0500 | 10.0 | 08/21/02 | PBAR | 7440-47-3 | | 5 |
| Lead | ND | mg/l | 0.500 | 10.0 | 08/21/02 | PBAR | 7439-92-1 | | 5 |
| Selenium | ND | mg/l | 0.500 | 10.0 | 08/21/02 | PBAR | 7782-49-2 | | 1 |
| Silver | ND | mg/l | 0.500 | 10.0 | 08/21/02 | PBAR | 7440-22-4 | | 5 |
| Date Digested | | | | | 08/19/02 | | | | |

Mercury, TCLP Leachate, Solid

Prep/Method: EPA 7470 / EPA 7470

| | | | | | | | | | |
|---------|----|------|---------|-----|----------------|------|-----------|--|-----|
| Mercury | ND | mg/l | 0.00600 | 1.0 | 08/19/02 16:21 | JAMA | 7439-97-6 | | 0.2 |
|---------|----|------|---------|-----|----------------|------|-----------|--|-----|

Volatiles, TCLP Leach, Solid

Method: EPA 8260

| | | | | | | | | | |
|--------------|-------|--|--|-----|----------------|------|--|--|--|
| Date Leached | 82000 | | | 1.0 | 08/15/02 16:00 | CHAR | | | |
|--------------|-------|--|--|-----|----------------|------|--|--|--|

Wet Chemistry

TPH by EPA Method 418.1 Mod

Prep/Method: EPA 3540 / EPA 418.1 Modified

| | | | | | | | | | |
|------------------------------|-------|-------|------|------|----------------|------|--|--|--|
| Total Petroleum Hydrocarbons | 35900 | mg/kg | 2370 | 47.5 | 08/27/02 11:00 | AFER | | | |
|------------------------------|-------|-------|------|------|----------------|------|--|--|--|

Cyanide, Reactive

Method: SW-846 7.3.3.2

| | | | | | | | | | |
|-------------------|----|-------|-------|-----|----------------|------|--|--|-----|
| Cyanide, Reactive | ND | mg/kg | 0.431 | 0.9 | 08/22/02 16:15 | TWES | | | 250 |
|-------------------|----|-------|-------|-----|----------------|------|--|--|-----|

Sulfide, Reactive

Method: SW-846 7.3.4.2

| | | | | | | | | | |
|-------------------|----|-------|------|-----|----------------|------|--|--|-----|
| Sulfide, Reactive | ND | mg/kg | 43.1 | 0.9 | 08/20/02 14:05 | HFEB | | | 500 |
|-------------------|----|-------|------|-----|----------------|------|--|--|-----|

pH for Corrosivity

Method: EPA 9040

| | | | | | | | | | |
|----|------|--|--|-----|----------------|------|--|--|--|
| pH | 8.25 | | | 1.0 | 08/26/02 14:00 | CSAN | | | |
|----|------|--|--|-----|----------------|------|--|--|--|

Ignitability, Solid Matrix

Method: 40CFR 261.21

| | | | | | | | | | |
|-----------------------|----|-------|--|-----|----------------|------|--|--|--|
| Ignites spontaneously | no | deg F | | 1.0 | 08/19/02 11:30 | CSAN | | | |
| Ignites with moisture | no | deg F | | 1.0 | 08/19/02 11:30 | CSAN | | | |
| Ignites when agitated | no | deg F | | 1.0 | 08/19/02 11:30 | CSAN | | | |
| Ignites by flame | no | deg F | | 1.0 | 08/19/02 11:30 | CSAN | | | |

GC/MS Semivolatiles

SW8270 Semivolatiles, TCLP

Prep/Method: EPA 3510 / EPA 8270

Date: 08/27/02

Page: 1

REPORT OF LABORATORY ANALYSIS

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Pace Analytical Services, Inc.
 900 Gemini Avenue
 Houston, TX 77058
 Phone: 281.488.1810
 Fax: 281.488.4661

Lab Project Number: 8529051

Client Project ID: Wash Bay Sump Sludge/ Hobbs

Lab Sample No: 851765386
 Client Sample ID: WASH BAY SUMP SLUDGE

Project Sample Number: 8529051-001
 Matrix: Soil

Date Collected: 08/13/02 16:00
 Date Received: 08/14/02 08:20

| Parameters | Results | Units | Report Limit | DF | Analyzed | By | CAS No. | Qual | RegLmt |
|---------------------------|---------|-------|--------------|-----|----------------|------|------------|------|--------|
| 1,4-Dichlorobenzene | ND | mg/l | 0.010 | 1.0 | 08/20/02 01:14 | JOSE | 106-46-7 | | 7.5 |
| 2,4,6-Trichlorophenol | ND | mg/l | 0.010 | 1.0 | 08/20/02 01:14 | JOSE | 88-06-2 | | 2 |
| 2,4,5-Trichlorophenol | ND | mg/l | 0.010 | 1.0 | 08/20/02 01:14 | JOSE | 95-95-4 | | 400 |
| 2,4-Dinitrotoluene | ND | mg/l | 0.010 | 1.0 | 08/20/02 01:14 | JOSE | 121-14-2 | | 0.13 |
| 2-Methylphenol (o-Cresol) | ND | mg/l | 0.010 | 1.0 | 08/20/02 01:14 | JOSE | 95-48-7 | | 200 |
| 3-Methylphenol (m-Cresol) | ND | mg/l | 0.010 | 1.0 | 08/20/02 01:14 | JOSE | 108-39-4 | | 200 |
| 4-Methylphenol (p-Cresol) | ND | mg/l | 0.010 | 1.0 | 08/20/02 01:14 | JOSE | 106-44-5 | 1 | 200 |
| Hexachlorobenzene | ND | mg/l | 0.010 | 1.0 | 08/20/02 01:14 | JOSE | 118-74-1 | | 0.13 |
| Hexachloro-1,3-butadiene | ND | mg/l | 0.010 | 1.0 | 08/20/02 01:14 | JOSE | 87-68-3 | | 0.5 |
| Hexachloroethane | ND | mg/l | 0.010 | 1.0 | 08/20/02 01:14 | JOSE | 67-72-1 | | 3 |
| Nitrobenzene | ND | mg/l | 0.010 | 1.0 | 08/20/02 01:14 | JOSE | 98-95-3 | | 2 |
| Pentachlorophenol | ND | mg/l | 0.050 | 1.0 | 08/20/02 01:14 | JOSE | 87-86-5 | | 100 |
| Pyridine | ND | mg/l | 0.010 | 1.0 | 08/20/02 01:14 | JOSE | 110-86-1 | | 5 |
| Nitrobenzene-d5 (S) | 36 | % | | 1.0 | 08/20/02 01:14 | JOSE | 4165-60-0 | | |
| 2-Fluorobiphenyl (S) | 56 | % | | 1.0 | 08/20/02 01:14 | JOSE | 321-60-8 | | |
| Terphenyl-d14 (S) | 81 | % | | 1.0 | 08/20/02 01:14 | JOSE | 1718-51-0 | | |
| Phenol-d6 (S) | 25 | % | | 1.0 | 08/20/02 01:14 | JOSE | 13127-88-3 | | |
| 2-Fluorophenol (S) | 19 | % | | 1.0 | 08/20/02 01:14 | JOSE | 367-12-4 | | |
| 2,4,6-Tribromophenol (S) | 48 | % | | 1.0 | 08/20/02 01:14 | JOSE | | | |
| Date Extracted | | | | | 08/19/02 | | | | |

GC/MS Volatiles

Volatiles, TCLP Leach, Solid

Method: EPA 8260

| | | | | | | | | | |
|---------------------------|-------|------|-------|------|----------------|-----|------------|--|-----|
| 1,1-Dichloroethene | ND | mg/l | 0.050 | 10.0 | 08/22/02 04:31 | EAD | 75-35-4 | | 0.7 |
| 1,2-Dichloroethane | ND | mg/l | 0.050 | 10.0 | 08/22/02 04:31 | EAD | 107-06-2 | | 0.5 |
| 2-Butanone (MEK) | ND | mg/l | 0.10 | 10.0 | 08/22/02 04:31 | EAD | 78-93-3 | | 200 |
| Benzene | ND | mg/l | 0.050 | 10.0 | 08/22/02 04:31 | EAD | 71-43-2 | | 0.5 |
| Carbon tetrachloride | ND | mg/l | 0.050 | 10.0 | 08/22/02 04:31 | EAD | 56-23-5 | | 0.5 |
| Chlorobenzene | ND | mg/l | 0.050 | 10.0 | 08/22/02 04:31 | EAD | 108-90-7 | | 100 |
| Chloroform | 0.055 | mg/l | 0.050 | 10.0 | 08/22/02 04:31 | EAD | 67-66-3 | | 6 |
| Tetrachloroethene | ND | mg/l | 0.050 | 10.0 | 08/22/02 04:31 | EAD | 127-18-4 | | 0.7 |
| Trichloroethene | ND | mg/l | 0.050 | 10.0 | 08/22/02 04:31 | EAD | 79-01-6 | | 0.5 |
| Vinyl chloride | ND | mg/l | 0.10 | 10.0 | 08/22/02 04:31 | EAD | 75-01-4 | | 0.2 |
| 1,2-Dichloroethane-d4 (S) | 91 | % | | 1.0 | 08/22/02 04:31 | EAD | 17060-07-0 | | |
| Toluene-d8 (S) | 100 | % | | 1.0 | 08/22/02 04:31 | EAD | 2037-26-5 | | |
| 4-Bromofluorobenzene (S) | 97 | % | | 1.0 | 08/22/02 04:31 | EAD | 460-00-4 | | |

Date: 08/27/02

Page: 2

REPORT OF LABORATORY ANALYSIS

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8529051

CHAIN-OF-CUSTODY RECORD Analytical Request

Report To: Butch Wood
 Bill To: 1-3795
 P.O.# / Billing Reference: Wash Bay Sump Sludge - Rew
 Project Name / No.: Butch Wood
 Sampled By (Print): Butch Wood
 Sampler Signature: [Signature]
 *Requested Due Date:

Client: Schlumberger
 Address: 2527 West Bender
 Hobbs, NM 88240
 Phone #: 505-393-4107
 Fax #: 505-393-3835
 E-Mail: woodb23@midland-oilfield-slb.com

Pace Analytical™

| ITEM NO. | SAMPLE DESCRIPTION | DATE | TIME | MATRIX | PAGE NO. | PRESERVATIVES | | | | | | | | | | ANALYSES REQUESTED | | | | | | | | | | Bottle Type | Remarks |
|----------|----------------------|---------|------|--------|-----------|---------------|-------------|-------|------|------|-----|--------|----------------|---------------|-------------|--------------------|-----|---|---|--|--|--|--|--|--|-------------------|-----------|
| | | | | | | # OF CONT | Unpreserved | H2SO4 | HNO3 | NaOH | HCL | NaHSO4 | TCIP Volatiles | TCIP Semi-Vol | TCIP Metals | TPH 418.1 | RCI | | | | | | | | | | |
| 1 | Wash Bay Sump Sludge | 8-13-02 | 1600 | Sludge | 851765386 | 1 | x | | | | | | X | | | | | | | | | | | | | 1- 4oz Glass Jar | Hobbs-Rew |
| 2 | Wash Bay Sump Sludge | 8-13-02 | 1600 | Sludge | | 2 | x | | | | | | X | X | | | | | | | | | | | | 2- 32oz Glass Jar | |
| 3 | Wash Bay Sump Sludge | 8-13-02 | 1600 | Sludge | | 1 | x | | | | | | | | | | | X | | | | | | | | 1- 16oz Glass Jar | |
| 4 | Wash Bay Sump Sludge | 8-13-02 | 1600 | Sludge | | 1 | x | | | | | | | | | | | | X | | | | | | | 1- 8oz Glass Jar | |
| 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | |

ADDITIONAL COMMENTS

| Item Number | RELINQUISHED BY | DATE | TIME | ACCEPTED BY / AFFIL | DATE | TIME |
|-------------|-------------------|---------|------|---------------------|---------|------|
| | <u>Butch Wood</u> | 8-13-02 | 1700 | <u>Fred Ex</u> | 8/14/02 | 8-20 |
| | | | | | | |
| | | | | | | |
| | | | | | | |

Each bottle should contain representative sample.

Call Judy Carley with questions 281-285-7785

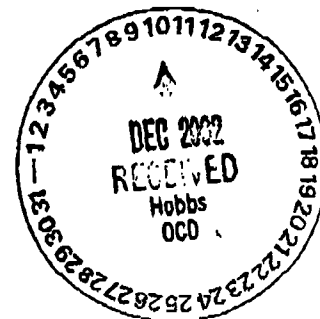
COOLER TEMPERATURE: 1.2°C

~~District I~~~~1025 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 ResourcesOil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505Form C-138
Revised March 17, 1999Submit Original
Plus 1 Copy
to Appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

| | |
|---|-------------------------------------|
| 1. RCRA Exempt: ☐ Non-Exempt: ☒
Verbal Approval Received: Yes ☐ No ☒
Myk 12-12-02 | 4. Generator <u>TRANS WASTE INC</u> |
| 2. Management Facility Destination <u>Controlled Recovery Inc.</u> | 5. Originating Site <u>WT-1</u> |
| 3. Address of Facility Operator <u>P.O. Box 388, Hobbs</u> | 6. Transporter <u>Gandy</u> |
| 7. Location of Material (Street Address or ULSTR)
<u>LEA COUNTY 62180 Hobbs Newy NM 63</u> | 8. State <u>New Mexico</u> |
| 9. Circle One:
A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator, one certificate per job.
B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved.
All transporters must certify the wastes delivered are only those consigned for transport. | |

BRIEF DESCRIPTION OF MATERIAL:

Oily Contaminated SoilEstimated Volume 2500 cy Known Volume (to be entered by the operator at the end of the haul) _____ cySIGNATURE Larry Parker TITLE: Rep. DATE: 12-06-02
Waste Management Facility Authorized AgentTYPE OR PRINT NAME: Larry Parker TELEPHONE NO: 505-393-1079

(This space for State Use)

APPROVED BY: [Signature] TITLE: Engr. Engle DATE: 12/11/02APPROVED BY: [Signature] TITLE: Environmental Engineer DATE: 12-12-02

1-202121

CERTIFICATE OF WASTE STATUS
NON-EXEMPT WASTE MATERIAL
"AS REQUIRED BY NEW MEXICO OIL CONSERVATION DIVISION"

COMPANY / GENERATOR Transwestern PipelineADDRESS 1400 Smith St., ECN-4533, Houston, TX 77002GENERATING SITE WT-1 62180 Hobbs Hwy - MM63-4562-180COUNTY Lea STATE NMTYPE OF WASTE Oil Contaminated SoilESTIMATED VOLUME 2500 ydsGENERATING PROCESS Soil Remediation by
excavation of former pit areas.

REMARKS _____

NMOCD FACILITY CRITRUCKING COMPANY Gandy

As a condition of acceptance for disposal, I hereby certify that this waste is a non-exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. To my knowledge, this waste will be analyzed pursuant to the provisions of 40 CFR Part 261 to verify the nature as non-hazardous. I further certify that to my knowledge "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has not been added or mixed with the waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR Sections 261.3.

AGENT Bill Kendrick

SIGNATURE

NAME Bill Kendrick

PRINTED

ADDRESS 1400 Smith St., ECN 4533Houston, TX 77002DATE 12-9-02

**Hall Environmental
Analysis Laboratory****COVER LETTER**

December 04, 2002

George Robinson
Cypress Engineering
10235 W. Little York Suite 256
Houston, TX 77040
TEL: (713) 856-7980
FAX (713) 856-7981

RE: WT-1

Order No.: 0211151

Dear George Robinson:

Hall Environmental Analysis Laboratory received 8 samples on 11/23/2002 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent.

Reporting limits are determined by EPA methodology. No determination of compounds below these (denoted by the ND or < sign) has been made.

Please don't hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

Andy Freeman, Business Manager
Nancy McDuffie, Laboratory Manager

Hall Environmental Analysis Laboratory**Date:** 04-Dec-02**CLIENT:** Cypress Engineering**Project:** WT-1**Lab Order:** 0211151**CASE NARRATIVE**

Analytical Comments for METHOD 8015GRO_S, SAMPLES 0211151-3, 4, 7, 8: Surrogates not recoverable due to matrix interference.

Analytical Comments for METHOD 8015DRO_S, SAMPLES 0211151-3, 5, 6, 7, 8, A: Surrogates unrecoverable due to sample dilution and matrix interferences.

Analytical Comments for METHOD 8270TCLP, SAMPLE 0211151-08A: Low surrogate recovery due to emulsion formation during extraction

Hall Environmental Analysis Laboratory

Date: 04-Dec-02

CLIENT: Cypress Engineering
 Lab Order: 0211151
 Project: WT-1
 Lab ID: 0211151-01

Client Sample W. Pit 4'
 Collection 11/22/2002 9:00:00 AM

Matrix: SOIL

| Analyses | Result | Limit | Qual | Units | DF | Date Analyzed |
|---|--------|--------|------|-------|----|------------------------|
| EPA METHOD 8015B: DIESEL RANGE | | | | | | Analyst: JMP |
| Diesel Range Organics (DRO) | 95 | 5.0 | | mg/Kg | 1 | 11/26/2002 12:48:42 PM |
| Motor Oil Range Organics (MRO) | 500 | 50 | | mg/Kg | 1 | 11/26/2002 12:48:42 PM |
| Surr: DNOP | 85.5 | 80-124 | | %REC | 1 | 11/26/2002 12:48:42 PM |
| EPA METHOD 8015B: GASOLINE RANGE | | | | | | Analyst: NB |
| Gasoline Range Organics (GRO) | ND | 5.0 | | mg/Kg | 1 | 11/25/2002 11:23:31 AM |
| Surr: BFB | 94.2 | 74-118 | | %REC | 1 | 11/25/2002 11:23:31 AM |
| VOLATILES, TCLP LEACHED | | | | | | Analyst: JDC |
| Benzene | ND | 0.50 | | mg/L | 1 | 11/26/2002 |
| 2-Butanone | ND | 200 | | mg/L | 1 | 11/26/2002 |
| Carbon Tetrachloride | ND | 0.50 | | mg/L | 1 | 11/26/2002 |
| Chlorobenzene | ND | 100 | | mg/L | 1 | 11/26/2002 |
| Chloroform | ND | 6.0 | | mg/L | 1 | 11/26/2002 |
| 1,4-Dichlorobenzene | ND | 7.5 | | mg/L | 1 | 11/26/2002 |
| 1,2-Dichloroethane (EDC) | ND | 0.50 | | mg/L | 1 | 11/26/2002 |
| 1,1-Dichloroethene | ND | 0.70 | | mg/L | 1 | 11/26/2002 |
| Hexachlorobutadiene | ND | 0.50 | | mg/L | 1 | 11/26/2002 |
| Tetrachloroethene (PCE) | ND | 0.70 | | mg/L | 1 | 11/26/2002 |
| Trichloroethene (TCE) | ND | 0.50 | | mg/L | 1 | 11/26/2002 |
| Vinyl chloride | ND | 0.20 | | mg/L | 1 | 11/26/2002 |
| Surr: 1,2-Dichloroethane-d4 | 98.2 | 70-130 | | %REC | 1 | 11/26/2002 |
| Surr: 4-Bromofluorobenzene | 104 | 70-130 | | %REC | 1 | 11/26/2002 |
| Surr: Dibromofluoromethane | 100 | 70-130 | | %REC | 1 | 11/26/2002 |
| Surr: Toluene-d8 | 109 | 70-130 | | %REC | 1 | 11/26/2002 |
| SEMIVOLATILES, TCLP LEACHED | | | | | | Analyst: CS |
| 2,4,5-Trichlorophenol | ND | 400 | | mg/L | 1 | 12/3/2002 |
| 2,4,6-Trichlorophenol | ND | 2.00 | | mg/L | 1 | 12/3/2002 |
| 2,4-Dinitrotoluene | ND | 0.130 | | mg/L | 1 | 12/3/2002 |
| Cresols, Total | ND | 200 | | mg/L | 1 | 12/3/2002 |
| Hexachlorobenzene | ND | 0.130 | | mg/L | 1 | 12/3/2002 |
| Hexachlorobutadiene | ND | 0.500 | | mg/L | 1 | 12/3/2002 |
| Hexachloroethane | ND | 3.00 | | mg/L | 1 | 12/3/2002 |
| Nitrobenzene | ND | 2.00 | | mg/L | 1 | 12/3/2002 |
| Pentachlorophenol | ND | 100 | | mg/L | 1 | 12/3/2002 |
| Pyridine | ND | 5.00 | | mg/L | 1 | 12/3/2002 |
| Surr: 2,4,6-Tribromophenol | 78.0 | 0-169 | | %REC | 1 | 12/3/2002 |
| Surr: 2-Fluorobiphenyl | 58.1 | 6-118 | | %REC | 1 | 12/3/2002 |
| Surr: 2-Fluorophenol | 46.2 | 0-103 | | %REC | 1 | 12/3/2002 |
| Surr: 4-Terphenyl-d14 | 29.2 | 3-135 | | %REC | 1 | 12/3/2002 |
| Surr: Nitrobenzene-d5 | 55.9 | 8-115 | | %REC | 1 | 12/3/2002 |

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 * - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range

Page 1 of 16

Hall Environmental Analysis Laboratory

Date: 04-Dec-02

CLIENT: Cypress Engineering
Lab Order: 0211151
Project: WT-1
Lab ID: 0211151-01

Client Sample W. Pit 4'
Collection 11/22/2002 9:00:00 AM

Matrix: SOIL

| Analyses | Result | Limit | Qual | Units | DF | Date Analyzed |
|--------------------------------------|--------|-------|------|-------|----|---------------|
| Surr. Phenol-d8 | 32.1 | 0-127 | | %REC | 1 | 12/3/2002 |
| MERCURY, TCLP LEACHED | | | | | | Analyst: ADM |
| Mercury | ND | 0.020 | | mg/L | 1 | 12/2/2002 |
| EPA METHOD 6010C: TCLP METALS | | | | | | Analyst: ADM |
| Arsenic | ND | 5.0 | | mg/L | 1 | 11/29/2002 |
| Barium | ND | 100 | | mg/L | 1 | 11/29/2002 |
| Cadmium | ND | 1.0 | | mg/L | 1 | 11/29/2002 |
| Chromium | ND | 5.0 | | mg/L | 1 | 11/29/2002 |
| Lead | ND | 5.0 | | mg/L | 1 | 11/29/2002 |
| Selenium | ND | 1.0 | | mg/L | 1 | 11/29/2002 |
| Silver | ND | 5.0 | | mg/L | 1 | 11/29/2002 |

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Page 2 of 16

Hall Environmental Analysis Laboratory

Date: 04-Dec-02

CLIENT: Cypress Engineering
 Lab Order: 0211151
 Project: WT-1
 Lab ID: 0211151-02

Client Sample W, Pit 8'
 Collection 11/22/2002 9:20:00 AM

Matrix: SOIL

| Analyses | Result | Limit | Qual | Units | DF | Date Analyzed |
|---|--------|--------|------|-------|----|---------------------------------------|
| EPA METHOD 8015B: DIESEL RANGE | | | | | | |
| Diesel Range Organics (DRO) | 310 | 25 | | mg/Kg | 5 | Analyst: JMP
12/2/2002 5:12:31 PM |
| Motor Oil Range Organics (MRO) | 2900 | 250 | | mg/Kg | 5 | 12/2/2002 5:12:31 PM |
| Surr: DNOP | 116 | 60-124 | | %REC | 5 | 12/2/2002 5:12:31 PM |
| EPA METHOD 8015B: GASOLINE RANGE | | | | | | |
| Gasoline Range Organics (GRO) | ND | 5.0 | | mg/Kg | 1 | Analyst: NB
11/25/2002 11:54:17 AM |
| Surr: BFB | 98.9 | 74-118 | | %REC | 1 | 11/25/2002 11:54:17 AM |
| VOLATILES, TCLP LEACHED | | | | | | |
| Benzene | ND | 0.50 | | mg/L | 1 | Analyst: JDC
11/26/2002 |
| 2-Butanone | ND | 200 | | mg/L | 1 | 11/26/2002 |
| Carbon Tetrachloride | ND | 0.50 | | mg/L | 1 | 11/26/2002 |
| Chlorobenzene | ND | 100 | | mg/L | 1 | 11/26/2002 |
| Chloroform | ND | 6.0 | | mg/L | 1 | 11/26/2002 |
| 1,4-Dichlorobenzene | ND | 7.5 | | mg/L | 1 | 11/26/2002 |
| 1,2-Dichloroethane (EDC) | ND | 0.50 | | mg/L | 1 | 11/26/2002 |
| 1,1-Dichloroethene | ND | 0.70 | | mg/L | 1 | 11/26/2002 |
| Hexachlorobutadiene | ND | 0.50 | | mg/L | 1 | 11/26/2002 |
| Tetrachloroethene (PCE) | ND | 0.70 | | mg/L | 1 | 11/26/2002 |
| Trichloroethene (TCE) | ND | 0.50 | | mg/L | 1 | 11/26/2002 |
| Vinyl chloride | ND | 0.20 | | mg/L | 1 | 11/26/2002 |
| Surr: 1,2-Dichloroethane-d4 | 95.5 | 70-130 | | %REC | 1 | 11/26/2002 |
| Surr: 4-Bromofluorobenzene | 102 | 70-130 | | %REC | 1 | 11/26/2002 |
| Surr: Dibromofluoromethane | 96.9 | 70-130 | | %REC | 1 | 11/26/2002 |
| Surr: Toluene-d8 | 116 | 70-130 | | %REC | 1 | 11/26/2002 |
| SEMIVOLATILES, TCLP LEACHED | | | | | | |
| 2,4,5-Trichlorophenol | ND | 400 | | mg/L | 1 | Analyst: CS
12/3/2002 |
| 2,4,6-Trichlorophenol | ND | 2.00 | | mg/L | 1 | 12/3/2002 |
| 2,4-Dinitrotoluene | ND | 0.130 | | mg/L | 1 | 12/3/2002 |
| Creasols, Total | ND | 200 | | mg/L | 1 | 12/3/2002 |
| Hexachlorobenzene | ND | 0.130 | | mg/L | 1 | 12/3/2002 |
| Hexachlorobutadiene | ND | 0.500 | | mg/L | 1 | 12/3/2002 |
| Hexachloroethane | ND | 3.00 | | mg/L | 1 | 12/3/2002 |
| Nitrobenzene | ND | 2.00 | | mg/L | 1 | 12/3/2002 |
| Pentachlorophenol | ND | 100 | | mg/L | 1 | 12/3/2002 |
| Pyridine | ND | 5.00 | | mg/L | 1 | 12/3/2002 |
| Surr: 2,4,6-Tribromophenol | 77.0 | 0-169 | | %REC | 1 | 12/3/2002 |
| Surr: 2-Fluorobiphenyl | 54.8 | 6-118 | | %REC | 1 | 12/3/2002 |
| Surr: 2-Fluorophenol | 47.6 | 0-103 | | %REC | 1 | 12/3/2002 |
| Surr: 4-Terphenyl-d14 | 27.2 | 3-135 | | %REC | 1 | 12/3/2002 |
| Surr: Nitrobenzene-d5 | 57.6 | 8-115 | | %REC | 1 | 12/3/2002 |

Qualifiers: ND - Not Detected at the Reporting Limit
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 * - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range

Page 3 of 16

Hall Environmental Analysis Laboratory**Date:** 04-Dec-02

CLIENT: Cypress Engineering
Lab Order: 0211151
Project: WT-1
Lab ID: 0211151-02

Client Sample W. Pit 8'
Collection 11/22/2002 9:20:00 AM

Matrix: SOIL

| Analyses | Result | Limit | Qual | Units | DF | Date Analyzed |
|--------------------------------------|---------------|--------------|-------------|--------------|-----------|----------------------|
| Surr: Phenol-d6 | 32.4 | 0.127 | | %REC | 1 | 12/3/2002 |
| MERCURY, TCLP LEACHED | | | | | | Analyst: ADM |
| Mercury | ND | 0.020 | | mg/L | 1 | 12/2/2002 |
| EPA METHOD 6010C: TCLP METALS | | | | | | Analyst: ADM |
| Arsenic | ND | 5.0 | | mg/L | 1 | 11/29/2002 |
| Barium | ND | 100 | | mg/L | 1 | 11/29/2002 |
| Cadmium | ND | 1.0 | | mg/L | 1 | 11/29/2002 |
| Chromium | ND | 5.0 | | mg/L | 1 | 11/29/2002 |
| Lead | ND | 5.0 | | mg/L | 1 | 11/29/2002 |
| Selenium | ND | 1.0 | | mg/L | 1 | 11/29/2002 |
| Silver | ND | 5.0 | | mg/L | 1 | 11/29/2002 |

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Page 4 of 16

Hall Environmental Analysis Laboratory

Date: 04-Dec-02

CLIENT: Cypress Engineering
 Lab Order: 0211151
 Project: WT-1
 Lab ID: 0211151-03

Client Sample W. Pit 12'
 Collection 11/22/2002 10:05:00

Matrix: SOIL

| Analyses | Result | Limit | Qual | Units | DF | Date Analyzed |
|---|--------|--------|------|-------|----|---------------------------------------|
| EPA METHOD 8015B: DIESEL RANGE | | | | | | |
| Diesel Range Organics (DRO) | 3200 | 250 | | mg/Kg | 50 | Analyst: JMP
11/26/2002 3:39:00 PM |
| Motor Oil Range Organics (MRO) | 26000 | 2500 | | mg/Kg | 50 | 11/26/2002 3:39:00 PM |
| Surr: DNOP | 0 | 60-124 | S | %REC | 50 | 11/26/2002 3:39:00 PM |
| EPA METHOD 8015B: GASOLINE RANGE | | | | | | |
| Gasoline Range Organics (GRO) | 110 | 20 | | mg/Kg | 4 | Analyst: NB
11/26/2002 12:40:57 PM |
| Surr: BFB | 0 | 74-118 | S | %REC | 4 | 11/26/2002 12:40:57 PM |
| VOLATILES, TCLP LEACHED | | | | | | |
| Benzene | ND | 0.50 | | mg/L | 1 | Analyst: JDC
11/26/2002 |
| 2-Butanone | ND | 200 | | mg/L | 1 | 11/26/2002 |
| Carbon Tetrachloride | ND | 0.50 | | mg/L | 1 | 11/26/2002 |
| Chlorobenzene | ND | 100 | | mg/L | 1 | 11/26/2002 |
| Chloroform | ND | 6.0 | | mg/L | 1 | 11/26/2002 |
| 1,4-Dichlorobenzene | ND | 7.5 | | mg/L | 1 | 11/26/2002 |
| 1,2-Dichloroethane (EDC) | ND | 0.50 | | mg/L | 1 | 11/26/2002 |
| 1,1-Dichloroethene | ND | 0.70 | | mg/L | 1 | 11/26/2002 |
| Hexachlorobutadiene | ND | 0.50 | | mg/L | 1 | 11/26/2002 |
| Tetrachloroethene (PCE) | ND | 0.70 | | mg/L | 1 | 11/26/2002 |
| Trichloroethene (TCE) | ND | 0.50 | | mg/L | 1 | 11/26/2002 |
| Vinyl chloride | ND | 0.20 | | mg/L | 1 | 11/26/2002 |
| Surr: 1,2-Dichloroethane-d4 | 93.9 | 70-130 | | %REC | 1 | 11/26/2002 |
| Surr: 4-Bromofluorobenzene | 102 | 70-130 | | %REC | 1 | 11/26/2002 |
| Surr: Dibromofluoromethane | 96.4 | 70-130 | | %REC | 1 | 11/26/2002 |
| Surr: Toluene-d8 | 103 | 70-130 | | %REC | 1 | 11/26/2002 |
| SEMIVOLATILES, TCLP LEACHED | | | | | | |
| 2,4,6-Trichlorophenol | ND | 400 | | mg/L | 1 | Analyst: CS
12/3/2002 |
| 2,4,6-Trichlorophenol | ND | 2.00 | | mg/L | 1 | 12/3/2002 |
| 2,4-Dinitrotoluene | ND | 0.130 | | mg/L | 1 | 12/3/2002 |
| Cresols, Total | ND | 200 | | mg/L | 1 | 12/3/2002 |
| Hexachlorobenzene | ND | 0.130 | | mg/L | 1 | 12/3/2002 |
| Hexachlorobutadiene | ND | 0.500 | | mg/L | 1 | 12/3/2002 |
| Hexachloroethane | ND | 3.00 | | mg/L | 1 | 12/3/2002 |
| Nitrobenzene | ND | 2.00 | | mg/L | 1 | 12/3/2002 |
| Pentachlorophenol | ND | 100 | | mg/L | 1 | 12/3/2002 |
| Pyridine | ND | 5.00 | | mg/L | 1 | 12/3/2002 |
| Surr: 2,4,6-Tribromophenol | 91.6 | 0-169 | | %REC | 1 | 12/3/2002 |
| Surr: 2-Fluorobiphenyl | 56.0 | 6-118 | | %REC | 1 | 12/3/2002 |
| Surr: 2-Fluorophenol | 45.4 | 0-103 | | %REC | 1 | 12/3/2002 |
| Surr: 4-Terphenyl-d14 | 25.3 | 3-135 | | %REC | 1 | 12/3/2002 |
| Surr: Nitrobenzene-d5 | 58.8 | 8-115 | | %REC | 1 | 12/3/2002 |

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 * - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range

Page 5 of 16

Hall Environmental Analysis Laboratory

Date: 04-Dec-02

CLIENT: Cypress Engineering
 Lab Order: 0211151
 Project: WT-1
 Lab ID: 0211151-03

Client Sample W. Pit 12'
 Collection 11/22/2002 10:05:00

Matrix: SOIL

| Analyses | Result | Limit | Qual | Units | DF | Date Analyzed |
|--------------------------------------|--------|-------|------|-------|----|---------------|
| Surr: Phenol-d6 | 31.5 | 0-127 | | %REC | 1 | 12/3/2002 |
| MERCURY, TCLP LEACHED | | | | | | Analyst: ADM |
| Mercury | ND | 0.020 | | mg/L | 1 | 12/2/2002 |
| EPA METHOD 6010C: TCLP METALS | | | | | | Analyst: ADM |
| Arsenic | ND | 5.0 | | mg/L | 1 | 11/29/2002 |
| Barium | ND | 100 | | mg/L | 1 | 11/29/2002 |
| Cadmium | ND | 1.0 | | mg/L | 1 | 11/29/2002 |
| Chromium | ND | 5.0 | | mg/L | 1 | 11/29/2002 |
| Lead | ND | 5.0 | | mg/L | 1 | 11/29/2002 |
| Selenium | ND | 1.0 | | mg/L | 1 | 11/29/2002 |
| Silver | ND | 5.0 | | mg/L | 1 | 11/29/2002 |

Qualifiers:

ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 * - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range

Hall Environmental Analysis Laboratory

Date: 04-Dec-02

CLIENT: Cypress Engineering
 Lab Order: 0211151
 Project: WT-1
 Lab ID: 0211151-04

Client Sample W. Pit 13'
 Collection 11/22/2002 1:00:00 PM

Matrix: SOIL

| Analyses | Result | Limit | Qual | Units | DF | Date Analyzed |
|---|--------|--------|------|-------|----|---------------------------------------|
| EPA METHOD 8015B: DIESEL RANGE | | | | | | |
| Diesel Range Organics (DRO) | 1600 | 250 | | mg/Kg | 50 | Analyst: JMP
11/26/2002 4:07:40 PM |
| Motor Oil Range Organics (MRO) | 16000 | 2500 | | mg/Kg | 50 | 11/26/2002 4:07:40 PM |
| Sum: DNOP | 89.5 | 60-124 | | %REC | 50 | 11/26/2002 4:07:40 PM |
| EPA METHOD 8015B: GASOLINE RANGE | | | | | | |
| Gasoline Range Organics (GRO) | 36 | 10 | | mg/Kg | 2 | Analyst: NB
11/26/2002 1:11:34 PM |
| Sum: BFB | 0 | 74-118 | S | %REC | 2 | 11/26/2002 1:11:34 PM |
| VOLATILES, TCLP LEACHED | | | | | | |
| Benzene | ND | 0.50 | | mg/L | 1 | Analyst: JDC
11/26/2002 |
| 2-Butanone | ND | 200 | | mg/L | 1 | 11/26/2002 |
| Carbon Tetrachloride | ND | 0.60 | | mg/L | 1 | 11/26/2002 |
| Chlorobenzene | ND | 100 | | mg/L | 1 | 11/26/2002 |
| Chloroform | ND | 6.0 | | mg/L | 1 | 11/26/2002 |
| 1,4-Dichlorobenzene | ND | 7.5 | | mg/L | 1 | 11/26/2002 |
| 1,2-Dichloroethane (EDC) | ND | 0.50 | | mg/L | 1 | 11/26/2002 |
| 1,1-Dichloroethane | ND | 0.70 | | mg/L | 1 | 11/26/2002 |
| Hexachlorobutadiene | ND | 0.50 | | mg/L | 1 | 11/26/2002 |
| Tetrachloroethene (PCE) | ND | 0.70 | | mg/L | 1 | 11/26/2002 |
| Trichloroethene (TCE) | ND | 0.50 | | mg/L | 1 | 11/26/2002 |
| Vinyl chloride | ND | 0.20 | | mg/L | 1 | 11/26/2002 |
| Sum: 1,2-Dichloroethane-d4 | 92.2 | 70-130 | | %REC | 1 | 11/26/2002 |
| Sum: 4-Bromofluorobenzene | 101 | 70-130 | | %REC | 1 | 11/26/2002 |
| Sum: Dibromofluoromethane | 93.8 | 70-130 | | %REC | 1 | 11/26/2002 |
| Sum: Toluene-d8 | 110 | 70-130 | | %REC | 1 | 11/26/2002 |
| SEMIVOLATILES, TCLP LEACHED | | | | | | |
| 2,4,5-Trichlorophenol | ND | 400 | | mg/L | 1 | Analyst: CS
12/3/2002 |
| 2,4,6-Trichlorophenol | ND | 2.00 | | mg/L | 1 | 12/3/2002 |
| 2,4-Dinitrotoluene | ND | 0.130 | | mg/L | 1 | 12/3/2002 |
| Cresols, Total | ND | 200 | | mg/L | 1 | 12/3/2002 |
| Hexachlorobenzene | ND | 0.130 | | mg/L | 1 | 12/3/2002 |
| Hexachlorobutadiene | ND | 0.500 | | mg/L | 1 | 12/3/2002 |
| Hexachloroethane | ND | 3.00 | | mg/L | 1 | 12/3/2002 |
| Nitrobenzene | ND | 2.00 | | mg/L | 1 | 12/3/2002 |
| Pentachlorophenol | ND | 100 | | mg/L | 1 | 12/3/2002 |
| Pyridine | ND | 5.00 | | mg/L | 1 | 12/3/2002 |
| Sum: 2,4,6-Tribromophenol | 11.5 | 0-169 | | %REC | 1 | 12/3/2002 |
| Sum: 2-Fluorobiphenyl | 49.6 | 6-118 | | %REC | 1 | 12/3/2002 |
| Sum: 2-Fluorophenol | 32.6 | 0-103 | | %REC | 1 | 12/3/2002 |
| Sum: 4-Terphenyl-d14 | 23.7 | 3-135 | | %REC | 1 | 12/3/2002 |
| Sum: Nitrobenzene-d5 | 46.7 | 8-115 | | %REC | 1 | 12/3/2002 |

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 * - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range

Page 7 of 16

Hall Environmental Analysis Laboratory**Date:** 04-Dec-02

CLIENT: Cypress Engineering
Lab Order: 0211151
Project: WT-1
Lab ID: 0211151-04

Client Sample W. Pit 13'
Collection 11/22/2002 1:00:00 PM

Matrix: SOIL

| Analyses | Result | Limit | Qual | Units | DF | Date Analyzed |
|--------------------------------------|---------------|--------------|-------------|--------------|-----------|----------------------|
| Surr: Phenol-d6 | 23.4 | 0-127 | | %REC | 1 | 12/3/2002 |
| MERCURY, TCLP LEACHED | | | | | | Analyst: ADM |
| Mercury | ND | 0.020 | | mg/L | 1 | 12/2/2002 |
| EPA METHOD 6010C: TCLP METALS | | | | | | Analyst: ADM |
| Arsenic | ND | 5.0 | | mg/L | 1 | 11/29/2002 |
| Barium | ND | 100 | | mg/L | 1 | 11/29/2002 |
| Cadmium | ND | 1.0 | | mg/L | 1 | 11/29/2002 |
| Chromium | ND | 5.0 | | mg/L | 1 | 11/29/2002 |
| Lead | ND | 5.0 | | mg/L | 1 | 11/29/2002 |
| Selenium | ND | 1.0 | | mg/L | 1 | 11/29/2002 |
| Silver | ND | 5.0 | | mg/L | 1 | 11/29/2002 |

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 * - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range

Page 8 of 16

Hall Environmental Analysis Laboratory

Date: 04-Dec-02

CLIENT: Cypress Engineering
 Lab Order: 0211151
 Project: WT-1
 Lab ID: 0211151-05

Client Sample E. Pit 4'
 Collection 11/22/2002 11:00:00

Matrix: SOIL

| Analyses | Result | Limit | Qual | Units | DF | Date Analyzed |
|---|--------|--------|------|-------|-----|--------------------------------------|
| EPA METHOD 8015B: DIESEL RANGE | | | | | | |
| Diesel Range Organics (DRO) | 5700 | 1300 | | mg/Kg | 250 | Analyst: JMP
12/2/2002 1:22:34 PM |
| Motor Oil Range Organics (MRO) | 110000 | 13000 | | mg/Kg | 250 | 12/2/2002 1:22:34 PM |
| Surr: DNOP | 0 | 60-124 | S | %REC | 250 | 12/2/2002 1:22:34 PM |
| EPA METHOD 8015B: GASOLINE RANGE | | | | | | |
| Gasoline Range Organics (GRO) | ND | 20 | | mg/Kg | 1 | Analyst: NB
11/26/2002 1:42:07 PM |
| Surr: BFB | 89.4 | 74-118 | | %REC | 1 | 11/26/2002 1:42:07 PM |
| VOLATILES, TCLP LEACHED | | | | | | |
| Benzene | ND | 0.50 | | mg/L | 1 | Analyst: JDC
11/26/2002 |
| 2-Butanone | ND | 200 | | mg/L | 1 | 11/26/2002 |
| Carbon Tetrachloride | ND | 0.50 | | mg/L | 1 | 11/26/2002 |
| Chlorobenzene | ND | 100 | | mg/L | 1 | 11/26/2002 |
| Chloroform | ND | 8.0 | | mg/L | 1 | 11/26/2002 |
| 1,4-Dichlorobenzene | ND | 7.5 | | mg/L | 1 | 11/26/2002 |
| 1,2-Dichloroethane (EDC) | ND | 0.50 | | mg/L | 1 | 11/26/2002 |
| 1,1-Dichloroethene | ND | 0.70 | | mg/L | 1 | 11/26/2002 |
| Hexachlorobutadiene | ND | 0.50 | | mg/L | 1 | 11/26/2002 |
| Tetrachloroethene (PCE) | ND | 0.70 | | mg/L | 1 | 11/26/2002 |
| Trichloroethene (TCE) | ND | 0.50 | | mg/L | 1 | 11/26/2002 |
| Vinyl chloride | ND | 0.20 | | mg/L | 1 | 11/26/2002 |
| Surr: 1,2-Dichloroethane-d4 | 90.4 | 70-130 | | %REC | 1 | 11/26/2002 |
| Surr: 4-Bromofluorobenzene | 106 | 70-130 | | %REC | 1 | 11/26/2002 |
| Surr: Dibromofluoromethane | 96.8 | 70-130 | | %REC | 1 | 11/26/2002 |
| Surr: Toluene-d8 | 114 | 70-130 | | %REC | 1 | 11/26/2002 |
| SEMIVOLATILES, TCLP LEACHED | | | | | | |
| 2,4,5-Trichlorophenol | ND | 400 | | mg/L | 1 | Analyst: CS
12/3/2002 |
| 2,4,6-Trichlorophenol | ND | 2.00 | | mg/L | 1 | 12/3/2002 |
| 2,4-Dinitrotoluene | ND | 0.130 | | mg/L | 1 | 12/3/2002 |
| Cresols, Total | ND | 200 | | mg/L | 1 | 12/3/2002 |
| Hexachlorobenzene | ND | 0.130 | | mg/L | 1 | 12/3/2002 |
| Hexachlorobutadiene | ND | 0.500 | | mg/L | 1 | 12/3/2002 |
| Hexachloroethane | ND | 3.00 | | mg/L | 1 | 12/3/2002 |
| Nitrobenzene | ND | 2.00 | | mg/L | 1 | 12/3/2002 |
| Pentachlorophenol | ND | 100 | | mg/L | 1 | 12/3/2002 |
| Pyridine | ND | 5.00 | | mg/L | 1 | 12/3/2002 |
| Surr: 2,4,6-Tribromophenol | 106 | 0-169 | | %REC | 1 | 12/3/2002 |
| Surr: 2-Fluorobiphenyl | 63.4 | 6-118 | | %REC | 1 | 12/3/2002 |
| Surr: 2-Fluorophenol | 52.2 | 0-103 | | %REC | 1 | 12/3/2002 |
| Surr: 4-Terphenyl-d14 | 59.5 | 3-135 | | %REC | 1 | 12/3/2002 |
| Surr: Nitrobenzene-d5 | 63.4 | 8-115 | | %REC | 1 | 12/3/2002 |

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 * - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range

Page 9 of 16

Hall Environmental Analysis Laboratory

Date: 05-Dec-02

CLIENT: Cypress Engineering
Lab Order: 0211151
Project: WT-1
Lab ID: 0211151-05

Client Sample E, Pit 4'
Collection 11/22/2002 11:00:00

Matrix: SOIL

| Analyses | Result | Limit | Qual | Units | DF | Date Analyzed |
|--------------------------------------|--------|-------|------|-------|----|---------------|
| Surr: Phenol-d8 | 36.0 | 0-127 | | %REC | 1 | 12/3/2002 |
| MERCURY, TCLP LEACHED | | | | | | Analyst: ADM |
| Mercury | ND | 0.020 | | mg/L | 1 | 12/2/2002 |
| EPA METHOD 6010C: TCLP METALS | | | | | | Analyst: ADM |
| Arsenic | ND | 5.0 | | mg/L | 1 | 11/29/2002 |
| Barium | ND | 100 | | mg/L | 1 | 11/29/2002 |
| Cadmium | ND | 1.0 | | mg/L | 1 | 11/29/2002 |
| Chromium | ND | 5.0 | | mg/L | 1 | 11/29/2002 |
| Lead | ND | 5.0 | | mg/L | 1 | 11/29/2002 |
| Selenium | ND | 1.0 | | mg/L | 1 | 11/29/2002 |
| Silver | ND | 5.0 | | mg/L | 1 | 11/29/2002 |

Qualifiers: ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Page 10 of 16

Hall Environmental Analysis Laboratory

Date: 04-Dec-02

CLIENT: Cypress Engineering
 Lab Order: 0211151
 Project: WT-1
 Lab ID: 0211151-06

Client Sample E. Pit 8'
 Collection 11/22/2002 11:10:00

Matrix: SOIL

| Analyses | Result | Limit | Qual | Units | DF | Date Analyzed |
|---|--------|--------|------|-------|-----|--------------------------------------|
| EPA METHOD 8015B: DIESEL RANGE | | | | | | |
| Diesel Range Organics (DRO) | 2200 | 1300 | | mg/Kg | 250 | Analyst: JMP
12/2/2002 1:51:15 PM |
| Motor Oil Range Organics (MRO) | 53000 | 13000 | | mg/Kg | 250 | 12/2/2002 1:51:15 PM |
| Surr: DNOP | 0 | 60-124 | S | %REC | 250 | 12/2/2002 1:51:15 PM |
| EPA METHOD 8015B: GASOLINE RANGE | | | | | | |
| Gasoline Range Organics (GRO) | 20 | 10 | | mg/Kg | 2 | Analyst: NB
11/26/2002 2:12:41 PM |
| Surr: BFB | 118 | 74-118 | | %REC | 2 | 11/26/2002 2:12:41 PM |
| VOLATILES, TCLP LEACHED | | | | | | |
| Benzene | ND | 0.50 | | mg/L | 1 | Analyst: JDC
11/26/2002 |
| 2-Butanone | ND | 200 | | mg/L | 1 | 11/26/2002 |
| Carbon Tetrachloride | ND | 0.50 | | mg/L | 1 | 11/26/2002 |
| Chlorobenzene | ND | 100 | | mg/L | 1 | 11/26/2002 |
| Chloroform | ND | 6.0 | | mg/L | 1 | 11/26/2002 |
| 1,4-Dichlorobenzene | ND | 7.5 | | mg/L | 1 | 11/26/2002 |
| 1,2-Dichloroethane (EDC) | ND | 0.50 | | mg/L | 1 | 11/26/2002 |
| 1,1-Dichloroethene | ND | 0.70 | | mg/L | 1 | 11/26/2002 |
| Hexachlorobutadiene | ND | 0.50 | | mg/L | 1 | 11/26/2002 |
| Tetrachloroethane (PCE) | ND | 0.70 | | mg/L | 1 | 11/26/2002 |
| Trichloroethene (TCE) | ND | 0.50 | | mg/L | 1 | 11/26/2002 |
| Vinyl chloride | ND | 0.20 | | mg/L | 1 | 11/26/2002 |
| Surr: 1,2-Dichloroethane-d4 | 97.4 | 70-130 | | %REC | 1 | 11/26/2002 |
| Surr: 4-Bromofluorobenzene | 106 | 70-130 | | %REC | 1 | 11/26/2002 |
| Surr: Dibromofluoromethane | 99.3 | 70-130 | | %REC | 1 | 11/26/2002 |
| Surr: Toluene-d8 | 112 | 70-130 | | %REC | 1 | 11/26/2002 |
| SEMIVOLATILES, TCLP LEACHED | | | | | | |
| 2,4,5-Trichlorophenol | ND | 400 | | mg/L | 1 | Analyst: CS
12/3/2002 |
| 2,4,6-Trichlorophenol | ND | 2.00 | | mg/L | 1 | 12/3/2002 |
| 2,4-Dinitrotoluene | ND | 0.130 | | mg/L | 1 | 12/3/2002 |
| Cresols, Total | ND | 200 | | mg/L | 1 | 12/3/2002 |
| Hexachlorobenzene | ND | 0.130 | | mg/L | 1 | 12/3/2002 |
| Hexachlorobutadiene | ND | 0.500 | | mg/L | 1 | 12/3/2002 |
| Hexachloroethane | ND | 3.00 | | mg/L | 1 | 12/3/2002 |
| Nitrobenzene | ND | 2.00 | | mg/L | 1 | 12/3/2002 |
| Pentachlorophenol | ND | 100 | | mg/L | 1 | 12/3/2002 |
| Pyridine | ND | 5.00 | | mg/L | 1 | 12/3/2002 |
| Surr: 2,4,6-Tribromophenol | 93.9 | 0-169 | | %REC | 1 | 12/3/2002 |
| Surr: 2-Fluorobiphenyl | 60.0 | 6-118 | | %REC | 1 | 12/3/2002 |
| Surr: 2-Fluorophenol | 50.3 | 0-103 | | %REC | 1 | 12/3/2002 |
| Surr: 4-Terphenyl-d14 | 33.2 | 3-135 | | %REC | 1 | 12/3/2002 |
| Surr: Nitrobenzene-d5 | 59.5 | 8-115 | | %REC | 1 | 12/3/2002 |

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 * - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range

Page 11 of 16

Hall Environmental Analysis Laboratory

Date: 04-Dec-02

CLIENT: Cypress Engineering
Lab Order: 0211151
Project: WT-1
Lab ID: 0211151-06

Client Sample E. Pit 8'
Collection 11/22/2002 11:10:00

Matrix: SOIL

| Analyses | Result | Limit | Qual | Units | DF | Date Analyzed |
|--------------------------------------|--------|-------|------|-------|----|---------------|
| Surr: Phenol-d6 | 34.0 | 0-127 | | %REC | 1 | 12/3/2002 |
| MERCURY, TCLP LEACHED | | | | | | Analyst: ADM |
| Mercury | ND | 0.020 | | mg/L | 1 | 12/2/2002 |
| EPA METHOD 6010C: TCLP METALS | | | | | | Analyst: ADM |
| Arsenic | ND | 5.0 | | mg/L | 1 | 11/29/2002 |
| Barium | ND | 100 | | mg/L | 1 | 11/29/2002 |
| Cadmium | ND | 1.0 | | mg/L | 1 | 11/29/2002 |
| Chromium | ND | 5.0 | | mg/L | 1 | 11/29/2002 |
| Lead | ND | 5.0 | | mg/L | 1 | 11/29/2002 |
| Selenium | ND | 1.0 | | mg/L | 1 | 11/29/2002 |
| Silver | ND | 5.0 | | mg/L | 1 | 11/29/2002 |

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Page 12 of 16

Hall Environmental Analysis Laboratory

Date: 04-Dec-02

CLIENT: Cypress Engineering
 Lab Order: 0211151
 Project: WT-1
 Lab ID: 0211151-07

Client Sample E. Pit 12'
 Collection 11/22/2002 11:20:00

Matrix: SOIL

| Analyses | Result | Limit | Qual | Units | DF | Date Analyzed |
|---|--------|--------|------|-------|-----|--------------------------------------|
| EPA METHOD 8015B: DIESEL RANGE | | | | | | |
| Diesel Range Organics (DRO) | 820 | 800 | | mg/Kg | 100 | Analyst: JMP
12/2/2002 2:20:02 PM |
| Motor Oil Range Organics (MRO) | 19000 | 5000 | | mg/Kg | 100 | 12/2/2002 2:20:02 PM |
| Surr: DNOP | 0 | 60-124 | S | %REC | 100 | 12/2/2002 2:20:02 PM |
| EPA METHOD 8015B: GASOLINE RANGE | | | | | | |
| Gasoline Range Organics (GRO) | 120 | 20 | | mg/Kg | 4 | Analyst: NB
11/26/2002 2:43:53 PM |
| Surr: BFB | 0 | 74-118 | S | %REC | 4 | 11/26/2002 2:43:53 PM |
| VOLATILES, TCLP LEACHED | | | | | | |
| Benzene | ND | 0.50 | | mg/L | 1 | Analyst: JDC
11/26/2002 |
| 2-Butanone | ND | 200 | | mg/L | 1 | 11/26/2002 |
| Carbon Tetrachloride | ND | 0.50 | | mg/L | 1 | 11/26/2002 |
| Chlorobenzene | ND | 100 | | mg/L | 1 | 11/26/2002 |
| Chloroform | ND | 6.0 | | mg/L | 1 | 11/26/2002 |
| 1,4-Dichlorobenzene | ND | 7.5 | | mg/L | 1 | 11/26/2002 |
| 1,2-Dichloroethane (EDC) | ND | 0.50 | | mg/L | 1 | 11/26/2002 |
| 1,1-Dichloroethene | ND | 0.70 | | mg/L | 1 | 11/26/2002 |
| Hexachlorobutadiene | ND | 0.50 | | mg/L | 1 | 11/26/2002 |
| Tetrachloroethene (PCE) | ND | 0.70 | | mg/L | 1 | 11/26/2002 |
| Trichloroethene (TCE) | ND | 0.50 | | mg/L | 1 | 11/26/2002 |
| Vinyl chloride | ND | 0.20 | | mg/L | 1 | 11/26/2002 |
| Surr: 1,2-Dichloroethane-d4 | 96.8 | 70-130 | | %REC | 1 | 11/26/2002 |
| Surr: 4-Bromofluorobenzene | 105 | 70-130 | | %REC | 1 | 11/26/2002 |
| Surr: Dibromofluoromethane | 97.0 | 70-130 | | %REC | 1 | 11/26/2002 |
| Surr: Toluene-d8 | 110 | 70-130 | | %REC | 1 | 11/26/2002 |
| SEMIVOLATILES, TCLP LEACHED | | | | | | |
| 2,4,5-Trichlorophenol | ND | 400 | | mg/L | 1 | Analyst: CS
12/3/2002 |
| 2,4,6-Trichlorophenol | ND | 2.00 | | mg/L | 1 | 12/3/2002 |
| 2,4-Dinitrotoluene | ND | 0.130 | | mg/L | 1 | 12/3/2002 |
| Cresols, Total | ND | 200 | | mg/L | 1 | 12/3/2002 |
| Hexachlorobenzene | ND | 0.130 | | mg/L | 1 | 12/3/2002 |
| Hexachlorobutadiene | ND | 0.500 | | mg/L | 1 | 12/3/2002 |
| Hexachloroethane | ND | 3.00 | | mg/L | 1 | 12/3/2002 |
| Nitrobenzene | ND | 2.00 | | mg/L | 1 | 12/3/2002 |
| Pentachlorophenol | ND | 100 | | mg/L | 1 | 12/3/2002 |
| Pyridine | ND | 5.00 | | mg/L | 1 | 12/3/2002 |
| Surr: 2,4,6-Tribromophenol | 84.5 | 0-169 | | %REC | 1 | 12/3/2002 |
| Surr: 2-Fluorobiphenyl | 51.0 | 6-118 | | %REC | 1 | 12/3/2002 |
| Surr: 2-Fluorophenol | 44.6 | 0-103 | | %REC | 1 | 12/3/2002 |
| Surr: 4-Terphenyl-d14 | 31.1 | 3-135 | | %REC | 1 | 12/3/2002 |
| Surr: Nitrobenzene-d5 | 49.9 | 8-115 | | %REC | 1 | 12/3/2002 |

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 * - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range

Page 13 of 16

Hall Environmental Analysis Laboratory

Date: 04-Dec-02

CLIENT: Cypress Engineering
 Lab Order: 0211151
 Project: WT-1
 Lab ID: 0211151-07

Client Sample E. Pit 12'
 Collection 11/22/2002 11:20:00

Matrix: SOIL

| Analyses | Result | Limit | Qual | Units | DF | Date Analyzed |
|--------------------------------------|--------|-------|------|-------|----|---------------|
| Surr: Phenol-d8 | 30.9 | 0-127 | | %REC | 1 | 12/3/2002 |
| MERCURY, TCLP LEACHED | | | | | | |
| Mercury | ND | 0.020 | | mg/L | 1 | 12/2/2002 |
| EPA METHOD 6010C: TCLP METALS | | | | | | |
| Arsenic | ND | 5.0 | | mg/L | 1 | 11/29/2002 |
| Barium | ND | 100 | | mg/L | 1 | 11/29/2002 |
| Cadmium | ND | 1.0 | | mg/L | 1 | 11/29/2002 |
| Chromium | ND | 5.0 | | mg/L | 1 | 11/29/2002 |
| Lead | ND | 5.0 | | mg/L | 1 | 11/29/2002 |
| Selenium | ND | 1.0 | | mg/L | 1 | 11/29/2002 |
| Silver | ND | 5.0 | | mg/L | 1 | 11/29/2002 |

Analyst: ADM

12/2/2002

Analyst: ADM

Qualifiers:
 ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 * - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range

Hall Environmental Analysis Laboratory

Date: 04-Dec-02

CLIENT: Cypress Engineering
 Lab Order: 0211151
 Project: WT-1
 Lab ID: 0211151-08

Client Sample E. Pit 13'
 Collection 11/22/2002 12:30:00

Matrix: SOIL

| Analyses | Result | Limit | Qual | Units | DF | Date Analyzed |
|---|--------|--------|------|-------|-----|---------------------------------------|
| EPA METHOD 8015B: DIESEL RANGE | | | | | | |
| Diesel Range Organics (DRO) | 750 | 500 | | mg/Kg | 100 | Analyst: JMP
12/2/2002 2:40:16 PM |
| Motor Oil Range Organics (MRO) | 22000 | 5000 | | mg/Kg | 100 | 12/2/2002 2:40:16 PM |
| Sum: DNOP | 0 | 60-124 | S | %REC | 100 | 12/2/2002 2:40:16 PM |
| EPA METHOD 8015B: GASOLINE RANGE | | | | | | |
| Gasoline Range Organics (GRO) | 70 | 20 | | mg/Kg | 4 | Analyst: NB
11/26/2002 12:10:08 PM |
| Sum: BFB | 0 | 74-118 | S | %REC | 4 | 11/26/2002 12:10:08 PM |
| VOLATILES, TCLP LEACHED | | | | | | |
| Benzene | ND | 0.50 | | mg/L | 1 | Analyst: JDC
11/26/2002 |
| 2-Butanone | ND | 200 | | mg/L | 1 | 11/26/2002 |
| Carbon Tetrachloride | ND | 0.50 | | mg/L | 1 | 11/26/2002 |
| Chlorobenzene | ND | 100 | | mg/L | 1 | 11/26/2002 |
| Chloroform | ND | 6.0 | | mg/L | 1 | 11/26/2002 |
| 1,4-Dichlorobenzene | ND | 7.5 | | mg/L | 1 | 11/26/2002 |
| 1,2-Dichloroethane (EDC) | ND | 0.50 | | mg/L | 1 | 11/26/2002 |
| 1,1-Dichloroethene | ND | 0.70 | | mg/L | 1 | 11/26/2002 |
| Hexachlorobutadiene | ND | 0.50 | | mg/L | 1 | 11/26/2002 |
| Tetrachloroethene (PCE) | ND | 0.70 | | mg/L | 1 | 11/26/2002 |
| Trichloroethene (TCE) | ND | 0.50 | | mg/L | 1 | 11/26/2002 |
| Vinyl chloride | ND | 0.20 | | mg/L | 1 | 11/26/2002 |
| Sum: 1,2-Dichloroethane-d4 | 90.9 | 70-130 | | %REC | 1 | 11/26/2002 |
| Sum: 4-Bromofluorobenzene | 102 | 70-130 | | %REC | 1 | 11/26/2002 |
| Sum: Dibromofluoromethane | 84.8 | 70-130 | | %REC | 1 | 11/26/2002 |
| Sum: Toluene-d8 | 112 | 70-130 | | %REC | 1 | 11/26/2002 |
| SEMIVOLATILES, TCLP LEACHED | | | | | | |
| 2,4,5-Trichlorophenol | ND | 400 | | mg/L | 1 | Analyst: CB
12/4/2002 |
| 2,4,6-Trichlorophenol | ND | 2.00 | | mg/L | 1 | 12/4/2002 |
| 2,4-Dinitrotoluene | ND | 0.130 | | mg/L | 1 | 12/4/2002 |
| Cresols, Total | ND | 200 | | mg/L | 1 | 12/4/2002 |
| Hexachlorobenzene | ND | 0.130 | | mg/L | 1 | 12/4/2002 |
| Hexachlorobutadiene | ND | 0.600 | | mg/L | 1 | 12/4/2002 |
| Hexachloroethane | ND | 3.00 | | mg/L | 1 | 12/4/2002 |
| Nitrobenzene | ND | 2.00 | | mg/L | 1 | 12/4/2002 |
| Pentachlorophenol | ND | 100 | | mg/L | 1 | 12/4/2002 |
| Pyridine | ND | 5.00 | | mg/L | 1 | 12/4/2002 |
| Sum: 2,4,6-Tribromophenol | 26.5 | 0-169 | | %REC | 1 | 12/4/2002 |
| Sum: 2-Fluorobiphenyl | 15.6 | 6-118 | | %REC | 1 | 12/4/2002 |
| Sum: 2-Fluorophenol | 12.4 | 0-103 | | %REC | 1 | 12/4/2002 |
| Sum: 4-Terphenyl-d14 | 8.99 | 3-135 | | %REC | 1 | 12/4/2002 |
| Sum: Nitrobenzene-d5 | 13.1 | 8-115 | | %REC | 1 | 12/4/2002 |

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 B - Analyte detected in the associated Method Blank
 * - Value exceeds Maximum Contaminant Level

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 E - Value above quantitation range

Page 15 of 16

Hall Environmental Analysis Laboratory**Date:** 04-Dec-02**CLIENT:** Cypress Engineering
Lab Order: 0211151
Project: WT-1
Lab ID: 0211151-08**Client Sample** E. Pit 13'
Collection 11/22/2002 12:30:00**Matrix:** SOIL

| Analyses | Result | Limit | Qual | Units | DF | Date Analyzed |
|--------------------------------------|---------------|--------------|-------------|--------------|-----------|----------------------|
| Surr: Phenol-d6 | 6.10 | 0-127 | | %REC | 1 | 12/4/2002 |
| MERCURY, TCLP LEACHED | | | | | | Analyst: ADM |
| Mercury | ND | 0.020 | | mg/L | 1 | 12/2/2002 |
| EPA METHOD 6010C: TCLP METALS | | | | | | Analyst: ADM |
| Arsenic | ND | 5.0 | | mg/L | 1 | 11/29/2002 |
| Barium | ND | 100 | | mg/L | 1 | 11/29/2002 |
| Cadmium | ND | 1.0 | | mg/L | 1 | 11/29/2002 |
| Chromium | ND | 5.0 | | mg/L | 1 | 11/29/2002 |
| Lead | ND | 5.0 | | mg/L | 1 | 11/29/2002 |
| Selenium | ND | 1.0 | | mg/L | 1 | 11/29/2002 |
| Silver | ND | 5.0 | | mg/L | 1 | 11/29/2002 |

Qualifiers:ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant LevelS - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range

Page 16 of 16

SVL ANALYTICAL, INC.

One Government Gulch ■ P.O. Box 929 ■ Kellogg, Idaho 83827-0929 ■ Phone: (208)784-1258 ■ Fax: (208)783-0891

REPORT OF ANALYTICAL RESULTS

CLIENT : Hall Environmental
PROJECT: WT-1Sample Receipt: 11/25/02 Page 1 of 1
Report Date: 12/03/02 SVL JOB: 104122

| SVL ID | CLIENT SAMPLE ID | | CORR
9045 | React
SH846 | IGNIT
1010 |
|---------|------------------|----------|--------------|----------------|---------------|
| S317900 | W.PIT 4' | 11/22/02 | 7.55 | NO | >140°F |
| S317901 | W.PIT 8' | 11/22/02 | 7.56 | NO | >140°F |
| S317902 | W.PIT 12' | 11/22/02 | 7.66 | NO | >140°F |
| S317903 | W.PIT 13' | 11/22/02 | 7.53 | NO | >140°F |
| S317904 | E.PIT 4' | 11/22/02 | 6.78 | NO | >140°F |
| S317905 | E.PIT 8' | 11/22/02 | 7.88 | NO | >140°F |
| S317906 | E.PIT 12' | 11/22/02 | 7.87 | NO | >140°F |
| S317907 | E.PIT 13' | 11/22/02 | 7.90 | NO | >140°F |

Soil Samples: As Received Basis

Certificate:

Reviewed By:

*Blake Johnson*Date: 12/5/02

QC SUMMARY REPORT

Method Blank

CLIENT: Cypress Engineering
 Work Order: 0211151
 Project: WT-1

| Sample | MB-2028 | Batch | 2028 | Test | SW88915 | Units: mg/Kg | Analysis | 11/26/2002 3:14:31 PM | Prep | 11/25/2002 |
|-------------------------------|----------|-------|------|----------|-----------------|--------------|----------|-----------------------|-----------|-------------|
| Client ID: | | | | Run ID: | PIDFID_021128A | | SeqNo: | 150083 | | |
| Analyte | | | | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val |
| Gasoline Range Organics (GRO) | | | | 5.0 | 0 | 0 | 91.9 | 74 | 118 | 0 |
| Surr: BFB | | | | | | | | | | J |
| Sample | 5ml 10-b | Batch | 2015 | Test | SW1311/826 | Units: mg/L | Analysis | 11/26/2002 | Prep | 11/23/2002 |
| Client ID: | | | | Run ID: | NEPTUNE_021125B | | SeqNo: | 150034 | | |
| Analyte | | | | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val |
| Benzene | | | | 0.50 | | | | | | |
| 2-Butanone | | | | 200 | | | | | | |
| Carbon Tetrachloride | | | | 0.50 | | | | | | |
| Chlorobenzene | | | | 100 | | | | | | |
| Chloroform | | | | 6.0 | | | | | | |
| 1,4-Dichlorobenzene | | | | 7.5 | | | | | | |
| 1,2-Dichloroethane (EDC) | | | | 0.50 | | | | | | |
| 1,1-Dichloroethene | | | | 0.70 | | | | | | |
| Hexachlorobutadiene | | | | 0.50 | | | | | | |
| Tetrachloroethene (PCE) | | | | 0.70 | | | | | | |
| Trichloroethene (TCE) | | | | 0.50 | | | | | | |
| Vinyl chloride | | | | 0.20 | | | | | | |
| Surr: 1,2-Dichloroethane-d4 | | | | 0.009334 | 0.01 | 0 | 93.3 | 70 | 130 | 0 |
| Surr: 4-Bromofluorobenzene | | | | 0.01013 | 0.01 | 0 | 101 | 70 | 130 | 0 |
| Surr: Dibromofluoromethane | | | | 0.009304 | 0.01 | 0 | 93.0 | 70 | 130 | 0 |
| Surr: Toluene-d8 | | | | 0.01088 | 0.01 | 0 | 107 | 70 | 130 | 0 |

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank

2

QC SUMMARY REPORT

Method Blank

CLIENT: Cypress Engineering
 Work Order: 0211151
 Project: WT-1

| Sample | NB-2840 | Batch | 2840 | Test | SPK1311827 | Units: mg/L | Analysis | 12/31/2002 | Prep | 11/27/2002 |
|-----------------------------|---------|-------|------|---------|--------------|-------------|----------|------------|-----------|-------------|
| Client ID: | | | | Run ID: | ELNO_021203A | | SeqNo: | 150840 | | |
| Analyte | | | | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val |
| 2,4,5-Trichlorophenol | | | | 400 | | | | | | |
| 2,4,6-Trichlorophenol | | | | 2.0 | | | | | | |
| 2,4-Dinitrotoluene | | | | 0.13 | | | | | | |
| Cresols, Total | | | | 200 | | | | | | |
| Hexachlorobenzene | | | | 0.13 | | | | | | |
| Hexachlorobutadiene | | | | 0.50 | | | | | | |
| Hexachlorocyclopentadiene | | | | 3.0 | | | | | | |
| Nitrobenzene | | | | 2.0 | | | | | | |
| Pentachlorophenol | | | | 100 | | | | | | |
| Pyridine | | | | 5.0 | | | | | | |
| Surr: 2,4,6-Trichlorophenol | | | | | 200 | 0 | 72.8 | 0 | 169 | 0 |
| Surr: 2-Fluorobiphenyl | | | | | 100 | 0 | 46.8 | 0 | 118 | 0 |
| Surr: 2-Fluorophenol | | | | | 200 | 0 | 50.0 | 0 | 103 | 0 |
| Surr: 4-Terphenyl-d14 | | | | | 100 | 0 | 28.9 | 3 | 135 | 0 |
| Surr: Nitrobenzene-d5 | | | | | 100 | 0 | 59.3 | 8 | 115 | 0 |
| Surr: Phenol-d6 | | | | | 200 | 0 | 31.9 | 0 | 127 | 0 |

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits
 S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits
 B - Analyte detected in the associated Method Blank

2

QC SUMMARY REPORT

Laboratory Control Spike - generic

CLIENT: Cypress Engineering
Work Order: 0211151
Project: WT-1

| Sample | LCS-2840 | Batch | 2840 | Test | SW1311/BS7 | Units: mg/L | Analysis | 12/31/2002 | Prep | 11/27/2002 | | | |
|-----------------------|----------|-------|--------|---------|--------------|-------------|----------|------------|-----------|-------------|------|----------|------|
| Client ID: | | | | Run ID: | ELMD_021203A | | SecNo: | 150941 | | | | | |
| Analyte | | | Result | PQL | SPK value | SPK Ref Val | %REC | LowLimit | HighLimit | RPD Ref Val | %RPD | RPDLimit | Qual |
| 2,4,5-Trichlorophenol | | | 43.15 | 400 | 100 | 0 | 43.1 | 9.57 | 92.2 | 0 | | | J |
| 2,4,6-Trichlorophenol | | | 40.88 | 2.0 | 100 | 0 | 40.9 | 13 | 85.4 | 0 | | | |
| 2,4-Dinitrotoluene | | | 54.32 | 0.13 | 100 | 0 | 54.3 | 21.5 | 89 | 0 | | | |
| Cresols, Total | | | 125.4 | 200 | 300 | 0 | 41.8 | 19.2 | 98.2 | 0 | | | J |
| Hexachlorobenzene | | | 83.27 | 0.13 | 100 | 0 | 83.3 | 22.9 | 144 | 0 | | | |
| Hexachlorobutadiene | | | 33.75 | 0.50 | 100 | 0 | 33.8 | 10.1 | 86 | 0 | | | |
| Hexachlorobiphenyl | | | 38.23 | 3.0 | 100 | 0 | 38.2 | 15.2 | 84.1 | 0 | | | |
| Nitrobenzene | | | 49.32 | 2.0 | 100 | 0 | 49.3 | 12.5 | 105 | 0 | | | |
| Pentachlorophenol | | | 59.42 | 100 | 100 | 0 | 59.4 | 32.8 | 88.9 | 0 | | | J |

Qualifiers:

ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits

B - Analyte detected in the associated Method Blank

Hall Environmental Analysis Laboratory

Date: 04-Dec-02

QC SUMMARY REPORT

Sample Matrix Spike

CLIENT: Cypress Engineering
 Work Order: 0211151
 Project: WT-1

| Sample Client ID: | 0211151-01aMS | Batch | 2824 | Test Run ID: | SW8015 | Units: mg/Kg | PID/FID_021125A | PQL | SPK value | SPK Ref Val | %REC | Low Limit | High Limit | RPD Ref Val | %RPD | RPD Limit | Qual |
|-------------------|-------------------------------|-------|------|--------------|--------|--------------|-----------------|-----|-----------|-------------|------|-----------|------------|-------------|------|-----------|------|
| Analyte | Gasoline Range Organics (GRO) | | | | | | | 5.0 | 25 | 1.4 | 95.0 | 85.8 | 111 | 0 | | | |
| Sum: BFB | | | | | | | | 0 | 1250 | 0 | 96.6 | 74 | 118 | 0 | | | |
| Sample Client ID: | 0211151-01aMSD | Batch | 2824 | Test Run ID: | SW8015 | Units: mg/Kg | PID/FID_021125A | PQL | SPK value | SPK Ref Val | %REC | Low Limit | High Limit | RPD Ref Val | %RPD | RPD Limit | Qual |
| Analyte | Gasoline Range Organics (GRO) | | | | | | | 5.0 | 25 | 1.4 | 96.8 | 85.8 | 111 | 25.14 | 1.77 | 11.8 | |
| Sum: BFB | | | | | | | | 0 | 1250 | 0 | 99.1 | 74 | 118 | 1208 | 2.56 | 0 | |
| Sample Client ID: | 0211143-06aMS | Batch | 2828 | Test Run ID: | SW8015 | Units: mg/Kg | PID/FID_021126A | PQL | SPK value | SPK Ref Val | %REC | Low Limit | High Limit | RPD Ref Val | %RPD | RPD Limit | Qual |
| Analyte | Gasoline Range Organics (GRO) | | | | | | | 5.0 | 25 | 1.34 | 96.5 | 85.8 | 111 | 0 | | | |
| Sum: BFB | | | | | | | | 0 | 1250 | 0 | 102 | 74 | 118 | 0 | | | |
| Sample Client ID: | 0211143-06aMSD | Batch | 2828 | Test Run ID: | SW8015 | Units: mg/Kg | PID/FID_021126A | PQL | SPK value | SPK Ref Val | %REC | Low Limit | High Limit | RPD Ref Val | %RPD | RPD Limit | Qual |
| Analyte | Gasoline Range Organics (GRO) | | | | | | | 5.0 | 25 | 1.34 | 94.0 | 85.8 | 111 | 25.47 | 2.54 | 11.6 | |
| Sum: BFB | | | | | | | | 0 | 1250 | 0 | 101 | 74 | 118 | 1279 | 1.57 | 0 | |

Qualifiers: ND - Not Detected at the Reporting Limit
 J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits
 R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank
 2

SVL ANALYTICAL, INC.

Quality Control Report
Part I Prep Blank and Laboratory Control Sample

| Client :Hall Environmental | | | | | SVL JOB No: 104173 | | | |
|----------------------------|--------|--------|-------|------------|--------------------|--------|---------------|--|
| Analyte | Method | Matrix | Units | Prep Blank | True—LCS—Found | LCS %R | Analysis Date | |
| Silver | 6010B | WATER | mg/L | <0.0050 | 1.00 1.07 | 107.0 | 11/29/02 | |
| Arsenic | 6010B | WATER | mg/L | <0.010 | 1.00 1.10 | 110.0 | 11/29/02 | |
| Barium | 6010B | WATER | mg/L | <0.0020 | 1.00 1.04 | 104.0 | 11/29/02 | |
| Cadmium | 6010B | WATER | mg/L | <0.0020 | 1.00 1.07 | 107.0 | 11/29/02 | |
| Chromium | 6010B | WATER | mg/L | <0.0060 | 1.00 1.07 | 107.0 | 11/29/02 | |
| Lead | 6010B | WATER | mg/L | <0.0050 | 1.00 1.06 | 106.0 | 11/29/02 | |
| Selenium | 6010B | WATER | mg/L | <0.010 | 1.00 1.09 | 109.0 | 11/29/02 | |
| Mercury | 7470 | WATER | mg/L | <0.0002 | 0.0050 0.0052 | 104.0 | 12/02/02 | |

LEGEND:

LCS = Laboratory Control Sample

LCS %R = LCS Percent Recovery

N/A = Not Applicable

12/03/02 12:32

SVL ANALYTICAL, INC.

Quality Control Report
Part II Duplicate and Spike Analysis

| Client :Hall Environmental | | | | SVL JOB No: 104173 | | | | |
|----------------------------|-------------|--------------|------------------|--------------------|--------------|--------|---------|----------------|
| Test Method Matrix | | QC SAMPLE ID | Duplicate or MSD | | Matrix Spike | | | Analysis |
| | | Units | Result | Found | RPD% | Result | SPK ADD | %R Date |
| Ag | 6010B WATER | 1 mg/L | <0.0050 | <0.0050 | UDL | 1.18 | 1.00 | 118.0 11/29/02 |
| As | 6010B WATER | 1 mg/L | 0.072 | 0.069 | 4.3 | 1.34 | 1.00 | 126.8 11/29/02 |
| As | 6010B WATER | 1 mg/L | 0.072 | N/A | N/A | 1.31 | 1.00 A | 123.8 11/29/02 |
| Ba | 6010B WATER | 1 mg/L | 0.507 | 0.516 | 1.8 | 1.52 | 1.00 | 101.3 11/29/02 |
| Cd | 6010B WATER | 1 mg/L | <0.0020 | <0.0020 | UDL | 1.01 | 1.00 | 101.0 11/29/02 |
| Cr | 6010B WATER | 1 mg/L | <0.0060 | <0.0060 | UDL | 1.03 | 1.00 | 103.0 11/29/02 |
| Pb | 6010B WATER | 1 mg/L | 0.0061 | <0.0050 | 200.0 | 1.00 | 1.00 | 99.4 11/29/02 |
| Se | 6010B WATER | 1 mg/L | 0.013 | 0.017 | 26.7 | 1.31 | 1.00 | 129.7 11/29/02 |
| Se | 6010B WATER | 1 mg/L | 0.013 | N/A | N/A | 1.27 | 1.00 A | 125.7 11/29/02 |
| Hg | 7470 WATER | 1 mg/L | 0.0013 | 0.0017 | 26.7 | 0.0022 | 0.0010 | 90.0 12/02/02 |

LEGEND:

RPD% = $(|SAM - DUP| / ((SAM + DUP) / 2)) * 100$ UDL = Both SAM & DUP not detected. *Result or *Found: Interference required dilution.

RPD% = $(|SPK - MSD| / ((SPK + MSD) / 2)) * 100$ M in Duplicate/MSD column indicates MSD.

SPIKE ADD column, A = Post Digest Spike; XR = Percent Recovery N/A = Not Analyzed; R > 46 = Result more than 4X the Spike Added

QC Sample 1: SVL SAM No.: 318316 Client Sample ID: 0211151-1

SVL ANALYTICAL, INC.

Quality Control Report
Part I Prep Blank and Laboratory Control Sample

| Client :Hall Environmental | | | | | SVL JOB No: 104122 | | | Analysis |
|----------------------------|--------|--------|--------------|------------|--------------------|--------|------|----------|
| Analyte | Method | Matrix | Units | Prep Blank | True—LCS—Found | LCS %R | Date | |
| Corrosivity | 9045 | SOIL | YES/NO
°F | 5.9 | 8.6 | 8.5 | 98.8 | 12/02/02 |
| Reactivity | SW846 | SOIL | | NO | N/A | | N/A | 12/02/02 |
| Ignitibility | 1010 | SOIL | | N/A | 81.0 | 80.0 | 98.8 | 12/02/02 |

LEGEND:

LCS = Laboratory Control Sample

LCS %R = LCS Percent Recovery

N/A = Not Applicable

12/03/02 10:15

SVL ANALYTICAL, INC.

Quality Control Report
Part II Duplicate and Spike Analysis

| Client :Hall Environmental | | | | | | | SVL JOB No: 104122 | | |
|----------------------------|------------|--------------|--------|------------------|------|--------------|--------------------|----------|----------|
| Test Method Matrix | | QC SAMPLE ID | | Duplicate or MSD | | Matrix Spike | | Analysis | |
| | | Units | Result | Found | RPD% | Result | SPK ADD | ER | Date |
| CORR | 9045 SOIL | 1 | 7.6 | 7.6 | 0.0 | N/A | N/A | N/A | 12/02/02 |
| React | SW846 SOIL | 1 YES/NO | NO | NO | N/A | N/A | N/A | N/A | 12/02/02 |
| IGNIT | 1010 SOIL | 1 °F | >140 | >140 | N/A | N/A | N/A | N/A | 12/02/02 |

LEGEND:

RPD% = $(|SAM - DUP| / ((SAM + DUP)/2)) * 100$ UEL = Both SAM & DUP not detected, *Result or *Found: Interference required dilution.

SPD% = $(|SPK - MSD| / ((SPK + MSD)/2)) * 100$ M in Duplicate/MSD column indicates MSD.

SPIKE ADD column, A = Post Digest Spike; ER = Percent Recovery N/A = Not Analyzed; R > 4S = Result more than 4X the Spike Added

QC Sample 1: SVL SAM No.: 317900 Client Sample ID: W.PIT 4'

12/03/02 10:15

Controlled Recovery Inc.
P.O. Box 388
Hobbs, N.M. 88241-0388
Phone: (505) 393-1079
Fax: (505) 393-3615

Controlled Recovery Inc.

Fax

| | |
|------------------------|----------------------------|
| To: Ms Martyne Keeling | From: Lary Parker |
| Fax: 505-476-3488 | Pages: 32, including cover |
| Phone: 505-476-3462 | Date: 12/10/2002 |
| Re: | CC: |

☐ Urgent ☐ For Review ☐ Please Comment ☐ Please Reply ☐ Please Recycle

Martyne; If possible could you review these two request and give us verbal approval. These companies want to complete these projects before Christmas if possible. I explained that it would take getting verbal approval and to please give ample time in the future for normal processing. *Thank you for all your help!!*

David Parsons

District I
8625 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-138
Revised March 17, 1999

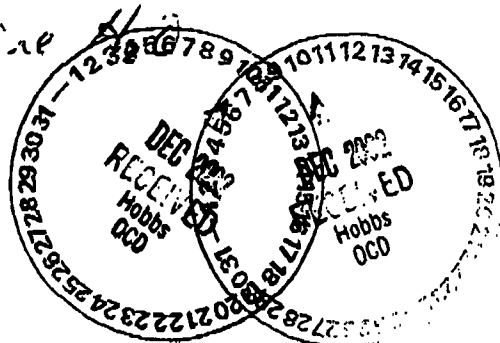
Submit Original
Plus 1 Copy
to Appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

| | |
|---|---|
| 1. RCRA Exempt: ☐ Non-Exempt: ☒
☒ Verbal Approval Received: Yes ☐ No ☒
Marilyn Kichy 12-12-02 | 4. Generator <u>MT Drilling Fluid</u> |
| 2. Management Facility Destination <u>Controlled Recovery Inc.</u> | 5. Originating Site <u>4417 Loring Rd Hwy 14 N.</u> |
| 3. Address of Facility Operator <u>P.O. Box 388, Hobbs</u> | 6. Transporter <u>Mac/As/Py</u> |
| 7. Location of Material (Street Address or ULSTR) <u>4417 Loring Rd Hwy 14 N.</u> | 8. State <u>New Mexico</u> |
| 9. Circle One:
A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator, one certificate per job.
B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved.
All transporters must certify the wastes delivered are only those consigned for transport. | |

BRIEF DESCRIPTION OF MATERIAL:

unused drilling mud, fresh & brine



Estimated Volume 1750 BBLs Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE David Parsons TITLE: V.P. DATE: 12-9-02
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: David Parsons TELEPHONE NO: 505-393-1879

| | | |
|---------------------------------|---------------------------------------|-----------------------|
| (This space for State Use) | | |
| APPROVED BY: <u>[Signature]</u> | TITLE: <u>EMMS EMT</u> | DATE: <u>12-11-02</u> |
| APPROVED BY: <u>[Signature]</u> | TITLE: <u>Environmental biologist</u> | DATE: <u>12-12-02</u> |

12-202121

Dec 09 02 12:05p

maclaskay oilfield service 505 393 1455

p. 1

NOV 01 2002 11:20AM

MI/DRAVV 400 101 3110

NOV 08 2

P. 13

18/15/2002 14:44

15053933615

CONTROLLED RECOVERY

PAGE 02/02

**CERTIFICATE OF WASTE STATUS
NON-EXEMPT WASTE MATERIAL
"AS REQUIRED BY NEW MEXICO OIL CONSERVATION DIVISION"**

COMPANY / GENERATOR MI Drilling MudADDRESS 4417 Irvington Hwy., Hobbs, NM 88240GENERATING SITE Same as aboveCOUNTY Lea STATE NMTYPE OF WASTE Unused drilling mudESTIMATED VOLUME Approx. 1,500 bbls.GENERATING PROCESS Unused drilling mud

REMARKS _____

NMOCD FACILITY Controlled Recovery, Inc.TRUCKING COMPANY Maclaskay

As a condition of acceptance for disposal, I hereby certify that this waste is a non-exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. To my knowledge, this waste will be analyzed pursuant to the provisions of 40 CFR Part 261 to verify the nature as non-hazardous. I further certify that to my knowledge "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has not been added or mixed with the waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, Sections 2613.

AGENT J.E. Hazlewood
SIGNATURENAME John Hazlewood
PRINTED

ADDRESS _____

DATE 12/9/02



PHONE (815) 873-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
CONTROLLED RECOVERY, INC.

ATTN: DAVID PARSONS

P.O. BOX 388

HOBBS, NM 88241

FAX TO: (505) 393-3615

Receiving Date: 09/19/02

Reporting Date: 09/24/02

Project Number: NOT GIVEN

Project Name: MI DRILLING MUD

Project Location: HOBBS, NM

Sampling Date: 09/18/02

Sample Type: SLUDGE

Sample Condition: COOL & INTACT

Sample Received By: BC

Analyzed By: AH

TCLP METALS

| LAB NO. | SAMPLE ID | As
ppm | Ag
ppm | Ba
ppm | Cd
ppm | Cr
ppm | Pb
ppm | Hg
ppm | Se
ppm |
|---------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
|---------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|

| | | | | | | | | |
|-----------------------------|----------|----------|----------|----------|----------|----------|----------|----------|
| ANALYSIS DATE: | 09/20/02 | 09/24/02 | 09/24/02 | 09/24/02 | 09/24/02 | 09/24/02 | 09/20/02 | 09/20/02 |
| EPA LIMITS: | 5 | 5 | 100 | 1 | 5 | 5 | 0.2 | 1 |
| H7054-1 1&2 | <1 | <1 | <5 | <0.1 | <1 | <2 | <0.02 | <0.1 |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| Quality Control | 0.049 | 4.941 | 24.27 | 0.553 | 4.911 | 4.969 | 0.0101 | 0.047 |
| True Value QC | 0.050 | 5.000 | 25.00 | 0.500 | 5.000 | 5.000 | 0.0100 | 0.050 |
| % Recovery | 98.0 | 98.8 | 97.1 | 111 | 98.2 | 99.4 | 101 | 94.0 |
| Relative Standard Deviation | 1.8 | 0.1 | 0.9 | 0.1 | 0.2 | 1.0 | 1.0 | 4.7 |

| | | | | | | | | |
|------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| METHODS: EPA 1311, 600/4-91, | 206.2 | 272.1 | 208.1 | 213.1 | 218.1 | 239.1 | 245.1 | 270.2 |
|------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|

Amy Hill
Chemist

9-24-02
Date

H7054

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise.



PHONE (815) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

PHONE (505) 393-2328 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
CONTROLLED RECOVERY, INC.
ATTN: DAVE PARSONS
P.O. BOX 388
HOBBS, NM 88241
FAX TO: (505) 393-3615

Receiving Date: 09/19/02
Reporting Date: 09/20/02
Project Number: NOT GIVEN
Project Name: MI DRILLING MUD
Project Location: HOBBS, NM
Lab Number: H7054-1
Sample ID: 1&2

Analysis Date: 09/20/02
Sampling Date: 09/16/02
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: BC

| TCLP SEMIVOLATILES (ppm) | EPA
LIMIT | Sample Result
H7054-1 | Method
Blank | QC | % Recov. | True Value
QC |
|--------------------------|--------------|--------------------------|-----------------|-------|----------|------------------|
| Pyridine | 5.00 | <0.020 | <0.005 | 0.031 | 62 | 0.050 |
| 1,4-Dichlorobenzene | 7.50 | <0.020 | <0.005 | 0.028 | 56 | 0.050 |
| o-Cresol | 200 | <0.020 | <0.005 | 0.039 | 78 | 0.050 |
| m, p-Cresol | 200 | <0.020 | <0.005 | 0.041 | 82 | 0.050 |
| Hexachloroethane | 3.00 | <0.020 | <0.005 | 0.027 | 54 | 0.050 |
| Nitrobenzene | 2.00 | <0.020 | <0.005 | 0.047 | 94 | 0.050 |
| Hexachloro-1,3-butadiene | 0.500 | <0.020 | <0.005 | 0.033 | 66 | 0.050 |
| 2,4,6-Trichlorophenol | 2.00 | <0.020 | <0.005 | 0.047 | 94 | 0.050 |
| 2,4,5-Trichlorophenol | 400 | <0.020 | <0.005 | 0.043 | 86 | 0.050 |
| 2,4-Dinitrotoluene | 0.130 | <0.020 | <0.005 | 0.044 | 88 | 0.050 |
| Hexachlorobenzene | 0.130 | <0.020 | <0.005 | 0.047 | 94 | 0.050 |
| Pentachlorophenol | 100 | <0.020 | <0.005 | 0.044 | 88 | 0.050 |

% RECOVERY

| | |
|----------------------|----|
| Fluorophenol | 85 |
| Phenol-d5 | 49 |
| Nitrobenzene-d5 | 89 |
| 2-Fluorobiphenyl | 66 |
| 2,4,6-Tribromophenol | 99 |
| Terphenyl-d14 | 52 |

METHODS: EPA SW-846 1311, 8270, 3510

Burgess J.A. Cooke
Burgess J.A. Cooke, PH. D.

9/20/02
Date

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PHONE (915) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
CONTROLLED RECOVERY, INC.

ATTN: DAVE PARSONS

P.O. BOX 388

HOBBS, NM 88241

FAX TO: (505) 393-3615

Receiving Date: 09/19/02

Reporting Date: 09/20/02

Project Number: NOT GIVEN

Project Name: MI DRILLING MUD

Project Location: HOBBS, NM

Lab Number: H7054-1

Sample ID: 1&2

Analysis Date: 09/20/02

Sampling Date: 09/18/02

Sample Type: SOIL

Sample Condition: COOL & INTACT

Sample Received By: BC

Analyzed By: BC

| TCLP VOLATILES (ppm) | EPA
LIMIT | Sample Result
H7054-1 | Method
Blank | QC | %Recov. | True Value
QC |
|----------------------|--------------|--------------------------|-----------------|-------|---------|------------------|
| Vinyl Chloride | 0.20 | <0.005 | <0.005 | 0.100 | 100 | 0.100 |
| 1,1-Dichloroethylene | 0.7 | <0.005 | <0.005 | 0.081 | 81 | 0.100 |
| Methyl Ethyl Ketone | 200 | <0.050 | <0.050 | 0.113 | 113 | 0.100 |
| Chloroform | 6.0 | 0.006 | <0.005 | 0.091 | 91 | 0.100 |
| 1,2-Dichloroethane | 0.5 | <0.005 | <0.005 | 0.107 | 107 | 0.100 |
| Benzene | 0.5 | <0.005 | <0.005 | 0.100 | 100 | 0.100 |
| Carbon Tetrachloride | 0.5 | <0.005 | <0.005 | 0.113 | 113 | 0.100 |
| Trichloroethylene | 0.5 | <0.005 | <0.005 | 0.097 | 97 | 0.100 |
| Tetrachloroethylene | 0.7 | <0.005 | <0.005 | 0.094 | 94 | 0.100 |
| Chlorobenzene | 100 | <0.005 | <0.005 | 0.090 | 90 | 0.100 |
| 1,4-Dichlorobenzene | 7.5 | <0.005 | <0.005 | 0.100 | 100 | 0.100 |

% RECOVERY

| | |
|----------------------|-----|
| Dibromofluoromethane | 101 |
| Toluene-d8 | 108 |
| Bromofluorobenzene | 109 |

METHODS: EPA SW 846-8280, 1311

Burgess J. A. Cooke
Burgess J. A. Cooke, Ph. D.

9/24/02
Date

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CARDINAL LABORATORIES, INC.

2111 Beechnut, Abilene, TX 79603

101 East Hartford, Hobbs, NM 86240

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 7

[illegible]



PHONE (815) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
CONTROLLED RECOVERY, INC.
ATTN: DAVE PARSONS
P.O. BOX 388
HOBBS, NM 88241
FAX TO: (505) 393-3615

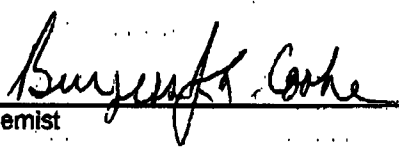
Receiving Date: 09/26/02
Reporting Date: 10/01/02
Project Number: NOT GIVEN
Project Name: MI DRILLING MUD
Project Location: HOBBS, NM

Sampling Date: 09/26/02
Sample Type: SLUDGE
Sample Condition: COOL & INTACT
Sample Received By: AH
Analyzed By: AH/BC

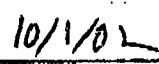
REACTIVITY

| LAB NO. | SAMPLE ID | Sulfide
(ppm) | Cyanide
(ppm) | CORROSIVITY
(pH) | IGNITABILITY
(°F) |
|-----------------------------|-------------|------------------|------------------|---------------------|----------------------|
| ANALYSIS DATE: | | 10/01/02 | 10/01/02 | 09/27/02 | 09/27/02 |
| H7079-1 | COMPOSITE 1 | Not reactive | Not reactive | 9.57 | Nonflammable |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| Quality Control | | NR | NR | 7.01 | NR |
| True Value QC | | NR | NR | 7.00 | NR |
| % Recovery | | NR | NR | 100 | NR |
| Relative Percent Difference | | NR | NR | 0.1 | NR |

METHOD: EPA SW-846 7.3, 7.2, 1030 (proposed), 1311, 40 CFR 261



Chemist



Date

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. Cardinal shall be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise.



2111 Beechwood, Addicks, TX 77033 101 East Maryland, Hobbs, NM 88240

(915) 673-7001 Fax (915) 673-7020 (905) 393-2328 Fax (905) 393-2476

Page 6

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]

† Cardinal cannot accept verbal changes. Please fax written changes to 605-383-2476.

- 1) According to the chain of custody the sample was to be analyzed for corrosivity. I could not locate the Ph results.
- 2) Samples came into the Laboratory at 14.8 C way above the acceptable range.
- 3) Sulfide analysis the sample was held for 13 days before the test was performed. This exceeds the maximum 7-day holding time.
- 4) The chain of custody does not show if the samples were iced or what kind of sample containers and type of preservatives were used.

Controlled Recovery Inc.
P.O. Box 388
Hobbs, N.M. 88241-0388
Phone: (505) 393-1079
Fax: (505) 393-3615

Controlled Recovery Inc.

Fax

| | |
|---|----------------------------|
| To: Ms Martyne Keeling | From: Lary Parker |
| Fax: 505-476-3462 | Pages: 10, including cover |
| Phone: | Date: 12/16/2002 |
| Re: | CC: |
| ☐ Urgent ☐ For Review ☐ Please Comment ☐ Please Reply ☐ Please Recycle | |

Martyne; this is the c-138 that has not made it to your office yet. If possible could you please review for approval? I submitted it to the OCD office here in Hobbs 12-03-02.

Thanks for your help!! Lary Parker

Original Returned to CR

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-138
Revised March 17, 1999

Submit Original
Plus 1 Copy
to Appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

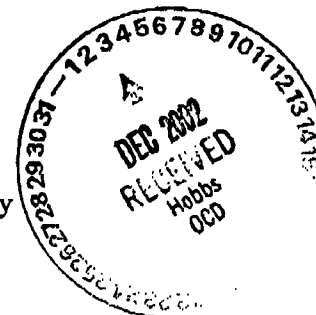
| | |
|---|--|
| 1. RCRA Exempt: ☐ Non-Exempt: ☒
☐ Verbal Approval Received: Yes ☐ No ☒ | 4. Generator Transwestern Pipeline Company |
| 2. Management Facility Destination Controlled Recovery Inc. | 5. Originating Site Roswell Compressor Station |
| 3. Address of Facility Operator P.O. Box 388, Hobbs | 6. Transporter CRI |
| 7. Location of Material (Street Address or ULSTR) 6381 North Main Street | 8. State New Mexico |
| 9. Circle One:
A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job.
B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved.
All transporters must certify the wastes delivered are only those consigned for transport. | |

BRIEF DESCRIPTION OF MATERIAL:

12-03-02

Oily waste water generated from compressor and engine washing.

Enclosed is non-exempt certificate of waste status, analytical data, and chain of custody to extend this process until December, 2003.



Estimated Volume appx. 1,200 bbls. annually cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE Carmella Van Maanen TITLE: Bookkeeper DATE: 12-03-02
Waste Management Facility Authorized AgentTYPE OR PRINT NAME: Carmella Van Maanen TELEPHONE NO: (505) 393-1079

| | |
|----------------------------|-------------|
| APPROVED BY: DENIED | DATE: _____ |
| APPROVED BY: _____ | DATE: _____ |

**CERTIFICATE OF WASTE STATUS
NON-EXEMPT WASTE MATERIAL
"AS REQUIRED BY NEW MEXICO OIL CONSERVATION DIVISION"**

COMPANY / GENERATOR TRANSWESTERN PIPELINE COMPANY
ADDRESS 6381 North Main Street, Roswell, NM 88201
GENERATING SITE ROSWELL COMPRESSOR STATION

COUNTY CHAVES STATE NM

TYPE OF WASTE OILY WASTE WATER

ESTIMATED VOLUME _____

GENERATING PROCESS COMPRESSOR AND ENGINE WASHING

REMARKS WASTE STREAM CONSISTS OF WATER, GLYCOL, LUBE OIL

NMOCDF FACILITY COMPRESSOR STATION ~~GW-052~~ GW-052

TRUCKING COMPANY _____

As a condition of acceptance for disposal, I hereby certify that this waste is a non-exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. To my knowledge, this waste will be analyzed pursuant to the provisions of 40 CFR Part 261 to verify the nature as non-hazardous. I further certify that to my knowledge "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has not been added or mixed with the waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, Sections 261.2.

AGENT [Signature]
SIGNATURE

NAME DUSTIN H TOLLY
PRINTED

ADDRESS 6381 N Main St

Roswell NM 88201

DATE 12-02-02

15053933615

TOTAL P.12

LABORATORY

INVOICE TO: **TRANS WASTEVIEW P&H INC CO**
6381 Al Manu Street
Roswell, New Mexico 86201

FROM: **505-625-8006** FAX: **505-625-8007** P.O. NUMBER: **82501**

PROJECT NAME: **90441400-0000**

PROJECT NUMBER: **#9**

ANALYST BY: **Quinn Tolly**

| CLIENT SAMPLE | SAMPLE NO | INSTRUMENT | TECHNICAL ANALYSIS |
|-----------------------|----------------------|------------|--------------------|
| REINFORCEMENT | | | |
| 1. Allylhex #1 | 10115402 0000 | X | X |
| 2. | | | |
| 3. | | | |
| 4. | | | |
| 5. | | | |
| 6. | | | |
| 7. | | | |
| 8. | | | |
| 9. | | | |
| 10. | | | |
| 11. | | | |
| 12. | | | |
| 13. | | | |
| 14. | | | |
| 15. | | | |

WORK REPORT **Work Order #: P250518**

TURNAROUND REQUEST IN DAYS

DATE: **10/15/02** RECEIVED BY: **Quinn Tolly**

FROM: **TRANS WASTEVIEW P&H INC** TO: **ALC R**

DATE: **10/15/02** TIME: **10:00AM**

RECEIVED BY: **Quinn Tolly**

DATE: **10/15/02** TIME: **10:00AM**

CLIENT SAMPLE **SAMPLE NO** **INSTRUMENT** **TECHNICAL ANALYSIS**

1. **Allylhex #1** **10115402 0000** **X** **X**

TURNAROUND REQUEST IN DAYS

DATE: **10/15/02** RECEIVED BY: **Quinn Tolly**

FROM: **TRANS WASTEVIEW P&H INC** TO: **ALC R**

DATE: **10/15/02** TIME: **10:00AM**

RECEIVED BY: **Quinn Tolly**

DATE: **10/15/02** TIME: **10:00AM**



Spokane 425.428.5200 fax 425.428.5210
Spokane 11115 Montgomery, Suite B, Spokane, WA 99208-4776
Portland 503.524.5200 fax 503.524.5210
Portland 3905 SW Nimbus Avenue, Beaverton, OR 97006-7132
Bend 503.322.5200 fax 503.322.5210
Bend 20333 Empire Avenue, Suite F-1, Bend, OR 97701-5711
Bend 541.382.5210 fax 541.382.7500

| | | |
|---|---|-----------------------------|
| Baron Transwestern Pipeline-Roswell
Roswell Technical Operations 6351 North Main St
Roswell, NM 88201 | Project: TWPG9
Project Number: not required
Project Manager: Dustin Jolly | Reported:
11/05/02 14:53 |
|---|---|-----------------------------|

Notes and Definitions

- L-03 Analysis requested after recommended hold time had expired.
- R-03 The reporting limit for this analyte was raised due to matrix interference.
- W-03 This sample does not contain levels of reactive sulfide that are characteristic of a reactive waste as defined by 40CFR 261.23
- 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. MRLs are adjusted if %Solids are less than 50%.
- wet Sample results reported on a wet weight basis (as received)
- RPD Relative Percent Difference

North Creek Analytical - Portland

Shirley Lee, Project Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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Environmental Laboratory Network

Page 9 of 9

12/16/2002 17:44

15053933615

NDU-05-2002 15:17

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P. 10



Spokane 425.430.8200 Fax 425.430.8210
 East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
 509.324.9200 Fax 509.324.8250
 Portland 503.506.8200 Fax 503.506.8210
 Bend 503.506.8200 Fax 503.506.8210

Enron Transwestern Pipeline-Roswell
 Roswell Technical Operations 6381 North Main St
 Roswell, NM 88201

Project: TWPG9
 Project Number: not required
 Project Manager: Dustin Jolly

Reported:
 11/05/02 14:53

| Analyte | Result | Reporting
Unit | Spike
Level | Source
Result | %REC | %REC
Limit | RPD | RPD
Limit | Note |
|---------|--------|-------------------|----------------|------------------|------|---------------|-----|--------------|------|
|---------|--------|-------------------|----------------|------------------|------|---------------|-----|--------------|------|

North Creek Analytical - Portland

Shirley Lee, Project Manager

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Page 8 of 9

NDU-05-2002 15:17

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P. 09/12



Seattle 11/20 NORTH CREEK ANALYTICAL, 10000 1st, SEATTLE, WA 98111-1000
425.420.9200 fax 425.420.9210
Spokane East 11115 Montgomery, Suite B, Spokane, WA 99208-4776
509.334.9200 fax 509.334.9230
Portland 5405 SW Nimbus Avenue, Beaverton, OR 97008-7132
503.594.9200 fax 503.594.9210
Bend 20332 Empire Avenue, Suite P-1, Bend, OR 97701-5711
541.382.9210 fax 541.382.7800

Enron Transwestern Pipeline-Roswell
Roswell Technical Operations 6301 North Main St
Roswell, NM 88201

Project: TWPG9
Project Number: not required
Project Manager: Dustin Jolly

Reported:
11/05/02 14:53

Reactive Cyanide and Sulfide as Total CN and Total S2
North Creek Analytical - Portland

| Analyte | Result | Reporting Limit | Units | Dilution | Method | Prepared | Analyzed | Batch | Notes |
|--------------------------------------|--------|-----------------|-------|----------|-----------|--------------------------------------|----------|---------|------------|
| Only Waste #1 (P210518-01) Other wet | | | | | | Sampled: 10/15/02 Received: 10/17/02 | | | |
| Reactive Sulfide | 78.5 | 30.7 | mg/kg | 1 | EPA 9030 | 10/28/02 | 10/28/02 | 2100973 | 1-06, W-03 |
| Cyanide (total) | ND | 0.442 | " | " | EPA 9010A | 10/28/02 | 10/28/02 | 2100973 | |

North Creek Analytical - Portland

Shirley Lee, Project Manager

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Environmental Laboratory Network

Page 7 of 9

NOV-05-2002 15:17

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P. 08/12



Seattle 11720 North Creek Pkwy N, Suite 400, Bothell, WA 98011-8294
 425.420.3200 fax 425.420.3210
 Spokane East 11115 Montgomery, Suite B, Spokane, WA 99206-4776
 509.324.8200 fax 509.324.8210
 Portland 9403 SW Nimbus Avenue, Beaverton, OR 97006-7132
 503.266.9200 fax 503.266.9210
 Bend 20332 Empire Avenue, Suite F-1, Bend, OR 97701-5711
 541.383.5500 fax 541.383.7800

Eaton Transwestern Pipeline-Roswell
 Roswell Technical Operations 6381 North Main St
 Roswell, NM 88201

Project: TWPG9
 Project Number: not required
 Project Manager: Dustin Jolly

Reported:
 11/05/02 14:53

Semivolatile Organic Compounds per EPA Method 8270C
 North Creek Analytical - Portland

| Analyte | Result | Reporting Limit | Units | Dilution | Method | Prepared | Analyzed | Batch | Note |
|-------------------------------------|--------|-----------------|-------|----------|-----------|--------------------------------------|----------|---------|------|
| Oily Waste #1 (P210518-01) Other wt | | | | | | Sampled: 10/15/02 Received: 10/17/02 | | | |
| Fluorene | ND | 94.6 | mg/kg | 1 | EPA 8270C | 10/22/02 | 10/22/02 | 2100728 | |
| Hexachlorobenzene | ND | 94.6 | " | " | " | " | " | " | |
| Hexachlorobutadiene | ND | 287 | " | " | " | " | " | " | |
| Hexachlorocyclopentadiene | ND | 287 | " | " | " | " | " | " | |
| Hexachloroethane | ND | 287 | " | " | " | " | " | " | |
| Indene (1,2,3-cd) pyrene | ND | 94.6 | " | " | " | " | " | " | |
| Isophorone | ND | 94.6 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | ND | 94.6 | " | " | " | " | " | " | |
| 2-Methylphenol | ND | 94.6 | " | " | " | " | " | " | |
| 3,4-Methylphenol | ND | 94.6 | " | " | " | " | " | " | |
| Naphthalene | ND | 94.6 | " | " | " | " | " | " | |
| 2-Nitroaniline | ND | 94.6 | " | " | " | " | " | " | |
| 3-Nitroaniline | ND | 287 | " | " | " | " | " | " | |
| 4-Nitroaniline | ND | 94.6 | " | " | " | " | " | " | |
| Nitrobenzene | ND | 94.6 | " | " | " | " | " | " | |
| 2-Nitrophenol | ND | 94.6 | " | " | " | " | " | " | |
| 4-Nitrophenol | ND | 287 | " | " | " | " | " | " | |
| N-Nitrosodi-n-propylamine | ND | 94.6 | " | " | " | " | " | " | |
| N-Nitrosodiphenylamine | ND | 94.6 | " | " | " | " | " | " | |
| Pentachlorophenol | ND | 287 | " | " | " | " | " | " | |
| Phenanthrene | ND | 94.6 | " | " | " | " | " | " | |
| Phenol | ND | 94.6 | " | " | " | " | " | " | |
| Pyrene | ND | 94.6 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | ND | 94.6 | " | " | " | " | " | " | |
| 2,4,5-Trichlorophenol | ND | 94.6 | " | " | " | " | " | " | |
| 2,4,6-Trichlorophenol | ND | 94.6 | " | " | " | " | " | " | |
| Surr: 2-Fluorobiphenyl | 55.2 % | 20-150 | | | | | | | |
| Surr: 2-Fluorophenol | 58.4 % | 10-150 | | | | | | | |
| Surr: Nitrobenzene-d3 | 57.5 % | 20-150 | | | | | | | |
| Surr: Phenol-d6 | 57.3 % | 10-150 | | | | | | | |
| Surr: p-Terphenyl-d14 | 75.5 % | 20-150 | | | | | | | |
| Surr: 2,4,6-Tribromophenol | 49.2 % | 10-150 | | | | | | | |

North Creek Analytical - Portland

Shirley Lee, Project Manager

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North Creek Analytical, Inc.
 Environmental Laboratory Network

Page 6 of 9



Summit 11110 North Main Street, Suite 400, Portland, OR 97208
 425.425.9200 fax 425.425.9210
 Spokane East 11110 Montgomery, Suite 2, Spokane, WA 99208-4775
 509.324.9200 fax 509.324.9210
 Portland 9405 SW Nimbus Avenue, Beaverton, OR 97008-7132
 503.908.9200 fax 503.908.9210
 Bend 28332 Empire Avenue, Suite F-L, Bend, OR 97701-5711
 541.387.9210 fax 541.382.7988

P. 87/12

Euron Transwestern Pipeline-Roswell
 Roswell Technical Operations 6381 North Main St
 Roswell, NM 88201

Project: TWPG9
 Project Number: not required
 Project Manager: Dustin Jolly

Reported
 11/05/02 14:53

Semivolatile Organic Compounds per EPA Method 8270C
North Creek Analytical - Portland

| Analyte | Result | Reporting Limit | Units | Dilution | Method | Prepared | Analyzed | Batch | Notes |
|--------------------------------------|--------|-----------------|-------|----------|-----------|--------------------------------------|----------|---------|-------|
| City Waste #1 (P2J0518-01) Other wet | | | | | | Sampled: 10/15/02 Received: 10/17/02 | | | |
| Acenaphthene | ND | 94.6 | mg/kg | 1 | EPA 8270C | 10/22/02 | 10/22/02 | 2100728 | |
| Acenaphthylene | ND | 94.6 | " | " | " | " | " | " | |
| Anthracene | ND | 94.6 | " | " | " | " | " | " | |
| Benzo (a) anthracene | ND | 94.6 | " | " | " | " | " | " | |
| Benzo (a) pyrene | ND | 94.6 | " | " | " | " | " | " | |
| Benzo (b) fluoranthene | ND | 94.6 | " | " | " | " | " | " | |
| Benzo (ghi) perylene | ND | 94.6 | " | " | " | " | " | " | |
| Benzo (k) fluoranthene | ND | 94.6 | " | " | " | " | " | " | |
| Benzoic Acid | ND | 287 | " | " | " | " | " | " | |
| Benzyl alcohol | ND | 94.6 | " | " | " | " | " | " | |
| 4-Bromophenyl phenyl ether | ND | 94.6 | " | " | " | " | " | " | |
| Butyl benzyl phthalate | ND | 94.6 | " | " | " | " | " | " | |
| 4-Chloro-3-methylphenol | ND | 94.6 | " | " | " | " | " | " | |
| 4-Chloroaniline | ND | 574 | " | " | " | " | " | " | |
| Bis(2-chloroethoxy)methane | ND | 94.6 | " | " | " | " | " | " | |
| Bis(2-chloroethyl)ether | ND | 94.6 | " | " | " | " | " | " | |
| Bis(2-chloroisopropyl)ether | ND | 94.6 | " | " | " | " | " | " | |
| 2-Chloronaphthalene | ND | 94.6 | " | " | " | " | " | " | |
| 2-Chlorophenol | ND | 94.6 | " | " | " | " | " | " | |
| 4-Chlorophenyl phenyl ether | ND | 94.6 | " | " | " | " | " | " | |
| Chrysene | ND | 94.6 | " | " | " | " | " | " | |
| Di-n-butyl phthalate | ND | 287 | " | " | " | " | " | " | |
| Di-n-octyl phthalate | ND | 94.6 | " | " | " | " | " | " | |
| Dibenz (a,h) anthracene | ND | 94.6 | " | " | " | " | " | " | |
| Dibenzofuran | ND | 94.6 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 287 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 287 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 287 | " | " | " | " | " | " | |
| 3,3'-Dichlorobenzidine | ND | 287 | " | " | " | " | " | " | |
| 2,4-Dichlorophenol | ND | 94.6 | " | " | " | " | " | " | |
| Diethyl phthalate | ND | 94.6 | " | " | " | " | " | " | |
| 2,4-Dimethylphenol | ND | 287 | " | " | " | " | " | " | |
| Dimethyl phthalate | ND | 94.6 | " | " | " | " | " | " | |
| 4,6-Dinitro-2-methylphenol | ND | 287 | " | " | " | " | " | " | |
| 2,4-Dinitrophenol | ND | 574 | " | " | " | " | " | " | |
| 2,4-Dinitrotoluene | ND | 143 | " | " | " | " | " | " | |
| 2,6-Dinitrotoluene | ND | 143 | " | " | " | " | " | " | |
| Bis(2-ethylhexyl)phthalate | ND | 574 | " | " | " | " | " | " | |
| Fluoranthene | ND | 94.6 | " | " | " | " | " | " | |

North Creek Analytical - Portland

Shirley Lee, Project Manager

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 Environmental Laboratory Network

Page 5 of 9



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Eaton Transwestern Pipeline-Roswell
 Roswell Technical Operations 6381 North Main St
 Roswell, NM 88201

Project: TWPG9
 Project Number: not required
 Project Manager: Dustin Jolly

Reported:
 11/05/02 14:53

Volatile Organic Compounds per EPA Method 8260B

North Creek Analytical - Portland

| Analyte | Result | Reporting Limit | Units | Dilution | Method | Prepared | Analyzed | Batch | Notes |
|-------------------------------------|--------|-----------------|-----------|----------|-----------|--------------------------------------|----------|---------|-------|
| Oil Waste #1 (F2J0518-01) Other wet | | | | | | Sampled: 10/15/02 Received: 10/17/02 | | | |
| Hexachlorobutadiene | ND | 2000 | ug/kg wet | 1 | EPA 8260B | 10/17/02 | 10/19/02 | 2100596 | |
| 2-Hexanone | ND | 10000 | " | " | " | " | " | " | |
| Isopropylbenzene | ND | 2000 | " | " | " | " | " | " | |
| p-Isopropyltoluene | ND | 2000 | " | " | " | " | " | " | |
| 4-Methyl-2-pentanone | ND | 5000 | " | " | " | " | " | " | |
| Methyl tert-butyl ether | ND | 1000 | " | " | " | " | " | " | |
| Methylene chloride | ND | 5000 | " | " | " | " | " | " | |
| Naphthalene | ND | 2000 | " | " | " | " | " | " | |
| n-Propylbenzene | ND | 1000 | " | " | " | " | " | " | |
| Styrene | ND | 1000 | " | " | " | " | " | " | |
| 1,1,1,2-Tetrachloroethane | ND | 1000 | " | " | " | " | " | " | |
| 1,1,2,2-Tetrachloroethane | ND | 1000 | " | " | " | " | " | " | |
| Tetrachloroethene | ND | 1000 | " | " | " | " | " | " | |
| Toluene | 2530 | 1000 | " | " | " | " | " | " | |
| 1,2,3-Trichlorobenzene | ND | 1000 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | ND | 1000 | " | " | " | " | " | " | |
| 1,1,1-Trichloroethane | 2368 | 1000 | " | " | " | " | " | " | |
| 1,1,2-Trichloroethane | ND | 1000 | " | " | " | " | " | " | |
| Trichloroethene | ND | 1000 | " | " | " | " | " | " | |
| Trichlorofluoromethane | ND | 1000 | " | " | " | " | " | " | |
| 1,2,3-Trichloropropane | ND | 1000 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | ND | 1000 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | ND | 1000 | " | " | " | " | " | " | |
| Vinyl chloride | ND | 1000 | " | " | " | " | " | " | |
| o-Xylene | ND | 1000 | " | " | " | " | " | " | |
| m,p-Xylene | ND | 2000 | " | " | " | " | " | " | |
| Surr: 4-BFB | 93.0 % | 65.4-143 | | | | | | | |
| Surr: 1,2-DCA-d4 | 102 % | 77.7-144 | | | | | | | |
| Surr: Dibromofluoromethane | 108 % | 66.5-131 | | | | | | | |
| Surr: Toluene-d8 | 106 % | 77.5-143 | | | | | | | |

North Creek Analytical - Portland

Shirley Lee, Project Manager

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Enron Transwestern Pipeline-Roswell
 Roswell Technical Operations 6381 North Main St
 Roswell, NM 88201

Project: TWPG9
 Project Number: not required
 Project Manager: Dustin Jolly

Reported:
 11/05/02 14:53

Volatile Organic Compounds per EPA Method 8260B
North Creek Analytical - Portland

| Analyte | Result | Reporting Limit | Units | Dilution | Method | Prepared | Analyzed | Batch | Note |
|--------------------------------------|--------|-----------------|-----------|----------|-----------|--------------------------------------|----------|---------|------|
| Oily Waste #1 (P2J0518-01) Other xrt | | | | | | Sampled: 10/15/02 Received: 10/17/02 | | | |
| Acetone | ND | 25000 | ug/kg wet | 1 | EPA 8260B | 10/17/02 | 10/19/02 | 2100296 | |
| Benzene | ND | 1000 | " | " | " | " | " | " | |
| Bromobenzene | ND | 1000 | " | " | " | " | " | " | |
| Bromochloromethane | ND | 1000 | " | " | " | " | " | " | |
| Bromodichloromethane | ND | 1000 | " | " | " | " | " | " | |
| Bromoform | ND | 1000 | " | " | " | " | " | " | |
| Bromomethane | ND | 5000 | " | " | " | " | " | " | |
| 2-Butanone | ND | 10000 | " | " | " | " | " | " | |
| n-Butylbenzene | ND | 5000 | " | " | " | " | " | " | |
| sec-Butylbenzene | ND | 1000 | " | " | " | " | " | " | |
| tert-Butylbenzene | ND | 1000 | " | " | " | " | " | " | |
| Carbon disulfide | ND | 10000 | " | " | " | " | " | " | |
| Carbon tetrachloride | ND | 1000 | " | " | " | " | " | " | |
| Chlorobenzene | ND | 1000 | " | " | " | " | " | " | |
| Chloroethane | ND | 1000 | " | " | " | " | " | " | |
| Chloroform | ND | 1000 | " | " | " | " | " | " | |
| Chloromethane | ND | 5000 | " | " | " | " | " | " | |
| 2-Chlorotoluene | ND | 1000 | " | " | " | " | " | " | |
| 4-Chlorotoluene | ND | 1000 | " | " | " | " | " | " | |
| 1,2-Dibromo-3-chloropropane | ND | 5000 | " | " | " | " | " | " | |
| Dibromochloromethane | ND | 1000 | " | " | " | " | " | " | |
| 1,2-Dibromoethane | ND | 1000 | " | " | " | " | " | " | |
| Dibromomethane | ND | 1000 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 1000 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 1000 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 1000 | " | " | " | " | " | " | |
| Dichlorodifluoromethane | ND | 5000 | " | " | " | " | " | " | |
| 1,1-Dichloroethane | ND | 1000 | " | " | " | " | " | " | |
| 1,2-Dichloroethane | ND | 1000 | " | " | " | " | " | " | |
| 1,1-Dichloroethane | ND | 1000 | " | " | " | " | " | " | |
| cis-1,2-Dichloroethane | ND | 1000 | " | " | " | " | " | " | |
| trans-1,2-Dichloroethane | ND | 1000 | " | " | " | " | " | " | |
| 1,2-Dichloropropane | ND | 1000 | " | " | " | " | " | " | |
| 1,3-Dichloropropane | ND | 1000 | " | " | " | " | " | " | |
| 2,2-Dichloropropane | ND | 1000 | " | " | " | " | " | " | |
| 1,1-Dichloropropane | ND | 1000 | " | " | " | " | " | " | |
| cis-1,3-Dichloropropene | ND | 1000 | " | " | " | " | " | " | |
| trans-1,3-Dichloropropene | ND | 1000 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 1000 | " | " | " | " | " | " | |

North Creek Analytical - Portland

Shirley Lee, Project Manager

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Page 3 of 9

TOTAL P.10

P.03/12

NOV-05-2002 15:15

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P.04/12

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Enron Transwestern Pipeline-Roswell
 Roswell Technical Operations 6381 North Main St
 Roswell, NM 88201

Project: TWPG9
 Project Number: not required
 Project Manager: Dustin Jolly

Reported:
 11/05/02 14:53

TCLP Metals per EPA 1311/6000/7000 Series Methods
North Creek Analytical - Portland

| Analyte | Result | Reporting Limit | Unit | Dilution | Method | Prepared | Analyzed | Batch | Notes |
|--------------------------------------|--------|-----------------|------|----------|------------|----------|----------|---------|-------|
| Sampled: 10/15/02 Received: 10/17/02 | | | | | | | | | |
| Oil/Waste #1 (PZJ9518-01) Other wet | | | | | | | | | |
| Arsenic | ND | 0.500 | mg/l | 0.5 | 1311/6020 | 10/21/02 | 10/23/02 | 2100773 | |
| Barium | ND | 0.500 | " | " | " | " | " | " | |
| Cadmium | ND | 0.500 | " | " | " | " | " | " | |
| Chromium | ND | 0.500 | " | " | " | " | " | " | |
| Lead | ND | 0.500 | " | " | " | " | " | " | |
| Mercury | ND | 0.000500 | " | 1 | 1311/7470A | 10/28/02 | 10/28/02 | 2100862 | R-03 |
| Selenium | ND | 0.500 | " | 0.5 | 1311/6020 | 10/21/02 | 10/22/02 | 2100773 | |
| Silver | ND | 0.500 | " | " | " | " | " | " | |

North Creek Analytical - Portland

Shirley Lee, Project Manager

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North Creek Analytical, Inc.
 Environmental Laboratory Network

Page 2 of 9

P.10

JAN-27-1900 03:10

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-138
Revised March 17, 1999

Submit Original
Plus 1 Copy
to Appropriate
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

| | |
|--|--|
| 1. RCRA Exempt: ☐ Non-Exempt: ☒
☐ Verbal Approval Received: Yes ☐ No ☒ | 4. Generator Transwestern Pipeline Company |
| | 5. Originating Site Roswell Compressor Station |
| 2. Management Facility Destination Controlled Recovery Inc. | 6. Transporter CRI |
| 3. Address of Facility Operator P.O. Box 388, Hobbs | 8. State New Mexico |
| 7. Location of Material (Street Address or ULSTR) 6381 North Main Street | Roswell, New Mexico |
| 9. <u>Circle One</u> :
A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job.
B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved

All transporters must certify the wastes delivered are only those consigned for transport. | |

BRIEF DESCRIPTION OF MATERIAL:

12-03-02

Oily waste water generated from compressor and engine washing.

Enclosed is non-exempt certificate of waste status, analytical data, and chain of custody to extend this process until December, 2003.



Estimated Volume appx. 1,200 bbls. annually_ cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE Carmella Van Maanen TITLE: Bookkeeper DATE: 12-03-02
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Carmella Van Maanen TELEPHONE NO: (505) 393-1079

(This space for State Use)

APPROVED BY: _____ TITLE: _____ DATE: _____
APPROVED BY: _____ TITLE: _____ DATE: _____

**CERTIFICATE OF WASTE STATUS
NON-EXEMPT WASTE MATERIAL
"AS REQUIRED BY NEW MEXICO OIL CONSERVATION DIVISION"**

COMPANY / GENERATOR TRANSWESTERN PIPELINE COMPANY
ADDRESS 6381 North Main Street, Roswell, NM 88201
GENERATING SITE ROSWELL COMPRESSOR STATION

COUNTY CHAVES STATE NM

TYPE OF WASTE Oily WASTE WATER

ESTIMATED VOLUME _____

GENERATING PROCESS COMPRESSOR AND ENGINE WASHING

REMARKS WASTE STREAM CONSISTS OF WATER, GLYCOL, LUBE OIL

NMOCDFACILITY COMPRESSOR STATION ~~GW-052~~ GW-052

TRUCKING COMPANY _____

As a condition of acceptance for disposal, I hereby certify that this waste is a non-exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. To my knowledge, this waste will be analyzed pursuant to the provisions of 40 CFR Part 261 to verify the nature as non-hazardous. I further certify that to my knowledge "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has not been added or mixed with the waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, Sections 261.3.

AGENT [Signature]
SIGNATURE

NAME DUSTIN H TOLLY
PRINTED

ADDRESS 6381 N Main St
ROSWELL NM 88201

DATE 12-02-02

TOTAL P.12

| CLIENT SAMPLE IDENTIFICATION | | SAMPLING DATE/TIME | TCLP METALS | | TCLP ORGANIC | FLASHPOINT | POREWATER | PERMEABILITY | REQUIRED ANALYSIS | | | | | | | | | | MATRIX (W.S. O) | # OF CONT. | COMMENTS |
|------------------------------|-------------|--------------------|-------------|---|--------------|------------|-----------|--------------|-------------------|--|--|--|--|--|--|--|--|--|-----------------|------------|----------|
| 1. | Oilblake #1 | 10/15/02 0800 | X | X | X | X | X | X | | | | | | | | | | | | | |
| 2. | | | | | | | | | | | | | | | | | | | | | |
| 3. | | | | | | | | | | | | | | | | | | | | | |
| 4. | | | | | | | | | | | | | | | | | | | | | |
| 5. | | | | | | | | | | | | | | | | | | | | | |
| 6. | | | | | | | | | | | | | | | | | | | | | |
| 7. | | | | | | | | | | | | | | | | | | | | | |
| 8. | | | | | | | | | | | | | | | | | | | | | |
| 9. | | | | | | | | | | | | | | | | | | | | | |
| 10. | | | | | | | | | | | | | | | | | | | | | |
| 11. | | | | | | | | | | | | | | | | | | | | | |
| 12. | | | | | | | | | | | | | | | | | | | | | |
| 13. | | | | | | | | | | | | | | | | | | | | | |
| 14. | | | | | | | | | | | | | | | | | | | | | |
| 15. | | | | | | | | | | | | | | | | | | | | | |

| | | | |
|---|---|---|---|
| ANALYZED BY: <u>J. H. G. O'K</u>
PRINT NAME: <u>CRISTINA H. TOLLY</u>
RELINQUISHED BY: _____
PRINT NAME: _____
ADDITIONAL REMARKS: <u>IF YOU HAVE QUESTIONS CALL CRISTINA TOLLY AT 505-625-8056</u>
COPIES: <u>2</u> | DATE: <u>10/15/02</u>
TIME: <u>10:00 AM</u>
RECEIVED BY: <u>ENCA</u>
PRINT NAME: _____
DATE: <u>10/15/02</u>
TIME: <u>10:00 AM</u> | FROM: <u>TRANSWESTERN P. HILL INC CO</u>
TO: <u>6381 N MAIN STREET ROSWELL, NEW MEXICO 88201</u>
PROJECT NUMBER: <u>#9</u>
PROJECT NAME: <u>9044th Street</u>
PHONE: <u>505-625-8056</u>
FAX: <u>505-625-8089</u>
PG. NUMBER: _____ | INVOICE TO: <u>TRANSWESTERN P. HILL INC CO</u>
6381 N MAIN STREET
ROSWELL, NEW MEXICO 88201
TURNAROUND REQUEST IN BULK: _____
Organic & Inorganic Analysis: ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐
Petroleum Hydrocarbon Analysis: ☒ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐ ☐
OTHER: _____ Please Specify: _____ |
|---|---|---|---|



OCERS 11115 NORTH CREEK FERRY RD, SUITE 200, SPokane, WA 99208-4776
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Enron Transwestern Pipeline-Roswell

Roswell Technical Operations 6381 North Main St

Roswell, NM 88201

Project: TWPG9

Project Number: not required

Project Manager: Dustin Jolly

Reported:

11/05/02 14:53

Notes and Definitions

- I-08 Analysis requested after recommended hold time had expired.
- R-03 The reporting limit for this analyte was raised due to matrix interference.
- W-03 This sample does not contain levels of reactive sulfide that are characteristic of a reactive waste as defined by 40CFR 261.23
- 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. MRLs are adjusted if %Solids are less than 50%.
- wet Sample results reported on a wet weight basis (as received)
- RPD Relative Percent Difference

North Creek Analytical - Portland

Shirley Lee, Project Manager

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North Creek Analytical, Inc.
Environmental Laboratory Network

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 541.383.9310 fax 541.382.7568

Enron Transwestern Pipeline-Roswell

Project: TWPG9

Roswell Technical Operations 6381 North Main St

Project Number: not required

Reported:

Roswell, NM 88201

Project Manager: Dustin Jolly

11/05/02 14:53

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

North Creek Analytical - Portland

Shirley Lee, Project Manager

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 541.382.9210 fax 541.382.7588

Enron Transwestern Pipeline-Roswell

Project: TWPG9

Roswell Technical Operations 6381 North Main St

Project Number: not required

Reported:

Roswell, NM 88201

Project Manager: Dustin Jolly

11/05/02 14:53

**Reactive Cyanide and Sulfide as Total CN and Total S2
 North Creek Analytical - Portland**

| Analyte | Result | Reporting
Limit | Units | Dilution | Method | Prepared | Analyzed | Batch | Notes |
|--------------------------------------|--------|--------------------|-------|----------|-----------|--------------------------------------|----------|---------|------------|
| Oily Waste #1 (P2J0518-01) Other wet | | | | | | Sampled: 10/15/02 Received: 10/17/02 | | | |
| Reactive Sulfide | 78.5 | 30.7 | mg/kg | 1 | EPA 9030 | 10/28/02 | 10/28/02 | 2100973 | 1-08, W-03 |
| Cyanide (total) | ND | 0.442 | " | " | EPA 9010A | 10/28/02 | 10/28/02 | 2100933 | |

North Creek Analytical - Portland

Shirley Lee, Project Manager

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

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 Environmental Laboratory Network**

Page 7 of 9



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Enron Transwestern Pipeline-Roswell
Roswell Technical Operations 6381 North Main St
Roswell, NM 88201

Project: TWPG9
Project Number: not required
Project Manager: Dustin Jolly

Reported:
11/05/02 14:53

Semivolatile Organic Compounds per EPA Method 8270C
North Creek Analytical - Portland

| Analyte | Result | Reporting Limit | Units | Dilution | Method | Prepared | Analyzed | Batch | Notes |
|--------------------------------------|--------|-----------------|-------|----------|-----------|--------------------------------------|----------|---------|-------|
| Oily Waste #1 (P2J0518-01) Other wet | | | | | | Sampled: 10/15/02 Received: 10/17/02 | | | |
| Fluorene | ND | 94.6 | mg/kg | 1 | EPA 8270C | 10/22/02 | 10/22/02 | 2100728 | |
| Hexachlorobenzene | ND | 94.6 | " | " | " | " | " | " | |
| Hexachlorobutadiene | ND | 287 | " | " | " | " | " | " | |
| Hexachlorocyclopentadiene | ND | 287 | " | " | " | " | " | " | |
| Hexachloroethane | ND | 287 | " | " | " | " | " | " | |
| Indeno (1,2,3-cd) pyrene | ND | 94.6 | " | " | " | " | " | " | |
| Isophorone | ND | 94.6 | " | " | " | " | " | " | |
| 2-Methylnaphthalene | ND | 94.6 | " | " | " | " | " | " | |
| 2-Methylphenol | ND | 94.6 | " | " | " | " | " | " | |
| 3,4-Methylphenol | ND | 94.6 | " | " | " | " | " | " | |
| Naphthalene | ND | 94.6 | " | " | " | " | " | " | |
| 2-Nitroaniline | ND | 94.6 | " | " | " | " | " | " | |
| 3-Nitroaniline | ND | 287 | " | " | " | " | " | " | |
| 4-Nitroaniline | ND | 94.6 | " | " | " | " | " | " | |
| Nitrobenzene | ND | 94.6 | " | " | " | " | " | " | |
| 2-Nitrophenol | ND | 94.6 | " | " | " | " | " | " | |
| 4-Nitrophenol | ND | 287 | " | " | " | " | " | " | |
| N-Nitrosodi-n-propylamine | ND | 94.6 | " | " | " | " | " | " | |
| N-Nitrosodiphenylamine | ND | 94.6 | " | " | " | " | " | " | |
| Pentachlorophenol | ND | 287 | " | " | " | " | " | " | |
| Phenanthrene | ND | 94.6 | " | " | " | " | " | " | |
| Phenol | ND | 94.6 | " | " | " | " | " | " | |
| Pyrene | ND | 94.6 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | ND | 94.6 | " | " | " | " | " | " | |
| 2,4,5-Trichlorophenol | ND | 94.6 | " | " | " | " | " | " | |
| 2,4,6-Trichlorophenol | ND | 94.6 | " | " | " | " | " | " | |
| Surr: 2-Fluorobiphenyl | 55.2 % | 20-150 | | | | | | | |
| Surr: 2-Fluorophenol | 58.4 % | 10-150 | | | | | | | |
| Surr: Nitrobenzene-d5 | 57.5 % | 20-150 | | | | | | | |
| Surr: Phenol-d6 | 57.2 % | 10-150 | | | | | | | |
| Surr: p-Terphenyl-d14 | 75.5 % | 20-150 | | | | | | | |
| Surr: 2,4,6-Tribromophenol | 49.2 % | 10-150 | | | | | | | |

North Creek Analytical - Portland

Shirley Lee, Project Manager

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Page 6 of 9



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Enron Transwestern Pipeline-Roswell
 Roswell Technical Operations 6381 North Main St
 Roswell, NM 88201

Project: TWPG9
 Project Number: not required
 Project Manager: Dustin Jolly

Reported:
 11/05/02 14:53

Semivolatile Organic Compounds per EPA Method 8270C

North Creek Analytical - Portland

| Analyte | Result | Reporting Limit | Units | Dilution | Method | Prepared | Analyzed | Batch | Notes |
|--------------------------------------|--------|-----------------|-------|----------|-----------|--------------------------------------|----------|---------|-------|
| Oily Waste #1 (P2J0518-01) Other wet | | | | | | Sampled: 10/15/02 Received: 10/17/02 | | | |
| Acenaphthene | ND | 94.6 | mg/kg | 1 | EPA 8270C | 10/22/02 | 10/22/02 | 2100728 | |
| Acenaphthylene | ND | 94.6 | " | " | " | " | " | " | |
| Anthracene | ND | 94.6 | " | " | " | " | " | " | |
| Benzo (a) anthracene | ND | 94.6 | " | " | " | " | " | " | |
| Benzo (a) pyrene | ND | 94.6 | " | " | " | " | " | " | |
| Benzo (b) fluoranthene | ND | 94.6 | " | " | " | " | " | " | |
| Benzo (ghi) perylene | ND | 94.6 | " | " | " | " | " | " | |
| Benzo (k) fluoranthene | ND | 94.6 | " | " | " | " | " | " | |
| Benzoic Acid | ND | 287 | " | " | " | " | " | " | |
| Benzyl alcohol | ND | 94.6 | " | " | " | " | " | " | |
| 4-Bromophenyl phenyl ether | ND | 94.6 | " | " | " | " | " | " | |
| Butyl benzyl phthalate | ND | 94.6 | " | " | " | " | " | " | |
| 4-Chloro-3-methylphenol | ND | 94.6 | " | " | " | " | " | " | |
| 4-Chloroaniline | ND | 574 | " | " | " | " | " | " | |
| Bis(2-chloroethoxy)methane | ND | 94.6 | " | " | " | " | " | " | |
| Bis(2-chloroethyl)ether | ND | 94.6 | " | " | " | " | " | " | |
| Bis(2-chloroisopropyl)ether | ND | 94.6 | " | " | " | " | " | " | |
| 2-Chloronaphthalene | ND | 94.6 | " | " | " | " | " | " | |
| 2-Chlorophenol | ND | 94.6 | " | " | " | " | " | " | |
| 4-Chlorophenyl phenyl ether | ND | 94.6 | " | " | " | " | " | " | |
| Chrysene | ND | 94.6 | " | " | " | " | " | " | |
| Di-n-butyl phthalate | ND | 287 | " | " | " | " | " | " | |
| Di-n-octyl phthalate | ND | 94.6 | " | " | " | " | " | " | |
| Dibenzo (a,h) anthracene | ND | 94.6 | " | " | " | " | " | " | |
| Dibenzofuran | ND | 94.6 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 287 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 287 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 287 | " | " | " | " | " | " | |
| 3,3'-Dichlorobenzidine | ND | 287 | " | " | " | " | " | " | |
| 2,4-Dichlorophenol | ND | 94.6 | " | " | " | " | " | " | |
| Diethyl phthalate | ND | 94.6 | " | " | " | " | " | " | |
| 2,4-Dimethylphenol | ND | 287 | " | " | " | " | " | " | |
| Dimethyl phthalate | ND | 94.6 | " | " | " | " | " | " | |
| 4,6-Dinitro-2-methylphenol | ND | 287 | " | " | " | " | " | " | |
| 2,4-Dinitrophenol | ND | 574 | " | " | " | " | " | " | |
| 2,4-Dinitrotoluene | ND | 143 | " | " | " | " | " | " | |
| 2,6-Dinitrotoluene | ND | 143 | " | " | " | " | " | " | |
| Bis(2-ethylhexyl)phthalate | ND | 574 | " | " | " | " | " | " | |
| Fluoranthene | ND | 94.6 | " | " | " | " | " | " | |

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Page 5 of 9



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Enron Transwestern Pipeline-Roswell

Project: TWPG9

Roswell Technical Operations 6381 North Main St

Project Number: not required

Reported:

Roswell, NM 88201

Project Manager: Dustin Jolly

11/05/02 14:53

Volatile Organic Compounds per EPA Method 8260B

North Creek Analytical - Portland

| Analyte | Result | Reporting Limit | Units | Dilution | Method | Prepared | Analyzed | Batch | Notes |
|-------------------------------------|--------|-----------------|-----------|----------|-----------|--------------------------------------|----------|---------|-------|
| Oil Waste #1 (P2J0518-01) Other wet | | | | | | Sampled: 10/15/02 Received: 10/17/02 | | | |
| Hexachlorobutadiene | ND | 2000 | ug/kg wet | 1 | EPA 8260B | 10/17/02 | 10/19/02 | Z100596 | |
| 2-Hexanone | ND | 10000 | " | " | " | " | " | " | |
| Isopropylbenzene | ND | 2000 | " | " | " | " | " | " | |
| p-Isopropyltoluene | ND | 2000 | " | " | " | " | " | " | |
| 4-Methyl-2-pentanone | ND | 5000 | " | " | " | " | " | " | |
| Methyl tert-butyl ether | ND | 1000 | " | " | " | " | " | " | |
| Methylene chloride | ND | 5000 | " | " | " | " | " | " | |
| Naphthalene | ND | 2000 | " | " | " | " | " | " | |
| n-Propylbenzene | ND | 1000 | " | " | " | " | " | " | |
| Styrene | ND | 1000 | " | " | " | " | " | " | |
| 1,1,1,2-Tetrachloroethane | ND | 1000 | " | " | " | " | " | " | |
| 1,1,2,2-Tetrachloroethane | ND | 1000 | " | " | " | " | " | " | |
| Tetrachloroethene | ND | 1000 | " | " | " | " | " | " | |
| Toluene | 2520 | 1000 | " | " | " | " | " | " | |
| 1,2,3-Trichlorobenzene | ND | 1000 | " | " | " | " | " | " | |
| 1,2,4-Trichlorobenzene | ND | 1000 | " | " | " | " | " | " | |
| 1,1,1-Trichloroethane | 2360 | 1000 | " | " | " | " | " | " | |
| 1,1,2-Trichloroethane | ND | 1000 | " | " | " | " | " | " | |
| Trichloroethene | ND | 1000 | " | " | " | " | " | " | |
| Trichlorofluoromethane | ND | 1000 | " | " | " | " | " | " | |
| 1,2,3-Trichloropropane | ND | 1000 | " | " | " | " | " | " | |
| 1,2,4-Trimethylbenzene | ND | 1000 | " | " | " | " | " | " | |
| 1,3,5-Trimethylbenzene | ND | 1000 | " | " | " | " | " | " | |
| Vinyl chloride | ND | 1000 | " | " | " | " | " | " | |
| o-Xylene | ND | 1000 | " | " | " | " | " | " | |
| m,p-Xylene | ND | 2000 | " | " | " | " | " | " | |

Surr: 4-BFB 93.0 % 65.4-143
 Surr: 1,2-DCA-d4 102 % 77.7-144
 Surr: Dibromofluoromethane 108 % 66.5-131
 Surr: Toluene-d8 106 % 77.5-143

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Shirley Lee, Project Manager

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Page 4 of 9



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Enron Transwestern Pipeline-Roswell

Project: TWPG9

Roswell Technical Operations 6381 North Main St

Project Number: not required

Reported:

Roswell, NM 88201

Project Manager: Dustin Jolly

11/05/02 14:53

Volatile Organic Compounds per EPA Method 8260B

North Creek Analytical - Portland

| Analyte | Result | Reporting Limit | Units | Dilution | Method | Prepared | Analyzed | Batch | Notes |
|--------------------------------------|--------|-----------------|-----------|----------|-----------|--------------------------------------|----------|---------|-------|
| Oily Waste #1 (P2J0518-01) Other wet | | | | | | Sampled: 10/15/02 Received: 10/17/02 | | | |
| Acetone | ND | 25000 | ug/kg wet | 1 | EPA 8260B | 10/17/02 | 10/19/02 | 2100596 | |
| Benzene | ND | 1000 | " | " | " | " | " | " | |
| Bromobenzene | ND | 1000 | " | " | " | " | " | " | |
| Bromochloromethane | ND | 1000 | " | " | " | " | " | " | |
| Bromodichloromethane | ND | 1000 | " | " | " | " | " | " | |
| Bromoform | ND | 1000 | " | " | " | " | " | " | |
| Bromomethane | ND | 5000 | " | " | " | " | " | " | |
| 2-Butanone | ND | 10000 | " | " | " | " | " | " | |
| n-Butylbenzene | ND | 5000 | " | " | " | " | " | " | |
| sec-Butylbenzene | ND | 1000 | " | " | " | " | " | " | |
| tert-Butylbenzene | ND | 1000 | " | " | " | " | " | " | |
| Carbon disulfide | ND | 10000 | " | " | " | " | " | " | |
| Carbon tetrachloride | ND | 1000 | " | " | " | " | " | " | |
| Chlorobenzene | ND | 1000 | " | " | " | " | " | " | |
| Chloroethane | ND | 1000 | " | " | " | " | " | " | |
| Chloroform | ND | 1000 | " | " | " | " | " | " | |
| Chloromethane | ND | 5000 | " | " | " | " | " | " | |
| 2-Chlorotoluene | ND | 1000 | " | " | " | " | " | " | |
| 4-Chlorotoluene | ND | 1000 | " | " | " | " | " | " | |
| 1,2-Dibromo-3-chloropropane | ND | 5000 | " | " | " | " | " | " | |
| Dibromochloromethane | ND | 1000 | " | " | " | " | " | " | |
| 1,2-Dibromoethane | ND | 1000 | " | " | " | " | " | " | |
| Dibromomethane | ND | 1000 | " | " | " | " | " | " | |
| 1,2-Dichlorobenzene | ND | 1000 | " | " | " | " | " | " | |
| 1,3-Dichlorobenzene | ND | 1000 | " | " | " | " | " | " | |
| 1,4-Dichlorobenzene | ND | 1000 | " | " | " | " | " | " | |
| Dichlorodifluoromethane | ND | 5000 | " | " | " | " | " | " | |
| 1,1-Dichloroethane | ND | 1000 | " | " | " | " | " | " | |
| 1,2-Dichloroethane | ND | 1000 | " | " | " | " | " | " | |
| 1,1-Dichloroethene | ND | 1000 | " | " | " | " | " | " | |
| cis-1,2-Dichloroethene | ND | 1000 | " | " | " | " | " | " | |
| trans-1,2-Dichloroethene | ND | 1000 | " | " | " | " | " | " | |
| 1,2-Dichloropropane | ND | 1000 | " | " | " | " | " | " | |
| 1,3-Dichloropropane | ND | 1000 | " | " | " | " | " | " | |
| 2,2-Dichloropropane | ND | 1000 | " | " | " | " | " | " | |
| 1,1-Dichloropropene | ND | 1000 | " | " | " | " | " | " | |
| cis-1,3-Dichloropropene | ND | 1000 | " | " | " | " | " | " | |
| trans-1,3-Dichloropropene | ND | 1000 | " | " | " | " | " | " | |
| Ethylbenzene | ND | 1000 | " | " | " | " | " | " | |

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Enron Transwestern Pipeline-Roswell
 Roswell Technical Operations 6381 North Main St
 Roswell, NM 88201

Project: TWPG9
 Project Number: not required
 Project Manager: Dustin Jolly

Reported:
 11/05/02 14:53

TCLP Metals per EPA 1311/6000/7000 Series Methods
North Creek Analytical - Portland

| Analyte | Result | Reporting Limit | Units | Dilution | Method | Prepared | Analyzed | Batch | Notes |
|--------------------------------------|--------|-----------------|-------|----------|------------|--------------------------------------|----------|---------|-------|
| Oily Waste #1 (P2J0518-01) Other wet | | | | | | Sampled: 10/15/02 Received: 10/17/02 | | | |
| Arsenic | ND | 0.500 | mg/l | 0.5 | 1311/6020 | 10/21/02 | 10/22/02 | 2100773 | |
| Barium | ND | 0.500 | " | " | " | " | " | " | |
| Cadmium | ND | 0.500 | " | " | " | " | " | " | |
| Chromium | ND | 0.500 | " | " | " | " | " | " | |
| Lead | ND | 0.500 | " | " | " | " | " | " | |
| Mercury | ND | 0.000800 | " | 1 | 1311/7470A | 10/28/02 | 10/28/02 | 2100862 | R-03 |
| Selenium | ND | 0.500 | " | 0.5 | 1311/6020 | 10/21/02 | 10/22/02 | 2100773 | |
| Silver | ND | 0.500 | " | " | " | " | " | " | |

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Page 2 of 9