NM1 - 3

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

RECEIVED
DEC 20 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 Electric Submersible Pump 5. Originating Site Hobbs Pump Yard
2. Management Facility Destination Sundance Services Inc.	6. Transporter Unknown
3. Address of Facility Operator P.O. Box 1737 Eunice NM 88231	8. State New Mexico
7. Location of Material (Street Address or ULSTR) 8426 N. Dal Paso Hobbs New Mexico 88241	

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:

The following analytical results are from Electric Submersible Pump's Hobbs Facility. This waste is generated by the washing off of oilfield rental tools. All equipment is washed into the sump and pumped to a waste water tank outside the building in a bermed area. I haved attached a certificate of waste status and chain of custody. Sundance would like approval to accept this material into our Parabo Disposal Facility.

Estimated Volume 240 cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE Donna Roach TITLE: President DATE: 11-27-02
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Donna Roach TELEPHONE NO. 505-394-2511

(This space for State Use)

APPROVED BY: [signature] TITLE: ENVIRO ENGR DATE: 12/3/02

APPROVED BY: [signature] TITLE: Environmental Geologist DATE: 12-23-02

CERTIFICATE OF WASTE STATUS

NON-EXEMPT WASTE MATERIAL

ORIGINATING LOCATION: ESP 8426 N DAL PASO HOBBS NM 88240

SOURCE: OILFIELD RINSATE

DISPOSAL LOCATION: SUNDANCE SERVICES, PARABO FACILITY, P.O. BOX 1737 EUNICE NM 88231

As a condition of acceptance for disposal, I hearby 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 no "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has been added or mixed with the waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, Section 261.3.

I, the undersigned as the agent for ESP concur with the status of the waste from the subject site.

Name Randy Woods

Title/Angency ESP

Address 8426 N DAL PASO
HOBBS NM 88240

Signature Randy Woods

Date 11-25-02

CARDINAL LABORATORIES, INC.

2111 Beechwood, Abilene, TX 79603 (915) 673-7001 Fax (915) 673-7020
101 East Marland, Hobbs, NM 88240 (505) 393-2326 Fax (505) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

H6992-1

Page ___ of ___

Company Name: ESP	P.O. #: 14231
Project Manager: Randy Hinds	Company:
Address: 8426 N Dal Paso	Attn:
City: Hobbs State: NM Zip: 88240	Address:
Phone #: 392-7999 Fax #:	City:
Project #: Pump testing water Project Owner:	State: Zip:
Project Name:	Phone #:
Project Location:	Fax #:
Sampler Name:	

FOR LAB USE ONLY Lab I.D.	Sample I.D.	MATRIX: Containers	Preservative	Sampling	ANALYSIS REQUEST
					TCLP
H6992-1				DATE 8/29/02 TIME	✓

Relinquished By: Randy Hall — Date: 8/29/02 — Time: 10:00
Received By: Jimmy Hall
Delivered By: (Circle One) Sampler - UPS - Bus - Other:
Sample Condition: Cool / Intact — Yes / No
Checked By: (Initials)
Received By: (Lab Staff)

Sample Labels: Yes / No
Trip Blank: Yes / No
Bill to: COMPLETE TCLP

† Cardinal cannot accept verbal changes. Please fax written changes to (915) 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
ESP
ATTN: RANDY HINDS
8426 N. DAL PASO
HOBBS, NM 88240
FAX TO:

Receiving Date: 08/29/02
Reporting Date: 09/04/02
Project Number: NOT GIVEN
Project Name: PUMP TESTING WATER
Project Location: NOT GIVEN

Sampling Date: 08/29/02
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:		09/03/02	09/04/02	09/04/02	09/04/02	09/04/02	09/04/02	09/04/02	09/03/02
EPA LIMITS:		5	5	100	1	5	5	0.2	1
H6992-1		<1	<1	<5	<0.1	<1	<1	<0.02	<0.1
Quality Control		0.049	4.935	48.29	0.956	4.972	5.040	0.0089	0.149
True Value QC		0.050	5.000	50.00	1.000	5.000	5.000	0.0100	0.150
% Recovery		98.0	98.7	96.6	95.6	99.4	101	99.0	99.3
Relative Standard Deviation		1.6	0.2	3.2	0.2	0.7	1.3	1.0	4.1
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

9-4-02
Date

H6992

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

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PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
ESP
ATTN: RANDY HINDS
8426 N. DAL PASO
HOBBS, NM 88240
FAX TO:

Receiving Date: 08/29/02
Reporting Date: 09/03/02
Project Number: NOT GIVEN
Project Name: PUMP TESTING WATER
Project Location: NOT GIVEN

Sampling Date: 08/29/02
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:		08/30/02	08/30/02	08/29/02	08/30/02
H6992-1	-	Not reactive	Not reactive	6.80	>140
Quality Control		NR	NR	7.04	NR
True Value QC		NR	NR	7.00	NR
% Recovery		NR	NR	101	NR
Relative Percent Difference		NR	NR	0.1	NR

METHOD: EPA SW-846 7.3, 7.2, 1010, 1311, *40 CFR 261*

Chemist

9/3/02
Date

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ANALYTICAL RESULTS FOR
ESP
ATTN: RANDY HINDS
8426 N. DAL PASO
HOBBS, NM 88240
FAX TO:

Receiving Date: 08/29/02
Reporting Date: 08/30/02
Project Number: NOT GIVEN
Project Name: PUMP TESTING WATER
Project Location: NOT GIVEN
Lab Number: H6992-1
Sample ID: -

Analysis Date: 08/29/02
Sampling Date: 08/29/02
Sample Type: WASTEWATER
Sample Condition: COOL & INTACT
Sample Received By: AH
Analyzed By: BC

TCLP VOLATILES (ppm)	EPA LIMIT	Sample Result H6992-1	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	118
Bromofluorobenzene	102

METHODS: EPA SW 846-8260, 1311

Burgess J. A. Cooke, Ph. D.

8/30/02
Date

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CARDINAL LABORATORIES

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PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
ESP
ATTN: RANDY HINDS
8426 N. DAL PASO
HOBBS, NM 88240
FAX TO:

Receiving Date: 08/29/02
Reporting Date: 08/30/02
Project Number: NOT GIVEN
Project Name: PUMP TESTING WATER
Project Location: NOT GIVEN
Lab Number: H6992-1
Sample ID: -

Analysis Date: 08/29/02
Sampling Date: 08/29/02
Sample Type: WASTEWATER
Sample Condition: COOL & INTACT
Sample Received By: AH
Analyzed By: BC

TCLP SEMIVOLATILES (ppm)	EPA LIMIT	Sample Result H6992-1	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	56
Phenol-d5	42
Nitrobenzene-d5	93
2-Fluorobiphenyl	89
2,4,6-Tribromophenol	112
Terphenyl-d14	74

METHODS: EPA SW-846 1311, 8270, 3510

Burgess J. A. Cooke, Ph. D.

8/30/02
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

RECEIVED
OCT 29 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 Electric Submersible Pump
	5. Originating Site Hobbs Pump Yard
2. Management Facility Destination Sundance Services Inc.	6. Transporter Unknown
3. Address of Facility Operator P.O. Box 1737 Eunice NM 88231	8. State New Mexico
7. Location of Material (Street Address or ULSTR) 8426 N. Dal Paso Hobbs New Mexico 88241	

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:

The following analytical results are from Electric Submersible Pump's Hobbs Facility. This waste is generated by the washing off of oilfield rental tools. All equipment is washed into the sump and pumped to a waste water tank outside the building in a bermed area. I haved attached a certificate of waste status and chain of custody. Sundance would like approval to accept this material into our Parabo Disposal Facility.

Estimated Volume 240 cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE Donna Roach TITLE: President DATE: _____
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Donna Roach TELEPHONE NO. 505-394-2511

1-2002

(This space for State Use)

APPROVED BY: [signature] TITLE: Envir Engr DATE: 10/24/02

APPROVED BY: [signature] TITLE: Environmental Geologist DATE: 10/30/02

CERTIFICATE OF WASTE STATUS

NON-EXEMPT WASTE MATERIAL

ORIGINATING LOCATION: ESP 8426 n. Dal Paso Hobbs n.m. 88240

SOURCE: OILFIELD RINSATE

DISPOSAL LOCATION: SUNDANCE SERVICES INC.

As a condition of acceptance for disposal, I hearby 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 no "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has been added or mixed with the waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, Section 261.3.

I, the undersigned as the agent for ESP concur with the status of the waste from the subject site.

Name - RANDY HINDS

Title/Angency ESP

Address 8426 n. Dal Paso
Hobbs n.m. 88240

Signature Randy Hinds

Date 10-21-02

CARDINAL LABORATORIES, INC.

2111 Beechwood, Abilene, TX 79603 (915) 673-7001 Fax (915) 673-7020
101 East Marland, Hobbs, NM 88240 (505) 393-2326 Fax (505) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

H6992-1

Page ____ of ____

Company Name: ESP
Project Manager: Randy Hands
Address: 8426 N Dal Paso
City: Hobbs State: NM Zip: 88240
Phone #: 392-7999 Fax #:
Project #: Pump testing water Project Owner:
Project Name:
Project Location:
Sampler Signature:

P.O. #: M231
Company:
Attn:
Address:
City:
State: Zip:
Phone #:
Fax #:

ANALYSIS REQUEST

FOR LAB USE ONLY Lab I.D.	Sample I.D.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME
H6992-1				✓								8/29/02	

TCLP ✓

Relinquished By: Date 8/29/02 Time 7:00 — Received By: Jimmy Hall

Delivered By: (Circle One) Sampler - UPS - Bus - Other:

Sample Condition: Cool: Yes / No — Intact: Yes / No — Checked By: (Initials)

Turn Around Time: Standard / Rush

Hand Delivered:

Sample Receipt: Yes / No

Rush Charges Authorized: Yes / No

COMPLETE TCLP

† Cardinal cannot accept verbal changes. Please fax written changes to (915) 673-7020.

CARDINAL LABORATORIES

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PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
ESP
ATTN: RANDY HINDS
8426 N. DAL PASO
HOBBS, NM 88240
FAX TO:

Receiving Date: 08/29/02
Reporting Date: 09/04/02
Project Number: NOT GIVEN
Project Name: PUMP TESTING WATER
Project Location: NOT GIVEN

Sampling Date: 08/29/02
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:		09/03/02	09/04/02	09/04/02	09/04/02	09/04/02	09/04/02	09/04/02	09/03/02
EPA LIMITS:		5	5	100	1	5	5	0.2	1
H6992-1		<1	<1	<5	<0.1	<1	<1	<0.02	<0.1
Quality Control		0.049	4.935	48.29	0.956	4.972	5.040	0.0089	0.149
True Value QC		0.050	5.000	50.00	1.000	5.000	5.000	0.0100	0.150
% Recovery		98.0	98.7	96.6	95.6	99.4	101	99.0	99.3
Relative Standard Deviation		1.6	0.2	3.2	0.2	0.7	1.3	1.0	4.1
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

9-4-02
Date

H6992

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ANALYTICAL RESULTS FOR
ESP
ATTN: RANDY HINDS
8426 N. DAL PASO
HOBBS, NM 88240
FAX TO:

Receiving Date: 08/29/02
Reporting Date: 09/03/02
Project Number: NOT GIVEN
Project Name: PUMP TESTING WATER
Project Location: NOT GIVEN

Sampling Date: 08/29/02
Sample Type: WASTEWATER
Sample Condition: COOL & INTACT
Sample Received By: AH
Analyzed By: AH/BC

LAB NO.	SAMPLE ID	REACTIVITY Sulfide (ppm)	REACTIVITY Cyanide (ppm)	CORROSIVITY (pH)	IGNITABILITY (°F)
ANALYSIS DATE:		08/30/02	08/30/02	08/29/02	08/30/02
H6992-1	-	Not reactive	Not reactive	6.80	>140
Quality Control		NR	NR	7.04	NR
True Value QC		NR	NR	7.00	NR
% Recovery		NR	NR	101	NR
Relative Percent Difference		NR	NR	0.1	NR

METHOD: EPA SW-846 7.3, 7.2, 1010, 1311, *40 CFR 261*

Chemist

9/3/02
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.

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ANALYTICAL RESULTS FOR
ESP
ATTN: RANDY HINDS
8426 N. DAL PASO
HOBBS, NM 88240
FAX TO:

Receiving Date: 08/29/02
Reporting Date: 08/30/02
Project Number: NOT GIVEN
Project Name: PUMP TESTING WATER
Project Location: NOT GIVEN
Lab Number: H6992-1
Sample ID: -

Analysis Date: 08/29/02
Sampling Date: 08/29/02
Sample Type: WASTEWATER
Sample Condition: COOL & INTACT
Sample Received By: AH
Analyzed By: BC

TCLP SEMIVOLATILES (ppm)	EPA LIMIT	Sample Result H6992-1	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	56
Phenol-d5	42
Nitrobenzene-d5	93
2-Fluorobiphenyl	89
2,4,6-Tribromophenol	112
Terphenyl-d14	74

METHODS: EPA SW-846 1311, 8270, 3510

Burgess J.A. Cooke, Ph. D.

8/30/02
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

PHONE (915) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603
PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
ESP
ATTN: RANDY HINDS
8426 N. DAL PASO
HOBBS, NM 88240
FAX TO:

Receiving Date: 08/29/02
Reporting Date: 08/30/02
Project Number: NOT GIVEN
Project Name: PUMP TESTING WATER
Project Location: NOT GIVEN
Lab Number: H6992-1
Sample ID: -

Analysis Date: 08/29/02
Sampling Date: 08/29/02
Sample Type: WASTEWATER
Sample Condition: COOL & INTACT
Sample Received By: AH
Analyzed By: BC

TCLP VOLATILES (ppm)	EPA LIMIT	Sample Result H6992-1	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	118
Bromofluorobenzene	102

METHODS: EPA SW 846-8260, 1311

Burgess J. A. Cooke, Ph. D.

8/30/02
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.

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 **Champion Technologies**
	5. Originating Site **4001 S. Eunice Hwy 18**
2. Management Facility Destination **Sundance Services Inc.**	6. Transporter **Martinez Trucking**
3. Address of Facility Operator **P.O. Box 1737 Eunice NM 88231**	8. State **New Mexico**
7. Location of Material (Street Address or ULSTR) **4001 S. Eunice Hwy 18 Hobbs NM 88240**	

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:

The following analytical results are from Champion Technologies Hobbs Facility. This waste was generated is hydro carbon contaminated soil from years of general operations of business. I have included a certificate of waste status and chain of custody. Sundance would like approval to accept this material into our Parabo Disposal Facility

Estimated Volume 30,000 cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE Donna Roach TITLE: **President** DATE: 9-5-02
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: **Donna Roach** TELEPHONE NO. **505-394-2511**

(This space for State Use)

APPROVED BY: _____ TITLE: _____ DATE: _____

APPROVED BY: Mustyn Gray TITLE: Environmental Geologist DATE: 9/9/02

CERTIFICATE OF WASTE STATUS

NON-EXEMPT WASTE MATERIAL

ORIGINATING LOCATION: CHAMPION TECHNOLOGIES - HOBBS, NM

SOURCE: Hydro Carbon Contaminated Soil

DISPOSAL LOCATION: SUNDANCE SERVICES, INC
P.O. BOX 1737 EUNICE, NM 88231

As a condition of acceptance for disposal, I hearby 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 no "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has been added or mixed with the waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, Section 261.3.

I, the undersigned as the agent for CHAMPION TECHNOLOGIES, INC. concur with the status of the waste from the subject site.

Name: TODD CHORAN

Title/Angency: Sr Project Manager Environmental Technology GROUP, INC

Address: 4600 West Wall
Midland, Tx 79703

Signature: Todd Chob

Date: 8/20/02

Environmental Lab of Texas I, Ltd.

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

COC: 136

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager: TODD CHOBAN
Company Name: E. T. G. I.
Company Address: 4600 W. Wall
City/State/Zip: Midland, Tx 79703
Telephone No: 915-522-1139 Fax No: 915-520-4310
Sampler Signature: Marcelo Campos

Project Name: Champion Technologies Inc
Project #: CH2100
Project Loc: Hobbs, N.M.
PO #:

LAB # (lab use only)	FIELD CODE	Date Sampled	Time Sampled	No. of Containers	Preservative: Ice	HNO3	HCl	NaOH	H2SO4	None	Other (Specify)	Matrix: Water	Sludge	Soil	Other (Specify)	Analyze For: TCLP: TPH: 418.1 / 8015M / 1005 / 1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, CO3, HCO3)	SAR / ESP / CEC	TCLP: Metals: Ag Ag As Ba Cd Cr Pb Hg Se	TCLP: Volatiles	TCLP: Semivolatiles	BTEX 8021B/5030	RCI	Total Chromium	RUSH TAT (Pre-Schedule)	Standard TAT
0204312-01	Area 2 Stockpile ~~Excavation~~ 1-A	8-22-02	0855	3	X									X						X	X	X		X		X	
02	Area 2 Stockpile ~~Excavation~~ 1-B		0903	3																							
03	Area 2 Stockpile ~~Excavation~~ 2-A		0911	3																							
04	Area 2 Stockpile ~~Excavation~~ 2-B		0917	3																							

Special Instructions:

Sample Containers Intact? Y N
Temperature Upon Receipt:
Laboratory Comments:
Rec 1°C

Relinquished by	Date	Time	Received by	Date	Time
Marcelo Campos	8/22/02	1415	Todd Choban	8/22/02	1600
Todd Choban	8/23/02	0840	Received by ELOT:	Date	Time
Brenda Yuse		0940	Rala Ht	8/23/02	1000

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Todd Choban
Environmental Technology Group, Inc.
P.O. Box 4345
Midland, TX 79704

Order#: G0204312
Project: CH2108
Project Name: Champion Technologies, Inc.
Location: Hobbs, NM

Lab ID: 0204312-01
Sample ID: Area 2 Stockpile 1-A

8260B TCLP

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0002973-02	8/23/02	8/26/02 18:14	9	1	CK	1311/8260B

Parameter	Result µg/L	RL
Carbon tetrachloride	<1	1.00
Benzene	<1	1.00
1,2-Dichloroethane	<1	1.00
Chlorobenzene	<1	1.00
1,1-Dichloroethene	<1	1.00
1,4-Dichlorobenzene	<1	1.00
2-Butanone (MEK)	<1	1.00
Chloroform	<1	1.00
Tetrachloroethene	<1	1.00
Trichloroethene	<1	1.00
Vinyl chloride	<1	1.00

Surrogate	% Recovered	QC Limits (%)	
Dibromofluoromethane	98%	53	144
1,2-dichloroethane-d4	100%	57	147
Toluene-d8	101%	64	128
4-Bromofluorobenzene	95%	47	150

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

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Todd Choban
Environmental Technology Group, Inc.
P.O. Box 4846
Midland, TX 79704

Order#: G0204312
Project: CH2100
Project Name: Champion Technologies, Inc.
Location: Hobbs, NM

Lab ID: 0204312-01
Sample ID: Area 2 Stockpile 1-A

8270C Semivolatile Organics - TCLP

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0003051-03	8/23/02	8/27/02 19:27	1	1	CK	1311/8270C

Parameter	Result µg/L	RL
Pyridine	<5	5.00
1,4-Dichlorobenzene	<5	5.00
2-Methylphenol	<5	5.00
Hexachloroethane	<5	5.00
Nitrobenzene	<5	5.00
Hexachlorobutadiene	<5	5.00
2,4,6-Trichlorophenol	<5	5.00
2,4,5-Trichlorophenol	<5	5.00
2,4-Dinitrotoluene	<5	5.00
Hexachlorobenzene	<5	5.00
Pentachlorophenol	<5	5.00
4-Methylphenol	<5	5.00

Surrogates	% Recovered	QC Limits (%)	
2-Fluorophenol	16%	21	110
Phenol-d6	15%	10	110
Nitrobenzene-d5	28%	35	114
2-Fluorobiphenyl	36%	43	116
2,4,6-Tribromophenol	92%	10	123
p-Terphenyl-d14	79%	33	141

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

09/05/2002 16:08 5053942590 Environmental Technology Group #1769 P.003

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Todd Chobas
Environmental Technology Group, Inc.
P.O. Box 4845
Midland, TX 79704

Order#: G0204312
Project: CH2180
Project Name: Champion Technologies, Inc.
Location: Hobbs, NM

Lab ID: 0204312-02
Sample ID: Area 2 Stockpile 1-E

8260B TCLP

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0002973-02	8/23/02	8/26/02 18:39	5	1	CK	1311/8260B

Parameter	Result mg/L	RL
Carbon tetrachloride	<1	1.00
Benzene	<1	1.00
1,2-Dichloroethane	<1	1.00
Chlorobenzene	<1	1.00
1,1-Dichloroethene	<1	1.00
1,4-Dichlorobenzene	<1	1.00
2-Butanone (MEK)	<1	1.00
Chloroform	<1	1.00
Tetrachloroethene	1.18	1.00
Trichloroethene	<1	1.00
Vinyl chloride	<1	1.00

Surrogates	% Recovered	QC Limits (%)	
Dibromofluoromethane	96%	53	144
1,2-dichloroethane-d4	101%	57	147
Toluene-d8	99%	64	128
4-Bromofluorobenzene	94%	47	158

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

SEP.05'2002 16:19 9156204810 Environmental Technology Group #1769 P.004

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Todd Clouse
Environmental Technology Group, Inc.
P.O. Box 4845
Midland, TX 79704

Order#: G0204312
Project: CR2188
Project Name: Champion Technologies, Inc.
Location: Hobbs, NM

Lab ID: G0204312-02
Sample ID: Area 2 Stockpile 1-5

8270C Semivolatile Organics - TCLP

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0003051-02	8/21/02	8/27/02 20:04	1	1	CK	1311/8270C

Parameter	Result µg/L	RL
Pyridine	<	5.00
1,4-Dichlorobenzene	<	5.00
2-Methylphenol	<	5.00
Hexachloroethane	<	5.00
Nitrobenzene	<	5.00
Hexachlorobutadiene	<	5.00
2,4,6-Trichlorophenol	<	5.00
2,4,5-Trichlorophenol	<	5.00
2,4-Dinitrotoluene	<	5.00
Hexachlorobenzene	<	5.00
Pentachlorophenol	<	5.00
4-Methylphenol	<	5.00

Surrogates	% Recovered	QC Limits (%)	
2-Fluorophenol	17%	21	110
Phenol-d6	13%	10	110
Nitrobenzene-d5	36%	35	114
2-Fluorobiphenyl	46%	43	116
2,4,6-Tribromophenol	101%	10	123
p-Terphenyl-d14	74%	33	141

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

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Todd Chaban
Environment Technology Group, Inc.
P.O. Box 4848
Midland, TX 79704

Order#: G0204312
Project: CH3100
Project Name: Champion Technologies, Inc.
Location: Hobbs, NM

Lab ID: 0204312-03
Sample ID: Area 2 Stockpile 2-A

8260B TCLP

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0002973-02	8/23/02	8/26/02 19:03	5	1	CK	1311/8260B

Parameter	Result µg/L	RL
Carbon tetrachloride	<1	1.00
Benzene	<1	1.00
1,2-Dichloroethane	<1	1.00
Chlorobenzene	<1	1.00
1,1-Dichloroethene	<1	1.00
1,4-Dichlorobenzene	<1	1.00
2-Butanone (MEK)	<1	1.00
Chloroform	<1	1.00
Tetrachloroethene	1.68	1.00
Trichloroethene	<1	1.00
Vinyl chloride	<1	1.00

Surrogate	% Recovered	QC Limits (%)	
Dibromofluoromethane	98%	80	144
1,2-dichloroethane-d4	100%	67	147
Toluene-d8	103%	94	128
4-Bromofluorobenzene	107%	47	158

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

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Todd Chaban
Environmental Technology Group, Inc.
P.O. Box 4845
Midland, TX 79704

Order#: C0204312
Project: CH2100
Project Name: Champion Technologies, Inc.
Location: Hobbs, NM

Lab ID: 0204312-03
Sample ID: Area 2 Stockpile 2-A

8270C Semivolatile Organics - TCLP

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0803051-02	8/23/02	8/27/02 20:41	1	1	CK	1311/8270C

Parameter	Result µg/L	RL
Pyridine	<5	5.00
1,4-Dichlorobenzene	<5	5.00
2-Methylphenol	<5	5.00
Hexachloroethane	<5	5.00
Nitrobenzene	<5	5.00
Hexachlorobutadiene	<5	5.00
2,4,6-Trichlorophenol	<5	5.00
2,4,5-Trichlorophenol	<5	5.00
2,4-Dinitrotoluene	<5	5.00
Hexachlorobenzene	<5	5.00
Pentachlorophenol	<5	5.00
4-Methylphenol	<5	5.00

Surrogate	% Recovered	QC Limits (%)	
2-Fluorophenol	19%	21	110
Phenol-d5	17%	10	110
Nitrobenzene-d5	34%	35	114
2-Fluorobiphenyl	43%	43	116
2,4,6-Tribromophenol	112%	10	123
p-Terphenyl-d14	80%	33	141

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

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Todd Choban
Environmental Technology Group, Inc.
P.O. Box 4845
Midland, TX 79704

Order#: G0204312
Project: CH2100
Project Name: Champion Technologies, Inc.
Location: Hobbs, NM

Lab ID: 0204312-04
Sample ID: Area 2 Stockpile 2-B

8260B TCLP

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0002971-82	8/23/02	8/26/02 19:26	5	1	CK	1311/8260B

Parameter	Result µg/L	RL
Carbon tetrachloride	<1	1.00
Benzene	<1	1.00
1,2-Dichloroethane	<1	1.00
Chlorobenzene	<1	1.00
1,1-Dichloroethene	<1	1.00
1,4-Dichlorobenzene	<1	1.00
2-Butanone (MEK)	<1	1.00
Chloroform	<1	1.00
Tetrachloroethene	1.00	1.00
Trichloroethene	<1	1.00
Vinyl chloride	<1	1.00

Surrogates	% Recovered	QC Limits (%)	
Dibromofluoromethane	78%	53	144
1,2-dichloroethane-d4	74%	67	147
Toluene-d8	98%	64	128
4-Bromofluorobenzene	98%	47	158

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

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Todd Choban
Environmental Technology Group, Inc.
P.O. Box 4845
Midland, TX 79704

Order#: G0204312
Project: C022100
Project Name: Champion Technologies, Inc.
Location: Hobbs, NM

Lab ID: 0204312-04
Sample ID: Area 2 Stockpile 2-B

8270C Semivolatile Organics - TCLP

Method Blank	Date Prepared	Date Analyzed	Sample Amount	Dilution Factor	Analyst	Method
0003081-02	8/23/02	8/27/02 21:17	1	1	CK	1311/8270C

Parameter	Result µg/L	RL
Pyridine	<5	5.00
1,4-Dichlorobenzene	<5	5.00
2-Methylphenol	<5	5.00
Hexachloroethane	<5	5.00
Nitrobenzene	<5	5.00
Hexachlorobutadiene	<5	5.00
2,4,6-Trichlorophenol	<5	5.00
2,4,5-Trichlorophenol	<5	5.00
2,4-Dinitrotoluene	<5	5.00
Hexachlorobenzene	<5	5.00
Pentachlorophenol	<5	5.00
4-Methylphenol	<5	5.00

Surrogates	% Recovered	QC Limits (%)	
2-Fluorophenol	22%	21	110
Phenol-d6	20%	10	110
Nitrobenzene-d5	47%	35	114
2-Fluorobiphenyl	81%	43	116
2,4,6-Tribromophenol	98%	10	123
p-Terphenyl-d14	77%	33	141

Approved: Roland K. Tuttle 9-05-02
Roland K. Tuttle, Lab Director, QA Officer — Date
Corey D. Keene, Org. Tech. Director
Jeanne McMurrey, Inorg. Tech. Director
Sandra Biesiadny, Lab Tech.
Sara Molina, Lab Tech.

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

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Todd Chobas
Environmental Technology Group, Inc.
P.O. Box 4346
Midland, TX 79704

Order#: G0204312
Project: CH2100
Project Name: Champion Technologies, Inc.
Location: Mobbs, NM

Lab ID: 0204312-01
Sample ID: Area 2 Stockpile 1-A

METALS RCRA 7 TCLP

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Arsenic	0.028	mg/L	1	0.008	1311/6010B	08/26/2002	8/27/02	SM
Barium	0.900	mg/L	1	0.001	1311/6010B	08/26/2002	8/27/02	SM
Cadmium	<0.001	mg/L	1	0.001	1311/6010B	08/26/2002	8/27/02	SM
Chromium	<0.002	mg/L	1	0.002	1311/6010B	08/26/2002	8/27/02	SM
Lead	<0.011	mg/L	1	0.011	1311/6010B	08/26/2002	8/27/02	SM
Selenium	<0.004	mg/L	1	0.004	1311/6010B	08/26/2002	8/27/02	SM
Silver	<0.002	mg/L	1	0.002	1311/6010B	08/26/2002	8/27/02	SM

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Chromium	22.8	mg/kg	50	0.10	3050/6010B	08/26/2002	8/28/02	SM
Mercury, TCLP	<0.002	mg/L	1	0.002	7470	08/26/2002	8/27/02	SM

Lab ID: 0204312-02
Sample ID: Area 2 Stockpile 1-B

METALS RCRA 7 TCLP

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Arsenic	0.025	mg/L	1	0.008	1311/6010B	08/26/2002	8/27/02	SM
Barium	0.558	mg/L	1	0.001	1311/6010B	08/26/2002	8/27/02	SM
Cadmium	<0.001	mg/L	1	0.001	1311/6010B	08/26/2002	8/27/02	SM
Chromium	<0.002	mg/L	1	0.002	1311/6010B	08/26/2002	8/27/02	SM
Lead	<0.011	mg/L	1	0.011	1311/6010B	08/26/2002	8/27/02	SM
Selenium	<0.004	mg/L	1	0.004	1311/6010B	08/26/2002	8/27/02	SM
Silver	<0.002	mg/L	1	0.002	1311/6010B	08/26/2002	8/27/02	SM

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Chromium	32.3	mg/kg	50	0.10	3050/6010B	08/26/2002	8/28/02	SM
Mercury, TCLP	<0.002	mg/L	1	0.002	7470	08/26/2002	8/27/02	SM

Lab ID: 0204312-03
Sample ID: Area 2 Stockpile 2-A

METALS RCRA 7 TCLP

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Arsenic	0.022	mg/L	1	0.008	1311/6010B	08/26/2002	8/27/02	SM
Barium	0.695	mg/L	1	0.001	1311/6010B	08/26/2002	8/27/02	SM
Cadmium	<0.001	mg/L	1	0.001	1311/6010B	08/26/2002	8/27/02	SM
Chromium	<0.002	mg/L	1	0.002	1311/6010B	08/26/2002	8/27/02	SM
Lead	<0.011	mg/L	1	0.011	1311/6010B	08/26/2002	8/27/02	SM

N/A = Not Applicable RL = Reporting Limit

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Todd Choban
Environmental Technology Group, Inc.
P.O. Box 4845
Midland, TX 79704

Order#: Q0204312
Project: CH2180
Project Name: Champion Technologies, Inc.
Location: Hobbs, NM

Lab ID: 0204312-03
Sample ID: Area 2 Stockpile 2-A

METALS RCRA 7 TCLP

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Selenium	<0.004	mg/L	1	0.004	1311/6010B	08/26/2002	8/27/02	SM
Silver	<0.002	mg/L	1	0.002	1311/6010B	08/26/2002	8/27/02	SM

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Mercury, TCLP	<0.002	mg/L	1	0.002	7470	08/26/2002	8/27/02	SM

Lab ID: 0204312-04
Sample ID: Area 2 Stockpile 2-B

METALS RCRA 7 TCLP

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Arsenic	0.027	mg/L	1	0.008	1311/6010B	08/26/2002	8/27/02	SM
Barium	0.594	mg/L	1	0.001	1311/6010B	08/26/2002	8/27/02	SM
Cadmium	<0.001	mg/L	1	0.001	1311/6010B	08/26/2002	8/27/02	SM
Chromium	<0.002	mg/L	1	0.002	1311/6010B	08/26/2002	8/27/02	SM
Lead	0.013	mg/L	1	0.011	1311/6010B	08/26/2002	8/27/02	SM
Selenium	<0.004	mg/L	1	0.004	1311/6010B	08/26/2002	8/27/02	SM
Silver	<0.002	mg/L	1	0.002	1311/6010B	08/26/2002	8/27/02	SM

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Mercury, TCLP	<0.002	mg/L	1	0.002	7470	08/26/2002	8/27/02	SM

Approval: Roland K Tuttle 9-05-02
Roland K. Tuttle, Lab Director, QA Officer — Date
Celey D. Keene, Org. Tech. Director
Jeanne McMurray, Inorg. Tech. Director
Sandra Biazagbo, Lab Tech.
Sara Molina, Lab Tech.

N/A = Not Applicable RL = Reporting Limit

SEP.05.2002 16:23 9155620310 Environmental Technology Group #1769 P.011

P. 01

TRANSACTION REPORT

SEP-05-2002 THU 04:20 PM

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DATE	START	SENDER	RX TIME	PAGES	TYPE	NOTE	M#	DP
SEP-05	04:14 PM	5053942590	6'05"	14	RECEIVE	OK		

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1000 Rio Brazos Road
Aztec, NM 87410
District IV · (505) 827-7131

Energy Minerals and Natural Resources Department
Oil Conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

Originated

Submit O
Plus 1
to appro
District (

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☒	4. Generator HALLIBURTON
Verbal Approval Received: Yes ☐ No ☐	5. Originating Site HOBBS FACIL
2. Management Facility Destination SUNDANCE SERVICES INC.	6. Transporter CHAPARRAL
3. Address of Facility Operator P.O. BOX 1737 Eunice NM 88231	8. State NEW MEXICO
7. Location of Material (Street Address or ULSTR) 5801 Lovington HWy Hobbs, NM 88240	

9. Circle One:

A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from th Generator; one certificate per job.

(B.) All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis t PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous b listing or testing will be approved.

All transporters must certify the wastes delivered are only those consigned for transport.

BRIEF DESCRIPTION OF MATERIAL:

The following waste is generated by the washing of tools and oil equipment. This analytical is from Halliburtons Hobbs facility. Sundance would like approval to acppet this waste into our Parabo facility.

Estimated Volume 300 bbls. cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE: _____ TITLE: OFFICE MGR DATE: _____
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: DONNA L. ROACH TELEPHONE NO. 505-394-2511

(This space for State Use)

APPROVED BY: _____ TITLE: Environmental Engr DATE: 8-26-02

APPROVED BY: _____ TITLE: Environmental Geologist DATE: 9/3/02

050502

CERTIFICATE OF WASTE STATUS
NON-EXEMPT WASTE MATERIAL

AS REQUIRED BY New Mexico CONSERVATION DIVISION

COMPANY/GENERATOR: Halliburton

ADDRESS: 5801 Lovington Hwy

GENERATING SITE: Hobbs Yard

COUNTY Lea STATE NM

TYPE OF WASTE: Wash Rack Grit

ESTIMATED VOLUME: 300,000 lbs.

GENERATING PROCESS: Wash Rack Sumps

REMARKS:

NMOCD FACILITY: Sundance

TRUCKING FACILITY: Chaparral

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 of 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: Harvey Price
PRINTED

ADDRESS: 5801 Lovington Hwy Hobbs, NM 88240

DATE: 8/15/2002

CARDINAL 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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page____ of____

Company Name:	HALLIBURTON ENERGY SERVICES	BILL TO	PO #:
Project Manager:	Steve Bailey	Company:	
Address:	5801 Lovington Hwy	Attn:	
City:	Hobbs State: NM Zip: 88240	Address:	
Phone #:		City:	
Fax #:		State:	Zip:
Project #:	SUMP	Project Owner:	
Project Name:	~~TCLP~~ ANALYSES	Phone #:	
Project Location:	HOBBS YARD	Fax #:	

ANALYSIS REQUEST: Complete TCLP; TPH 418.1

FOR LAB USE ONLY LAB I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	PRES.: ACID:	ICE / COOL	OTHER:	SAMPLING: DATE	TIME
H6538-1	Longin Grit Trap				✓								2/22/02	2:35
-2	E. WASH BAY SUMP							✓					↓	2:25
~~3~~ -3	~~W. WASH BAY SUMP~~							✓					↓	2:15
#3	COMP OF EAST & WEST WASH-BAY SUMPS													

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 the client for the 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 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.

Terms and Conditions: Interest will be charged on all accounts more than 30 days past due at the rate of 24% per annum from the original date of invoice, and all costs of collections, including attorney's fees.

Sampler Relinquished:	Date:	Received By:	Phone Result ☐ Yes ☐ No Additional Fax #:
	Time:		Fax Result: ☐ Yes ☐ No
Relinquished By:	Date: 2/22/02	Received By: (Lab Staff)	REMARKS:
	Time: 3:00		
Delivered By: (Circle One)	Sample Condition: Cool ☑ Yes ☐ No; Intact ☑ Yes ☐ No	CHECKED BY: (Initials)	
Sampler - UPS - Bus - Other:			

† Cardinal cannot accept verbal changes. Please fax written changes to 915-673-7020.

CARDINAL LABORATORIES

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PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
HALLIBURTON ENERGY SERVICES
ATTN: STEVE BAILEY
5801 LOVINGTON HWY
HOBBS, NM 88240
FAX TO:

Receiving Date: 02/22/02
Reporting Date: 03/01/02
Project Number: NOT GIVEN
Project Name: SUMP ANALYSIS
Project Location: HOBBS, NM

Sampling Date: 02/22/02
Sample Type: #1 WASTEWATER #2 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:		02/27/02	03/01/02	03/01/02	03/01/02	03/01/02	03/01/02	03/01/02	02/28/02
EPA LIMITS:		5	5	100	1	5	5	0.2	1
H6538-1	LOGGING GRIT TRAP	<1	<1	<5	<0.1	<1	<1	<0.02	<0.1
H6538-2	COMP. EAST & WEST WASHBAY SUMPS	<1	<1	<5	<0.1	<1	<1	<0.02	<0.1
Quality Control		0.150	4.601	21.62	0.976	4.634	4.380	0.00662	0.156
True Value QC		0.150	5.000	25.00	1.000	5.000	5.000	0.00600	0.150
% Recovery		100	92.0	86.5	97.6	92.7	87.6	110	104
Relative Standard Deviation		0.7	0.2	3.3	0.1	0.6	0.1	10.3	1.6
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

3-1-02
Date

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ANALYTICAL RESULTS FOR
HALLIBURTON ENERGY SERVICES
ATTN: STEVE BAILEY
5801 LOVINGTON HWY
HOBBS,NM 88240
FAX TO:

Receiving Date: 02/22/02
Reporting Date: 03/01/02
Project Number: NOT GIVEN
Project Name: SUMP ANALYSIS
Project Location: HOBBS, NM

Sampling Date: 02/22/02
Sample Type: #1 WASTEWATER
#2 SLUDGE
Sample Condition: COOL & INTACT
Sample Received By: AH
Analyzed By: AH/BC

LAB NUMBE	SAMPLE ID	REACTIVITY Sulfide (ppm)	Cyanide (ppm)	CORROSIVITY (pH)	IGNITABILITY (°F)
ANALYSIS DATE:		02/27/02	02/27/02	02/27/02	02/28/02
H6538-1	LOGGING GRIT TRAP	Not reactive	Not reactive	7.47	>140
H6538-2	COMP. EAST & WEST WASHBAY SUMPS	Not reactive	Not reactive	10.4	Nonflammable
Quality Control		NR	NR	7.08	NR
True Value QC		NR	NR	7.00	NR
% Recovery		NR	NR	101	NR
Relative Percent Difference		NR	NR	0.1	NR

METHOD: EPA SW 846-7.3, 7.2, 1010, 1311, *40 CFR 261*

Amy Hill
Chemist

3-1-02
Date

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H6538r

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ANALYTICAL RESULTS FOR
HALLIBURTON ENERGY SERVICES
ATTN: STEVE BAILEY
5801 LOVINGTON HWY
HOBBS, NM 88240
FAX TO:

Receiving Date: 02/22/02
Reporting Date: 02/27/02
Project Number: NOT GIVEN
Project Name: SUMP ANALYSES
Project Location: HOBBS YARD
Lab Number: H6538-2
Sample ID: COMPOSITE OF E. & W. WASHBAY SUMPS

Analysis Date: 02/26/02
Sampling Date: 02/22/02
Sample Type: SLUDGE
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: BC

TCLP SEMIVOLATILES (ppm)	EPA LIMIT	Sample Result H6538-2	Method Blank	QC	% Recov.	True Value QC
Pyridine	5.00	<0.020	<0.005	0.018	36	0.050
1,4-Dichlorobenzene	7.50	<0.020	<0.005	0.030	60	0.050
o-Cresol	200	<0.020	<0.005	0.041	82	0.050
m, p-Cresol	200	<0.020	<0.005	0.038	76	0.050
Hexachloroethane	3.00	<0.020	<0.005	0.025	50	0.050
Nitrobenzene	2.00	<0.020	<0.005	0.050	100	0.050
Hexachloro-1,3-butadiene	0.500	<0.020	<0.005	0.027	54	0.050
2,4,6-Trichlorophenol	2.00	<0.020	<0.005	0.042	84	0.050
2,4,5-Trichlorophenol	400	<0.020	<0.005	0.044	88	0.050
2,4-Dinitrotoluene	0.130	<0.020	<0.005	0.046	92	0.050
Hexachlorobenzene	0.130	<0.020	<0.005	0.042	84	0.050
Pentachlorophenol	100	<0.020	<0.005	0.044	88	0.050

	% RECOVERY
Fluorophenol	49
Phenol-d5	37
Nitrobenzene-d5	67
2-Fluorobiphenyl	67
2,4,6-Tribromophenol	67
Terphenyl-d14	66

METHODS: EPA SW-846 1311, 8270, 3510

Burgess J. A. Cooke, Ph. D.

2/27/02
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.

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ANALYTICAL RESULTS FOR
HALLIBURTON ENERGY SERVICES
ATTN: STEVE BAILEY
5801 LOVINGTON HWY
HOBBS, NM 88240
FAX TO:

Receiving Date: 02/22/02
Reporting Date: 02/27/02
Project Number: NOT GIVEN
Project Name: SUMP ANALYSES
Project Location: HOBBS YARD
Lab Number: H6538-2
Sample ID: COMPOSITE OF E. & W. WASHBAY SUMPS

Analysis Date: 02/26/02
Sampling Date: 02/22/02
Sample Type: SLUDGE
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: BC

TCLP VOLATILES (ppm)	EPA LIMIT	Sample Result H6538-2	Method Blank	QC	%Recov.	True Value QC
Vinyl Chloride	0.20	<0.005	<0.005	0.112	112	0.100
1,1-Dichloroethylene	0.7	<0.005	<0.005	0.094	94	0.100
Methyl Ethyl Ketone	200	<0.050	<0.050	0.085	85	0.100
Chloroform	6.0	<0.005	<0.005	0.099	99	0.100
1,2-Dichloroethane	0.5	<0.005	<0.005	0.098	98	0.100
Benzene	0.5	<0.005	<0.005	0.100	100	0.100
Carbon Tetrachloride	0.5	<0.005	<0.005	0.099	99	0.100
Trichloroethylene	0.5	<0.005	<0.005	0.099	99	0.100
Tetrachloroethylene	0.7	<0.005	<0.005	0.101	101	0.100
Chlorobenzene	100	<0.005	<0.005	0.101	101	0.100
1,4-Dichlorobenzene	7.5	0.006	0.040	0.103	103	0.100

	% RECOVERY
Dibromofluoromethane	106
Toluene-d8	113
Bromofluorobenzene	108

METHODS: EPA SW 846-8260, 1311

Burgess J. A. Cooke

Burgess J. A. Cooke, Ph. D.

2/27/02
Date

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CARDINAL LABORATORIES

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PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
HALLIBURTON ENERGY SERVICES
ATTN: STEVE BAILEY
5801 LOVINGTON HWY
HOBBS, NM 88240
FAX TO:

Receiving Date: 02/22/02
Reporting Date: 03/01/02
Project Number: NOT GIVEN
Project Name: SUMP ANALYSES
Project Location: HOBBS YARD

Analysis Date: 02/28/02
Sampling Date: 02/22/02
Sample Type: SLUDGE
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: BC

LAB NUMBER	SAMPLE ID	TPH (mg/Kg)
H6538-2	COMPOSITE OF E. & W. WASHBAY SUMPS	2420
Quality Control		250
True Value QC		240
% Recovery		104
Relative Percent Difference		9.5

METHOD: EPA 418.1

Chemist

3/1/02
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

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PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
HALLIBURTON ENERGY SERVICES
ATTN: STEVE BAILEY
5801 LOVINGTON HWY
HOBBS, NM 88240
FAX TO:

Receiving Date: 02/22/02
Reporting Date: 03/01/02
Project Number: NOT GIVEN
Project Name: SUMP ANALYSES
Project Location: HOBBS YARD

Analysis Date: 02/28/02
Sampling Date: 02/22/02
Sample Type: WASTEWATER
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: BC

LAB NUMBER	SAMPLE ID	TPH (mg/L)
H6538-1	LOGGIN GRIT TRAP	1490
Quality Control		9.67
True Value QC		10.0
% Recovery		96.7
Relative Percent Difference		0.8

METHOD: EPA 418.1

Chemist

3/1/02
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.

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: (X) ☐ Verbal Approval Received: Yes ☐ No ☐	4. Generator **Champion Technologies**
	5. Originating Site **4001 S. Eunice Hwy 18**
2. Management Facility Destination **Sundance Services Inc.**	6. Transporter **Martinez Trucking**
3. Address of Facility Operator **P.O. Box 1737 Eunice NM 88231**	8. State **New Mexico**
7. Location of Material (Street Address or ULSTR) **4001 S. Eunice Hwy 18 Hobbs NM 88240**	

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:

The following analytical results are from Champion Technologies Hobbs Facility. This waste was generated is hydro carbon contaminated soil from years of general operations of business. I have included a certificate of waste status and chain of custody. Sundance would like approval to accept this material into our Parabo Disposal Facility

Estimated Volume 30,000 cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE Donna Roach TITLE: **President** DATE: **08/20/02**
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: **Donna Roach** TELEPHONE NO. **505-394-2511**

(This space for State Use)

APPROVED BY: _____ TITLE: _____ DATE: _____

APPROVED BY: Martyn J. Kelly TITLE: Environmental Geologist DATE 8-19-02

CERTIFICATE OF WASTE STATUS

NON-EXEMPT WASTE MATERIAL

ORIGINATING LOCATION: CHAMPION TECHNOLOGIES - HOBBS, NM

SOURCE: Hydro Carbon Contaminated Soil

DISPOSAL LOCATION: SUNDANCE SERVICES, INC
P.O. BOX 1737 EUNICE, NM 88231

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 no "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has been added or mixed with the waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, Section 261.3.

I, the undersigned as the agent for CHAMPION TECHNOLOGIES INC concur with the status of the waste from the subject site.

Name TODD CHOBAN

Title/Agency Sr Project Manager Environmental Technology GROUP, INC

Address 4600 West Wall
Midland, Tx 79703

Signature Todd Chob

Date 8/20/02

08/20/2002 16:20 5053942590 SUNDANCE SERVICE INC PAGE 04
ENVIRONMENTAL TECHNOLOGY GROUP

Environmental Lab of Texas I, Ltd.

COC 117

2600 West I-20 East
Odessa, Texas 79763
Phone: 915-563-1800
Fax: 915-563-1713

CHAIN OF CUSTODY RECORD AND ANALYSIS REQUEST

Project Manager: Todd Chokan 238-0061
Company Name: E.T.G.I.
Company Address: 4600 W. Wall
City/State/Zip: Midland, Tx 79703
Telephone No: 915-522-1139 Fax No: 915-520-4810
Sampler Signature: Manuelo Campos

Project Name: Champion Technologies Inc
Project #: CH2100
Project Loc: Hobbs, NM.
PO #:

0204107

LAB # (lab use only)	FIELD CODE	Date Sampled	Time Sampled	No. of Containers	Preservative: Ice	HNO3	HCl	NaOH	H2SO4	None	Other (Specify)	Matrix: Water	Sludge	Soil	Other (specify):	Analyze For: TCLP: TPH (418.1) BTEX 8021B 1005 1006	TOTAL: TPH (418.1) BTEX 8021B 1005 1006	Cations (Ca, Mg, Na, K)	Anions (Cl, SO4, CO3, HCO3)	SAR / ESP / CEC	Metals: Ag As Ba Cd Cr Pb Hg Se	Volatiles	Semivolatiles	BTEX 8021B	PCI	WQCC Metals	General Chemistry	RUSH TAT (Pre-Schedule)	Standard TAT
01	Area 2 Stockpile #1 N. Side	8-2-02	1042	3	X									X			X				X	X	X	X	X			X
02	Area 2 Stockpile #1 S. Side		1030	3													X				X	X	X	X	X			
03	J&L Land Farm - Backfill		0915	3													X							X	X	X		
04	S.S.1 East Wall / South 6'		0740	3													X							X	X	X		
05	S.S.2 East Wall / North 6'		0750	3													X							X	X	X		
06	S.S.3 North Wall 8'		0805	3													X							X	X	X		

Special Instructions: Hold on - J&L Land Farm - Backfill until notified by Todd

Relinquished by:	Date	Time	Received by:	Date	Time
Manuelo Campos	8-2-02	1215		8-2-02	12:15
Relinquished by:	Date	Time	Received by ELOT:	Date	Time
	8-2-02	4:35	Karen Mcminney	8-2-02	16:35

Sample Containers Intact? Y N
Temperature Upon Receipt: Rec - 1.5°C
Laboratory Comments: Rec - 1.5°C
* Stop all analysis except 418.1 on Samples 04 thru 06. as per Todd 08-05-02 @ 1540 418.1 is <800 ppm run remove analysis, Continue analysis as per Todd 08-06-02 @ 1300 on 04,05,06

ENVIRONMENTAL LAB OF TEXAS, LTD.

"Don't Treat Your Soil Like Dirt!"

E.T.G.I.
ATTN: TODD CHOBAN
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 520-4310

Sample Type: Soil
Sample Condition: Intact/ Iced/ -1.5 deg C
Project Name: Champion Technology Inc.
Project #: CH 2100
Project Location: Hobbs, NM

Sampling Date: 08/02/02
Receiving Date: 08/02/02
TCLP Extraction: 08/05/02
Analysis Date: 08/13/02
Field Code: Area 2 Stockpile #1 N. Side

TCLP Volatile Compounds	REPORT LIMIT	ELT# 0204107-01 mg/L	%EA	CCC %IA	RPD
Benzene	0.001	ND	105		5
Carbon tetrachloride	0.001	ND	99		18
Chlorobenzene	0.001	ND	99		7
Chloroform	0.001	ND	107	102	5
1,4-Dichlorobenzene	0.001	ND	89		2
1,2-Dichloroethane	0.001	ND	90		1
1,1-Dichloroethylene	0.001	ND	94	99	5
Methyl ethyl ketone	0.001	ND	79		8
Tetrachloroethylene	0.001	ND	63		21#
Trichloroethylene	0.001	ND	67		16
Vinyl chloride	0.001	ND	78	89	19

System Monitoring Compounds	% RECOVERY
Dibromofluoromethane	110
1,2-dichloroethane-d4	80.5
Toluene-d8	101
4-Bromofluorobenzene	97.9

ND= Not Detected at report limit

Method: EPA SW 846 8260B, 1311

Raland K Tuttle 8-16-02

Celey D. Keene
Raland K. Tuttle

Date

ENVIRONMENTAL LAB OF TEXAS, LTD.

"Don't Treat Your Soil Like Dirt!"

E.T.G.I.
ATTN: TODD CHOBAN
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 520-4310

Sample Type: Soil
Sample Condition: Intact/ Iced/ -1.5 deg C
Project Name: Champion Technology Inc.
Project #: CH 2100
Project Location: Hobbs, NM

Sampling Date: 08/02/02
Receiving Date: 08/02/02
TCLP Extraction: 08/05/02
Analysis Date: 08/08/02
Field Code: Area 2 Stockpile #1 S. Side

TCLP SEMIVOLATILE ORGANICS (mg/L)	REG. LIMIT	REPORT LIMIT	ELT# 0204107-02	CCC % DEV	%EA	RPD
2-Methylphenol	200	0.007	ND			
4-Methylphenol	200	0.007	ND			
1,4-Dichlorobenzene	7.5	0.007	ND	-11.1	52	13
2, 4-Dinitrotoluene	0.13	0.007	ND		50	3
Hexachlorobenzene	0.13	0.007	ND			
Hexachlor-1, 3-butadien	0.5	0.007	ND	7.0		
Hexachloroethene	3	0.007	ND			
Nitrobenzene	2	0.007	ND			
Pentachlorophenol	100	0.007	ND	31.7#	58	3
Pyridine	5	0.007	ND			
2,4,5-Trichlorophenol	400	0.007	ND			
2,4,6-Trichlorophenol	2	0.007	ND	10.4		

ND= NOT DETECTED, < REPORTING LIMIT

SYSTEM MONITORING COMPOUNDS	% Recovery
2-Fluorophenol	31.3
Phenol-d5	24.9
Nitrobenzene-d5	82.8
2-Fluorobiphenyl	73.7
2,4,6-Tribromophenol	48.8
p-Terphenyl-d14	90.8

ND = Not detected at report limit

Out of historical ranges

Method: SW 846-8270C,1311

Roland K. Tuttle
Celey D. Keene
Roland K. Tuttle

8-16-02
Date

ENVIRONMENTAL LAB OF TEXAS, LTD.

"Don't Treat Your Soil Like Dirt!"

E.T.G.I.
ATTN: TODD CHOBAN
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 520-4310

Sample Type: Soil
Sample Condition: Intact/ Iced/ -1.5 deg C
Project Name: Champion Technology Inc.
Project #: CH 2100
Project Location: Hobbs, NM

Sampling Date: 08/02/02
Receiving Date: 08/02/02
TCLP Extraction: 08/05/02
Analysis Date: 08/13/02
Field Code: Area 2 Stockpile #1 S. Side

TCLP Volatile Compounds	REPORT LIMIT	ELT# 0204107-02 mg/L	%EA	CCC %IA	RPD
Benzene	0.001	ND	105		5
Carbon tetrachloride	0.001	ND	99		18
Chlorobenzene	0.001	ND	99		7
Chloroform	0.001	ND	107	102	5
1,4-Dichlorobenzene	0.001	ND	89		2
1,2-Dichloroethane	0.001	ND	90		1
1,1-Dichloroethylene	0.001	ND	94	99	5
Methyl ethyl ketone	0.001	ND	79		8
Tetrachloroethylene	0.001	ND	63		21#
Trichloroethylene	0.001	ND	67		16
Vinyl chloride	0.001	ND	78	89	19

System Monitoring Compounds	% RECOVERY
Dibromofluoromethane	109
1,2-dichloroethane-d4	81.2
Toluene-d8	101
4-Bromofluorobenzene	96.4

ND= Not Detected at report limit

Method: EPA SW 846 8260B, 1311

Raland K. Tuttle

8-16-02
Date

Celey D. Keene
Raland K. Tuttle

ENVIRONMENTAL LAB OF TEXAS, LTD.

"Don't Treat Your Soil Like Dirt!"

E.T.G.L.
ATTN: TODD CHOBAN
P.O. BOX 4845
MIDLAND, TEXAS 79704
FAX: 520-4310

Sample Type: Soil
Sample Condition: Intact/ Iced/ =1.5 deg C
Project Name: Champion Technology Inc.
Project #: CH 2100
Project Location: Hobbs, NM

Sampling Date: 08/02/02
Receiving Date: 08/02/02
TCLP Extraction: 08/05/02
Analysis Date: 08/08/02
Field Code: Area 2 Stockpile #1 N. Side

TCLP SEMIVOLATILE ORGANICS (mg/L)	REG. LIMIT	REPORT LIMIT	ELT# 0204107-01	CCC % DEV	%EA	RPD
2-Methylphenol	200	0.007	ND			
4-Methylphenol	200	0.007	ND			
1,4-Dichlorobenzene	7.5	0.007	ND	-11.1	52	13
2, 4-Dinitrotoluene	0.13	0.007	ND		50	3
Hexachlorobenzene	0.13	0.007	ND			
Hexachlor-1, 3-butadien	0.5	0.007	ND	7.0		
Hexachloroethane	3	0.007	ND			
Nitrobenzene	2	0.007	ND			
Pentachlorophenol	100	0.007	ND	31.7#	55	3
Pyridine	5	0.007	ND			
2,4,5-Trichlorophenol	400	0.007	ND			
2,4,6-Trichlorophenol	2	0.007	ND	10.4		

ND= NOT DETECTED, < REPORTING LIMIT

SYSTEM MONITORING COMPOUNDS	% Recovery
2-Fluorophenol	38.6
Phenol-d5	29.5
Nitrobenzene-d5	95.2
2-Fluorobiphenyl	81.6
2,4,6-Tribromophenol	53.1
p-Terphenyl-d14	110

ND = Not detected at report limit

Out of historical ranges

Method: SW 846-8270C,1311

Celey D. Keene
Roland K. Tuttle

8-16-02
Date

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Todd Choban
Environmental Technology Group, Inc.
P.O. Box 4345
Midland, TX 79704

Order#: C0204107
Project: CH 2160
Project Name: Champion Technologies, Inc.
Location: Hobbs, NM

Lab ID: 0204107-01
Sample ID: Area 2 Stockpile #1 N. Side

METALS RCRA 7 TCLP

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Arsenic	<0.008	mg/L	1	0.008	1311/6010B	08/08/2002	8/9/02	SM
Barium	0.333	mg/L	1	0.001	1311/6010B	08/08/2002	8/9/02	SM
Cadmium	<0.001	mg/L	1	0.001	1311/6010B	08/08/2002	8/9/02	SM
Chromium	0.003	mg/L	1	0.002	1311/6010B	08/08/2002	8/9/02	SM
Lead	<0.011	mg/L	1	0.011	1311/6010B	08/08/2002	8/9/02	SM
Selenium	<0.004	mg/L	1	0.004	1311/6010B	08/08/2002	8/9/02	SM
Silver	<0.002	mg/L	1	0.002	1311/6010B	08/08/2002	8/9/02	SM

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Mercury, TCLP	<0.002	mg/L	1	0.002	1311/7470	08/06/2002	8/7/02	MB

Lab ID: 0204107-02
Sample ID: Area 2 Stockpile #1 S. Side

METALS RCRA 7 TCLP

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Arsenic	<0.008	mg/L	1	0.008	1311/6010B	08/08/2002	8/9/02	SM
Barium	0.393	mg/L	1	0.001	1311/6010B	08/08/2002	8/9/02	SM
Cadmium	<0.001	mg/L	1	0.001	1311/6010B	08/08/2002	8/9/02	SM
Chromium	<0.002	mg/L	1	0.002	1311/6010B	08/08/2002	8/9/02	SM
Lead	<0.011	mg/L	1	0.011	1311/6010B	08/08/2002	8/9/02	SM
Selenium	<0.004	mg/L	1	0.004	1311/6010B	08/08/2002	8/9/02	SM
Silver	<0.002	mg/L	1	0.002	1311/6010B	08/08/2002	8/9/02	SM

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Mercury, TCLP	<0.002	mg/L	1	0.002	1311/7470	08/06/2002	8/7/02	MB

Lab ID: 0204107-04
Sample ID: S.S. 1 East Wall/ South 6'

Cations

Parameter	Result	Units	Dilution Factor	RL	Method	Date Prepared	Date Analyzed	Analyst
Calcium	107000	mg/kg	50000	500	6010B	08/10/2002	8/13/02	SM
Magnesium	2350	mg/kg	1000	1.0	6010B	08/10/2002	8/13/02	SM
Potassium	599	mg/kg	100	5.0	6010B	08/10/2002	8/13/02	SM
Sodium	1520	mg/kg	100	1.0	6010B	08/10/2002	8/13/02	SM

N/A = Not Applicable RL = Reporting Limit

ENVIRONMENTAL LAB OF TEXAS

ANALYTICAL REPORT

Todd Chobon
Environmental Technology Group, Inc.
P.O. Box 6845
Midland, TX 79704

Order#: G0204107
Project: CH 2100
Project Name: Champion Technologies, Inc.
Location: Hobbs, NM

Lab ID: 0204107-01
Sample ID: Area 2 Stockpile #1 N. Side

RCI

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Ignitability	>100	C	1	NA	1010	8/5/02	SB
pH	7.61	pH Units	1	N/A	9045C	8/3/02	SB
Reactive Cyanide	<0.09	mg/kg	1	0.09	SW846 CH.7	8/3/02	SB
Reactive Sulfide	<5.00	mg/kg	1	5.00	SW846 CH.7	8/3/02	SB

Lab ID: 0204107-02
Sample ID: Area 2 Stockpile #1 S. Side

RCI

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Ignitability	>100	C	1	NA	1010	8/5/02	SB
pH	7.74	pH Units	1	N/A	9045C	8/3/02	SB
Reactive Cyanide	<0.09	mg/kg	1	0.09	SW846 CH.7	8/3/02	SB
Reactive Sulfide	<5.00	mg/kg	1	5.00	SW846 CH.7	8/3/02	SB

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
TPH 418.1 FTIR	11400	mg/kg	1	10.0	418.1	8/5/02	SB

Lab ID: 0204107-04
Sample ID: S.S. 1 East Wall/ South 6'

Anions

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Bicarbonate Alkalinity	105	mg/kg	1	2.00	310.1	8/6/02	SB
Carbonate Alkalinity	<0.10	mg/kg	1	0.10	310.1	8/6/02	SB
Chloride	702	mg/kg	5	50.0	9253	8/13/02	CK
Hydroxide Alkalinity	<0.10	mg/kg	1	0.10	310.1	8/6/02	SB
SULFATE, 375.4	224	mg/kg	5	2.5	375.4	8/12/02	MB

Test Parameters

Parameter	Result	Units	Dilution Factor	RL	Method	Date Analyzed	Analyst
Fluoride	3.40	mg/kg	5	0.10	340.1	8/13/02	MB
Nitrogen, Nitrate	18.0	mg/kg	1	0.5	353.3	8/6/02	SB
Nitrogen, Nitrite	1.50	mg/kg	1	0.100	354.1	8/6/02	SB
TPH 418.1 FTIR	27.6	mg/kg	1	10.0	418.1	8/5/02	SB

RL = Reporting Limit N/A = Not Applicable

obs, NM 88241-1980
District II · (505) 748-1283
811 S. First
Artesia, NM 88210
District III · (505) 334-6178
1000 Rio Brazos Road
Aztec, NM 87410
District IV · (505) 827-7131

Energy Minerals and Natural Resources Department
Oil Conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

Form C-1
Originated 8/

Submit Orig
Plus 1 C
to appropr
District Of

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☒ Verbal Approval Received: Yes ☐ No ☐	4. Generator Electric Submersib PUMP
	5. Originating Site Hobbs Yard
2. Management Facility Destination SUNDANCE SERVICES INC.	6. Transporter unknown
3. Address of Facility Operator P.O. BOX 1737 Eunice NM 88231	8. State NEW MEXICO
7. Location of Material (Street Address or ULSTR) 8426 N. Dal Paso Hobbs, NM 88241	

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:

The following analytical results are from Electric Submersible Pump's Hobbs facility. This waste is generated by the washing off of oil field rental tools. All equipment is washed into the sump and pumped to a waste water tank outside the building in a bermed area. I have attached a certificate of waste and chain of custody. Sundance would like approval to accept this material into our Parabo facility.

Estimated Volume 240 bbls. cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE: Donna L. Roach Waste Management Facility Authorized Agent TITLE: OFFICE MGR DATE: 8-12-02

TYPE OR PRINT NAME: DONNA L. ROACH TELEPHONE NO. 505-394-2511

08 1902-1

(This space for State Use)

APPROVED BY: _____ TITLE: ENVIRO ENGR DATE: 8/14/02

APPROVED BY: _____ TITLE: Environmental Geologist DATE: 8-19-02

1

CERTIFICATE OF WASTE STATUS

NON-EXEMPT WASTE MATERIAL

ORIGINATING LOCATION: WG ESP 8426 N. DAL PASO Hobbs N.M 88240

SOURCE: OIL FIELD RINSATE

DISPOSAL LOCATION: SUNDANCE SERVICES INC.

As a condition of acceptance for disposal, I hearby 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 no "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has been added or mixed with the waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, Section 261.3.

I, the undersigned as the agent for WG or ESP concur with the status of the waste from the subject site.

Name Randy Hinds

Title/Agency ESP

Address 8426 N. DAL PASO
Hobbs N.M. 88240

Signature Randy Hinds

Date 8-12-02

Sep 18'01 9:00 No.005 P.02
TEL:1-505-392-8190
ESP, INC. HOBBS

CARDINAL 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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Wood Group ESP	BILL TO
Project Manager: Rodrigo Bustos	P.O. #: 9904
Address: 8426 N. Dal Paso	Company:
City: Hobbs State: N.M. Zip: 88240	Attn:
Phone #: (505) 392-7999 Fax #: (505) 392-8190	Address:
Project #: Project Owner:	City:
Project Name:	State: Zip:
Project Location:	Phone #:
Sampler Name:	Fax #:

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER :	PRESERV: ACID/BASE:	ICE / COOL	OTHER :	SAMPLING: DATE	TIME	ANALYSIS REQUEST: TCLP
H6126-1	Test Water				X								9/18/01		X

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 the client for the 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 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.

Terms and Conditions: Interest will be charged on all accounts more than 30 days past due at the rate of 24% per annum from the original date of invoice, and all costs of collections, including attorney's fees.

Sampler Relinquished: Rodrigo Bustos	Date:	Received By:	Phone Result: ☐ Yes ☐ No Add'l Phone #:
	Time:		Fax Result: ☐ Yes ☐ No Add'l Fax #:
Relinquished By:	Date: 9/18/01 Time: 9:00	Received By: (Lab Staff)	REMARKS:
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Sample Condition: Cool: ☒ Yes ☐ No Intact: ☒ Yes ☐ No	CHECKED BY: (Initials)

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476.

CARDINAL LABORATORIES

PHONE (915) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603
PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
WOOD GROUP ESP
ATTN: RODRIGO BURROLA
8426 N. DAL PASO
HOBBS, NM 88240
FAX TO: (505) 392-8190

Receiving Date: 09/04/01
Reporting Date: 09/05/01
Project Number: NOT GIVEN
Project Name: NOT GIVEN
Project Location: NOT GIVEN
Lab Number: H6128-1
Sample ID: TEST WATER

Analysis Date: 09/04/01
Sampling Date: 09/04/01
Sample Type: WASTEWATER
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: BC

TCLP VOLATILES (ppm)	EPA LIMIT	Sample Result H6128-1	Method Blank	QC	%Recov.	True Value QC
Vinyl Chloride	0.20	<0.005	<0.005	0.106	106	0.100
1,1-Dichloroethylene	0.7	<0.005	<0.005	0.092	92	0.100
Methyl Ethyl Ketone	200	<0.050	<0.050	0.115	115	0.100
Chloroform	6.0	<0.005	<0.005	0.091	91	0.100
1,2-Dichloroethane	0.5	<0.005	<0.005	0.088	88	0.100
Benzene	0.5	0.011	<0.005	0.096	96	0.100
Carbon Tetrachloride	0.5	<0.005	<0.005	0.090	90	0.100
Trichloroethylene	0.5	0.104	<0.005	0.098	98	0.100
Tetrachloroethylene	0.7	<0.005	<0.005	0.084	84	0.100
Chlorobenzene	100	<0.005	<0.005	0.096	96	0.100
1,4-Dichlorobenzene	7.5	<0.005	<0.005	0.089	89	0.100

	% RECOVERY
Dibromofluoromethane	103
Toluene-d8	111
Bromofluorobenzene	108

METHODS: EPA SW 846-8260, 1311

Burgess J. A. Cooke, Ph. D.

9/5/01
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

PHONE (915) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603
PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
WOOD GROUP ESP
ATTN: RODRIGO BURROLA
8426 N. DAL PASO
HOBBS, NM 88240
FAX TO: (505) 392-8190

Receiving Date: 09/04/01
Reporting Date: 09/11/01
Project Number: NOT GIVEN
Project Name: NOT GIVEN
Project Location: NOT GIVEN
Lab Number: H6128-1
Sample ID: TEST WATER

Extraction Date: 09/04/01
Analysis Date: 09/10/01
Sampling Date: 09/04/01
Sample Type: WASTEWATER
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: BC

TCLP SEMIVOLATILES (ppm)	EPA LIMIT	Sample Result H6128-1	Method Blank	QC	% Recov.	True Value QC
Pyridine	5.00	<0.020	<0.005	0.006	12	0.050
1,4-Dichlorobenzene	7.50	<0.020	<0.005	0.028	56	0.050
o-Cresol	200	<0.020	<0.005	0.036	72	0.050
m, p-Cresol	200	<0.020	<0.005	0.036	72	0.050
Hexachloroethane	3.00	<0.020	<0.005	0.024	48	0.050
Nitrobenzene	2.00	<0.020	<0.005	0.044	88	0.050
Hexachloro-1,3-butadiene	0.500	<0.020	<0.005	0.029	58	0.050
2,4,6-Trichlorophenol	2.00	<0.020	<0.005	0.043	86	0.050
2,4,5-Trichlorophenol	400	<0.020	<0.005	0.042	84	0.050
2,4-Dinitrotoluene	0.130	<0.020	<0.005	0.046	92	0.050
Hexachlorobenzene	0.130	<0.020	<0.005	0.047	94	0.050
Pentachlorophenol	100	<0.020	<0.005	0.051	102	0.050

	% RECOVERY
Fluorophenol	36
Phenol-d5	24
Nitrobenzene-d5	75
2-Fluorobiphenyl	59
2,4,6-Tribromophenol	39
Terphenyl-d14	75

METHODS: EPA SW 846-8270, 1311, 3510

Burgess J.A. Cooke, Ph. D.

Date 9/11/01

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

PHONE (915) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603
PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
WOOD GROUP ESP
ATTN: RODRIGO BURROLA
8426 N. DAL PASO
HOBBS, NM 88240
FAX TO: (505) 392-8190

Receiving Date: 09/04/01
Reporting Date: 09/07/1
Project Number: NOT GIVEN
Project Name: NOT GIVEN
Project Location: NOT GIVEN

Sampling Date: 09/04/01
Sample Type: WASTEWATER
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: AH/BC

LAB NUMBER SAMPLE ID	REACTIVITY Sulfide (ppm)	REACTIVITY Cyanide (ppm)	CORROSIVITY (pH)	IGNITABILITY (°F)
ANALYSIS DATE:	09/05/01	09/05/01	09/05/01	09/06/01
H6128-1	Not reactive	Not reactive	7.17	>140
Quality Control	NR	NR	6.94	NR
True Value QC	NR	NR	7.00	NR
% Recovery	NR	NR	99.1	NR
Relative Percent Difference	NR	NR	0.7	NR

METHOD: EPA SW 846-7.3, 7.2, 1010, 1311, *40 CFR 261*

Chemist

9/7/01
Date

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CARDINAL LABORATORIES

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PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
WOOD GROUP ESP
ATTN: RODRIGO BURROLA
8426 N. DAL PASO
HOBBS, NM 88240
FAX TO: (505) 392-8190

Receiving Date: 09/04/01
Reporting Date: 09/07/01
Project Number: NOT GIVEN
Project Name: NOT GIVEN
Project Location: NOT GIVEN

Sampling Date: 09/04/01
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:		09/06/01	09/07/01	09/07/01	09/07/01	09/07/01	09/07/01	09/07/01	09/06/01
EPA LIMITS:		5	5	100	1	5	5	0.2	1
H6128-1	TEST WATER	<1	<1	<5	<0.1	<1	<1	<0.02	<0.1
Quality Control		0.048	4.530	21.90	0.994	4.878	5.062	0.0107	0.199
True Value QC		0.050	5.000	25.00	1.000	5.000	5.000	0.0100	0.200
% Recovery		96.0	90.6	87.6	99.4	97.6	101	107	99.5
Relative Standard Deviation		2.2	0.2	1.4	0.7	0.9	1.4	6.5	2.2
METHODS: EPA 1311, 600/4-79-		206.2	272.1	208.1	213.1	218.1	239.1	245.1	270.2

Amy Hill
Chemist

9-7-01
Date

H6128M.XLS

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.

Hobbs, NM 88241-1980
District II - (505) 748-1283
811 S. First
Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Road
Aztec, NM 87410
District IV - (505) 827-7131

Energy Minerals and Natural Resources Department
Oil Conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

Originated 8/8

Submit Origi
Plus 1 Co
to appropri
District Off

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☒	4. Generator Permian Mack
Verbal Approval Received: Yes ☐ No ☐	5. Originating Site Hobbs Facili
2. Management Facility Destination SUNDANCE SERVICES INC.	6. Transporter Maclaskey
3. Address of Facility Operator P.O. BOX 1737 Eunice NM 88231	8. State NEW MEXICO
7. Location of Material (Street Address or ULSTR) 2121 W West County Road Hobbs, NM 88240	

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:

The following analytical results are from Permian Mack's Hobbs facility. This waste was generated by the washing of trucks and shop tools into the grit trap. I have included a certificate of waste status and chain of custody. Sundance would like approval to accept this material into our Parabo facility.

Note: Waste stream has not changed since this analytical results Generator is in the process of running up to date results

Estimated Volume 200 bbls. cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE: Donna L. Roach (Waste Management Facility Authorized Agent) TITLE: OFFICE MGR DATE: 7-18-02

TYPE OR PRINT NAME: DONNA L. ROACH TELEPHONE NO. 505-394-2511

(This space for State Use)

APPROVED BY: _____ TITLE: ENVIR ENGR DATE: 7/31/02

APPROVED BY: _____ TITLE: Environmental Geologist DATE: 8/12/02

CERTIFICATE OF WASTE STATUS

NON-EXEMPT WASTE MATERIAL

ORIGINATING LOCATION: 2121 West County Road Hobbs, NM

SOURCE: wash bay grit trap

DISPOSAL LOCATION: SUNDANCE SERVICES INC.

As a condition of acceptance for disposal, I hearby 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 no "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has been added or mixed with the waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, Section 261.3.

I, the undersigned as the agent for Permian Mack Sales concur with the status of the waste from the subject site.

Name Gary Schrib

Title/Angency Brucker Truck Sales

Address P.O. Box 1678
Hobbs, NM 88240

Signature [signature]

Date 7-18-02

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

CARDINAL 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 ____

Company Name: PERMIAN MGMT	BILL TO
Project Manager: RANDY	P.O. #:
Address: P.O. Box 1678	Company:
City: HOBBS State: NM Zip: 88240	Attn:
Phone #: Fax #:	Address:
Project #: Project Owner:	City:
Project Name:	State: Zip:
Project Location:	Phone #:
Sampler Name:	Fax #:

ANALYSIS REQUEST

TCLP - COMPLETE ✓

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER:	PRESERV: ACID/BASE:	ICE / COOL	OTHER:	SAMPLING: DATE	TIME
H5160-1	Salt Trap							✓			✓		09/07/00	3:40 P

Turnaround Time: Standard Rush

Intact Observed: Yes No

Thermometer ID #

Cooler Custody Seals: Yes No N/A

Sample Custody Seals: Yes No N/A

Total Containers:

Sampler Relinquished: Date: Time: Received By:

Relinquished By: Date: 09/07/2000 Time: 9:10P Received By: (Lab Staff)

Delivered By: (Circle One) Sampler - UPS - Bus - Other:

Sample Condition: Cool: Yes No Intact: Yes No

CHECKED BY: (Initials)

Phone Result: Yes No Add'l Phone #:

Fax Result: Yes No Add'l Fax #:

REMARKS:

RECEIVED
SEP 18 2000

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476.

CARDINAL LABORATORIES

PHONE (915) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603
PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
PERMIAN MACK SALES OF NM, INC.
ATTN: RANDY
P.O. BOX 1678
HOBBS, NM 88240
FAX TO:

Receiving Date: 09/07/00
Reporting Date: 09/14/00
Project Owner: NOT GIVEN
Project Name: NOT GIVEN
Project Location: NOT GIVEN

Sampling Date: 09/07/00
Sample Type: SLUDGE
Sample Condition: COOL & INTACT
Sample Received By: GP
Analyzed By: BC/AH

REACTIVITY

LAB NUMBER	SAMPLE ID	Sulfide (ppm)	Cyanide (ppm)	CORROSIVITY (pH)	IGNITABILITY (°F)
ANALYSIS DATE:		9/12/00	9/12/00	9/13/00	9/13/00
H5160-1	GRIT TRAP	Not reactive	Not reactive	6.60	>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	NR

METHOD: EPA SW 846-7.3, 7.2, 1010, 1311, *40 CFR 261*

Chemist

9/14/00
Date

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PHONE (505) 393-2326 • 101 E MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
PERMIAN MACK SALES OF NM, INC.
ATTN: RANDY
P.O. BOX 1678
HOBBS, NM 88240
FAX TO:

Receiving Date: 09/07/00
Reporting Date: 09/14/00
Project Owner: NOT GIVEN
Project Name: NOT GIVEN
Project Location: NOT GIVEN

Sampling Date: 09/07/00
Sample Type: SLUDGE
Sample Condition: COOL & INTACT
Sample Received By: GP
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:		09/11/00	09/11/00	09/11/00	09/11/00	09/11/00	9/11/000	09/13/00	09/11/00
EPA LIMITS:		5	5	100	1	5	5	0.2	1
H5160-1	GRIT TRAP	<1	<1	<5	<0.1	<2	<1	<0.02	<0.1
Quality Control		0.056	4.852	24.63	0.949	5.273	5.182	0.0105	0.215
True Value QC		0.050	5.000	25.00	1.000	5.000	5.000	0.0100	0.200
% Recovery		110	97.0	98.1	94.9	105	104	105	108
Relative Standard Deviation		2.3	0.5	1.3	0.4	2.4	0.1	13.2	5.4
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

9-14-00
Date

H5160.XLS

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PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
PERMIAN MACK SALES OF NM, INC.
ATTN: RANDY
P.O. BOX 1678
HOBBS, NM 88240
FAX TO:

Receiving Date: 09/07/00
Reporting Date: 09/14/00
Project Owner: NOT GIVEN
Project Name: NOT GIVEN
Project Location: NOT GIVEN
Lab Number: H5160-1
Sample ID: GRIT TRAP

Analysis Date: 09/13/00
Sampling Date: 09/07/00
Sample Type: SLUDGE
Sample Condition: COOL & INTACT
Sample Received By: GP
Analyzed By: BC

TCLP SEMIVOLATILES (ppm)	EPA LIMIT	Sample Result H5160-1	Method Blank	QC	% Recov.	True Value QC
Pyridine	5.00	<0.020	<0.005	0.020	40	0.050
1,4-Dichlorobenzene	7.50	0.028	<0.005	0.030	60	0.050
o-Cresol	200	<0.020	<0.005	0.030	60	0.050
m, p-Cresol	200	0.023	<0.005	0.031	62	0.050
Hexachloroethane	3.00	<0.020	<0.005	0.026	52	0.050
Nitrobenzene	2.00	<0.020	<0.005	0.030	60	0.050
Hexachloro-1,3-butadiene	0.500	<0.020	<0.005	0.031	62	0.050
2,4,6-Trichlorophenol	2.00	<0.020	<0.005	0.043	86	0.050
2,4,5-Trichlorophenol	400	<0.020	<0.005	0.044	88	0.050
2,4-Dinitrotoluene	0.130	<0.020	<0.005	0.043	86	0.050
Hexachlorobenzene	0.130	<0.020	<0.005	0.045	90	0.050
Pentachlorophenol	100	<0.020	<0.005	0.041	82	0.050

	% RECOVERY
Fluorophenol	53
Phenol-d5	57
Nitrobenzene-d5	77
2-Fluorobiphenyl	65
2,4,6-Tribromophenol	83
Terphenyl-d14	97

METHODS: EPA SW 846-8270, 1311, 3510

Burgess J. A. Cooke, Ph. D.

9/14/00
Date

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PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
PERMIAN MACK SALES OF NM, INC.
ATTN: RANDY
P.O. BOX 1678
HOBBS, NM 88240
FAX TO:

Receiving Date: 09/07/00
Reporting Date: 09/11/00
Project Owner: NOT GIVEN
Project Name: NOT GIVEN
Project Location: NOT GIVEN
Lab Number: H5160-1
Sample ID: GRIT TRAP

Analysis Date: 09/08/00
Sampling Date: 09/07/00
Sample Type: SLUDGE
Sample Condition: COOL & INTACT
Sample Received By: GB
Analyzed By: BC

TCLP VOLATILES (ppm)	EPA LIMIT	Sample Result H5160-1	Method Blank	True Value QC	%Recov.	QC
Vinyl Chloride	0.20	<0.005	<0.005	0.087	87	0.100
1,1-Dichloroethylene	0.7	<0.005	<0.005	0.102	102	0.100
Methyl Ethyl Ketone	200	0.113	<0.050	0.109	109	0.100
Chloroform	6.0	<0.005	<0.005	0.104	104	0.100
1,2-Dichloroethane	0.5	<0.005	<0.005	0.114	114	0.100
Benzene	0.5	<0.005	<0.005	0.108	108	0.100
Carbon Tetrachloride	0.5	<0.005	<0.005	0.105	105	0.100
Trichloroethylene	0.5	<0.005	<0.005	0.109	109	0.100
Tetrachloroethylene	0.7	0.011	<0.005	0.106	106	0.100
Chlorobenzene	100	<0.005	<0.005	0.106	106	0.100
1,4-Dichlorobenzene	7.5	<0.005	<0.005	0.111	111	0.100

	% RECOVERY
Dibromofluoromethane	95
Toluene-d8	96
Bromofluorobenzene	98

METHODS: EPA SW 846-8260, 1311

Burgess J.A. Cooke, Ph. D.

9/11/00
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 Key Energy
	5. Originating Site Eunice Yard
2. Management Facility Destination Sundance Services Inc.	6. Transporter Key
3. Address of Facility Operator P.O. box 1737 Eunice NM 88231	8. State New Mexico
7. Location of Material (Street Address or ULSTR) 2105 Ave. O Eunice New Mexico 88231	

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:

The following analytical results are from Key Energy's Eunice Facility. This waste was generated by the washing of trucks and oilfield equipment. I have included a certificate of waste status and a chain of custody for your review. Sundance would like to accept this material into our Parabo Disposal facility.

Donna Roach says. Did not Receive This waste 4-4-03 mjk

Estimated Volume 360 bbls cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE _____ TITLE: President DATE: _____
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Donna Roach TELEPHONE NO. 505-394-2511

(This space for State Use)

APPROVED BY: _____ TITLE: Environ Engr DATE: 8/26/02

APPROVED BY: _____ TITLE: _____ DATE: _____

CERTIFICATE OF WASTE STATUS

NON–EXEMPT WASTE MATERIAL

ORIGINATING LOCATION: Eunice Key Yard

SOURCE: Wash Out Sump

DISPOSAL LOCATION: SUNDANCE SERVICES INC.

As a condition of acceptance for disposal, I hearby 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 no "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has been added or mixed with the waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, Section 261.3.

I, the undersigned as the agent for Key Energy Serv. Inc. concur with the status of the waste from the subject site.

Name Royce Cowell

Title/Angency Compliance Specialist

Address P.O. Box 2040
Hobbs, NM 88241

Signature Royce Cowell

Date 7/24/02

PAGE 01

KEY ENERGY SERVICE

5053933848

07/25/2002 08:39

ARCADIS G&M

Laboratory Task Order No./P.O. No. _____

CHAIN-OF-CUSTODY RECORD

Page 1 of _____

Project Number/Name TX000489.00002

Project Location New Mexico Key Facilities

Laboratory STL

Project Manager Wes Arthur

Sampler(s)/Affiliation Wes

Sample ID/Location	Matrix	Date/Time Sampled	Lab ID	TPH 8260-8015 (2) 120ml/Amber	TPH-8015 (2) 40ml VOA Vials	TCLP Metals (1) 500ml	Chloride (1) 50ml	BTEX-8021 (2) 40ml VOA Vials		Remarks	Total
TX489/HOBBS-01	L			X	X	X	X	X		HOBBS, NM	8
TX489/EUNICE-01	L	6/20 9:20am		X	X	X	X	X		EUNICE, NM	8
TX489/CARLSBAD-01	L			X	X	X	X	X		CARLSBAD, NM	8
TRIP BLANK	L										4
TEMP BLANK	L										2

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

Total No. of Bottles/Containers 32

Relinquished by: Wesley ARTHUR	Organization: ARCADIS	Date 6/20/02	Time 5:00 pm	Seal Intact?	
Received by:	Organization:	Date / /	Time	(Yes) No N/A	
Relinquished by:	Organization:	Date / /	Time	Seal Intact?	
Received by:	Organization:	Date / /	Time	Yes No N/A	

Special Instructions/Remarks: _____

Delivery Method: ☐ In Person ☑ Common Carrier FEDEX ☐ Lab Courier ☐ Other _____

STL Houston

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

07/05/02
Date

Name: Sachin G. Kudchadkar

Title: Project Manager III

E-Mail: skudchadkar@stl-inc.com

Severn Trent Laboratories
6310 Rothway Drive
Houston, TX 77040

PHONE: (713) 690-4444

TOTAL NO. OF PAGES 34

SEVERN TRENT SERVICES

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,

Sachin G. Kudchadkar
Project Manager

SEVERN TRENT SERVICES

STL Houston

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

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LABORATORY TEST RESULTS

Job Number: 236947 Date: 07/05/2002

CUSTOMER: Arcadis G&M PROJECT: TX000489.00002 ATTN: Wes Aurthur

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		3.00	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	178		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

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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		1.00	ug/L	06/25/02	maz
	Toluene, Water	149		10.0	ug/L	06/25/02	maz
	Ethylbenzene, Water	25.3		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

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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.....: EPA 300.0 Analyst...: cas
Method Description.: Ion Chromatography Analysis Units.....: mg/L Test Code.: CHL
Parameter.....: Chloride Batch(s)...: 53711

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 Analyst...: twr
Method Description.: Metals Analysis (ICAP Trace) Units.....: mg/L Test Code.: AS
Parameter.....: Arsenic (As) Batch(s)...: 53894 53941 53990

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

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

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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 6010B Analyst...: twr
Method Description.: Metals Analysis (ICAP Trace) Units.....: mg/L Test Code.: AS
Parameter.....: Arsenic (As) Batch(s)...: 53894 53941 53990

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result *	Limits	F	Date	Time
ISA		MS061002IA	0.00391		0.0					06/28/2002	0900
ISB		MS061002IB	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		MS061002IA	0.00056		0.0					06/28/2002	1555
ISB		MS061002IB	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		MS061002IA	0.00092		0.0					06/28/2002	2016
ISB		MS061002IB	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

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

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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 6010B Analyst...: twr
Method Description.: Metals Analysis (ICAP Trace) Units.....: mg/L Test Code.: BA
Parameter.....: Barium (Ba) Batch(s)...: 53894 53941 53990

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

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

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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 6010B Analyst...: twr
Method Description.: Metals Analysis (ICAP Trace) Units.....: mg/L Test Code.: BA
Parameter.....: Barium (Ba) Batch(s)...: 53894 53941 53990

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result *	Limits	F	Date	Time
ISB		MS061002IB	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		MS061002IA	0.00135		0.0					06/28/2002	2016
ISB		MS061002IB	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 Analyst...: twr
Method Description.: Metals Analysis (ICAP Trace) Units.....: mg/L Test Code.: CD
Parameter.....: Cadmium (Cd) Batch(s)...: 53894 53941 53990

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		MS061002IA	-0.00193		0.0					06/27/2002	0822
ISB		MS061002IB	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

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

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

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

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

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

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result *	Limits	F	Date	Time
ISB		MS061002IB	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 Analyst...: twr
Method Description.: Metals Analysis (ICAP Trace) Units.....: mg/L Test Code.: CR
Parameter.....: Chromium (Cr) Batch(s)...: 53894 53941 53990

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		MS061002IB	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		MS061002IB	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

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

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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 6010B Analyst...: twr
Method Description.: Metals Analysis (ICAP Trace) Units.....: mg/L Test Code.: CR
Parameter.....: Chromium (Cr) Batch(s)...: 53894 53941 53990

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		MS0610021A	0.00265		0.0					06/28/2002	1555
ISB		MS0610021B	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		MS0610021A	0.00269		0.0					06/28/2002	2016
ISB		MS0610021B	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 Analyst...: twr
Method Description.: Metals Analysis (ICAP Trace) Units.....: mg/L Test Code.: PB
Parameter.....: Lead (Pb) Batch(s)...: 53894 53941 53990

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		MS0610021A	-0.00166		0.0					06/27/2002	0822
ISB		MS0610021B	1.05650		1.00		105.7	80.0-120.		06/27/2002	0826

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

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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 6010B Analyst...: twr
Method Description.: Metals Analysis (ICAP Trace) Units.....: mg/L Test Code.: PB
Parameter.....: Lead (Pb) Batch(s)...: 53894 53941 53990

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			

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

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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 6010B Analyst...: twr
Method Description.: Metals Analysis (ICAP Trace) Units.....: mg/L Test Code.: PB
Parameter.....: Lead (Pb) Batch(s)...: 53894 53941 53990

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 Analyst...: twr
Method Description.: Mercury (CVAA) Units.....: ug/L Test Code.: HG
Parameter.....: Mercury (Hg) Batch(s)...: 54051

QC	Lab ID	Reagent	QC Result	QC Result	True Value	Orig. Value	Calc. Result *	Limits	F	Date	Time
S0			0							07/01/2002	1404
S0.2			0							07/01/2002	1405
S0.5			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		MSHGCRA	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

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

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Job Number.: 236947 Report Date.: 07/05/2002

CUSTOMER: Arcadis G&M PROJECT: TX000489.00002 ATTN: Wes Aurthur

Test Method.....: SW-846 7470A Analyst...: twr
Method Description.: Mercury (CVAA) Units.....: ug/L Test Code.: HG
Parameter.....: Mercury (Hg) Batch(s)...: 54051

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 Analyst...: twr
Method Description.: Metals Analysis (ICAP Trace) Units.....: mg/L Test Code.: SE
Parameter.....: Selenium (Se) Batch(s)...: 53894 53941 53990

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			

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

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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 6010B Analyst...: twr
Method Description.: Metals Analysis (ICAP Trace) Units.....: mg/L Test Code.: SE
Parameter.....: Selenium (Se) Batch(s)...: 53894 53941 53990

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 Analyst...: twr
Method Description.: Metals Analysis (ICAP Trace) Units.....: mg/L Test Code.: AG
Parameter.....: Silver (Ag) Batch(s)...: 53894 53941 53990

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

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

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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 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

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

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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 6010B Analyst...: twr
Method Description.: Metals Analysis (ICAP Trace) Units.....: mg/L Test Code.: AG
Parameter.....: Silver (Ag) Batch(s)....: 53894 53941 53990

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

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

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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

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time

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

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

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

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	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

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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

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
CCV	Continuing Calibration Verification	BXS062402A			06/25/2002	1722

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

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

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

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							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

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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

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

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

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	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

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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
MSD	Matrix Spike Duplicate	BXS062402A	237030-6		06/25/2002 1312

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

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

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

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

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

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	

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

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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				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		70-130	
					0.7		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							

* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

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CUSTOMER: Arcadis G&M PROJECT: TX000489.00002 ATTN:

QC Type	Description	Reag. Code	Lab ID	Dilution Factor	Date	Time
MS	Matrix Spike	BX051702A	236984-2		07/02/2002	1415

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

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		70-130	
					6.0		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

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

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

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		70-130	
					5.8		20	

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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 Method Code...: 8015D Prep Batch....: 53592
Batch(s).....: 53881 Test Matrix...: Water 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

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SURROGATE RECOVERIES REPORT

Job Number.: 236947 Report Date.: 07/05/2002

CUSTOMER: Arcadis G&M PROJECT: TX000489.00002 ATTN: Wes Aurthur

Method.....: Total Volatile Petroleum Hydrocarbons Method Code...: 8015G Prep Batch....:
Batch(s).....: 54086 54224 Test Matrix...: Water 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

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SURROGATE RECOVERIES REPORT

Job Number.: 236947 Report Date.: 07/05/2002

CUSTOMER: 483648 PROJECT: TX000489.00002 ATTN: Wes Aurthur

Method.....: GC Volatile Organics Method Code...: 8021 Prep Batch....:
Batch(s).....: 53762 Test Matrix...: Water 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

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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 reportesd 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 charachterization 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.

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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. Phthlates 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 coefficent 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

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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 1193; 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.

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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

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1000 Rio Brazos Road
Aztec, NM 87410
District IV · (505) 827-7131

Energy, Minerals and Natural Resources Department
Oil Conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☒	4. Generator Conoco Inc.
Verbal Approval Received: Yes ☐ No ☐	5. Originating Site State line Co
2. Management Facility Destination SUNDANCE SERVICES INC.	6. Transporter Key
3. Address of Facility Operator P.O. BOX 1737 Eunice NM 88231	8. State TEXAS
7. Location of Material (Street Address or ULSTR) TNRCC#	RF-0047 F

9 Circle One:

A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste fr Generator; one certificate per job.

(B.) All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical anal PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazard listing or testing will be approved.

All transporters must certify the wastes delivered are only those consigned for transport.

BRIEF DESCRIPTION OF MATERIAL:

Attached are analytical results for compressor station for Conoco Inc. I have included a chain of custody and certificate of waste status. Sundance would like approval to accept this material into our Parabo Facility.

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

SIGNATURE: Donna Roach Waste Management Facility Authorized Agent TITLE: OFFICE MGR DATE: 5-31-02

TYPE OR PRINT NAME: DONNA L. ROACH TELEPHONE NO. 505-394-2511

(This space for State Use)

APPROVED BY: _____ TITLE: Environmental Engr DATE: 6-7-02

APPROVED BY: _____ TITLE: Environmental Geologist DATE: 6/10/02

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

COMPANY /GENERATOR CONOCO INC. (CG&P)

ADDRESS 921 W.SANGER HOBBS,NM 88240

GENERATING SITE Stateline Comp Station

GENERATING PROCESS ENGINE /COMPRESSOR OPERATION

REMARKS

NMOCD FACILITY SUNDANCE SERVICES INC.

TRUCKING COMPANY HUGHES TRKING / STEVE CARTER TRKING/ KEY SERVICES

As a condition of acceptance for disposal, I hereby certify that his waste is a non-exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory determinations. 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 Mark Bishop
SIGNATURE

NAME MARK BISHOP
PRINTED

ADDRESS 921 W. SANGER

HOBBS, NM 88240

DATE 2-14-02

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

CARDINAL 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 ____

Company Name:	Conoco Inc
Project Manager:	Mark Bishop
Address:	921 W Sanger
City:	Hobbs State: NM Zip: 88240
Phone #:	391 1956 Fax #:
Project #:	Project Owner: Conoco
Project Name:	State line Comp Sta
Project Location:	
Sampler Name:	Mark Bishop

BILL TO

P.O. #:	
Company:	
Attn:	
Address:	
City:	
State:	Zip:
Phone #:	
Fax #:	

ANALYSIS REQUEST

TCLP - Chromium

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER :	PRESERV: ACID/BASE	ICE / COOL	OTHER :	SAMPLING: DATE	TIME
H6756-1	State Line Compression Station		2						✓				05/21	

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Terms and Conditions: Interest will be charged on all accounts more than 30 days past due at the rate of 24% per annum from the original date of invoice, and all costs of collection, including attorney's fees.

Sampler Relinquished: Mark Bishop	Date: 5210? Time: 4:00PM	Received By:	
Relinquished By:	Date: 05/21/2002 Time: 3:55P	Received By: (Lab Staff)	

Phone Result:	☐ Yes ☐ No	Add'l Phone #:
Fax Result:	☐ Yes ☐ No	Add'l Fax #:
REMARKS:		

Delivered By: (Circle One)	Sample Condition: Cool ☒ Yes ☐ No; Intact ☒ Yes ☐ No	CHECKED BY: (Initials)
Sampler - UPS - Bus - Other:		

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476.

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ANALYTICAL RESULTS FOR
CONOCO, INC.
ATTN: MARK BISHOP
921 W. SANGER
HOBBS, NM 88240
FAX TO:

Receiving Date: 05/21/02
Reporting Date: 05/25/02
Project Number: NOT GIVEN
Project Name: STATE LINE COMP STA.
Project Location: NOT GIVEN

Sampling Date: 05/21/02
Sample Type: LIQUID
Sample Condition: COOL & INTACT
Sample Received By: GP
Analyzed By: AH

TCLP METALS

LAB NUMBER	SAMPLE ID	As ppm	Ag ppm	Ba ppm	Cd ppm	Cr ppm	Pb ppm	Hg ppm	Se ppm
ANALYSIS DATE:		05/22/02	05/22/02	05/22/02	05/22/02	05/22/02	05/22/02	05/22/02	05/22/02
EPA LIMITS:		5	5	100	1	5	5	0.2	1
H6756-1	STATE LINE	<1	<1	<5	<0.1	<1	<1	<0.02	<0.1
	COMPRESSOR								
	STATION								
Quality Control		0.0462	4.968	25.11	0.989	4.967	4.996	0.0109	0.159
True Value QC		0.0500	5.000	25.00	1.000	5.000	5.000	0.0100	0.150
% Recovery		92.4	99.4	100	98.9	99.4	100	109	106
Relative Percent Difference		3.0	0.2	7.2	0.5	0.2	0.3	9.0	1.6
METHODS: EPA 1311, 600/4-79-0		206.2	272.1	208.1	213.1	218.1	239.1	245.1	270.2

Chemist

5/25/02
Date

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ANALYTICAL RESULTS FOR
CONOCO, INC.
ATTN: MARK BISHOP
921 W. SANGER
HOBBS, NM 88240
FAX TO:

Receiving Date: 05/21/02
Reporting Date: 05/23/02
Project Number: NOT GIVEN
Project Name: STATE LINE COMP STA.
Project Location: NOT GIVEN

Sampling Date: 05/21/02
Sample Type: LIQUID
Sample Condition: COOL & INTACT
Sample Received By: GP
Analyzed By: AH/BC

LAB NO.	SAMPLE ID	REACTIVITY Sulfide (ppm)	REACTIVITY Cyanide (ppm)	CORROSIVITY (pH)	IGNITABILITY (°F)
ANALYSIS DATE:		05/22/02	05/22/02	05/22/02	05/22/02
H6756-1	STATE LINE COMP. STA.	Not reactive	Not reactive	9.83	>140
Quality Control		NR	NR	7.07	NR
True Value QC		NR	NR	7.00	NR
% Recovery		NR	NR	101	NR
Relative Percent Difference		NR	NR	1.2	NR

METHOD: EPA SW-846 7.3, 7.2, 1010, 1311, *40 CFR 261*

Chemist

5/23/02
Date

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ANALYTICAL RESULTS FOR
CONOCO, INC.
ATTN: MARK BISHOP
921 W. SANGER
HOBBS, NM 88240
FAX TO:

Receiving Date: 05/21/02
Reporting Date: 05/25/02
Project Number: NOT GIVEN
Project Name: STATE LINE COMP STA.
Project Location: NOT GIVEN
Lab Number: H6756-1
Sample ID: STATE LINE COMPRESSOR STATION

Analysis Date: 05/24/02
Sampling Date: 05/21/02
Sample Type: LIQUID
Sample Condition: COOL & INTACT
Sample Received By: GP
Analyzed By: BC

TCLP SEMIVOLATILES (ppm)	EPA LIMIT	Sample Result H6755-1	Method Blank	QC	% Recov	True Value QC
Pyridine	5.00	<0.050	<0.005	0.021	42	0.050
1,4-Dichlorobenzene	7.50	<0.050	<0.005	0.040	80	0.050
o-Cresol	200	<0.050	<0.005	0.040	80	0.050
m, p-Cresol	200	<0.050	<0.005	0.037	74	0.050
Hexachloroethane	3.00	<0.050	<0.005	0.039	78	0.050
Nitrobenzene	2.00	<0.050	<0.005	0.048	96	0.050
Hexachloro-1,3-butadiene	0.500	<0.050	<0.005	0.048	96	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	0.055	110	0.050
2,4-Dinitrotoluene	0.130	<0.050	<0.005	0.055	110	0.050
Hexachlorobenzene	0.130	<0.050	<0.005	0.054	108	0.050
Pentachlorophenol	100	<0.050	<0.005	0.054	106	0.050

	% RECOVERY
Fluorophenol	MI(10)
Phenol-d5	MI(9)
Nitrobenzene-d5	67
2-Fluorobiphenyl	53
2,4,6-Tribromophenol	88
Terphenyl-d14	82

METHODS: EPA SW-846 1311, 8270, 3510
MI=Matrix interference due to high levels of 2-Butoxyethanol.

Burgess J. A. Cooke, Ph.D.

5/25/02
Date

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CARDINAL LABORATORIES

PHONE (915) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603
PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
CONOCO, INC.
ATTN: MARK BISHOP
921 W. SANGER
HOBBS, NM 88240
FAX TO:

Receiving Date: 05/21/02
Reporting Date: 05/23/02
Project Number: NOT GIVEN
Project Name: STATE LINE COMP STA.
Project Location: NOT GIVEN
Lab Number: H6756-1
Sample ID: STATE LINE COMPRESSOR STATION

Analysis Date: 05/22/02
Sampling Date: 05/21/02
Sample Type: LIQUID
Sample Condition: COOL & INTACT
Sample Received By: GP
Analyzed By: BC

TCLP VOLATILES (ppm)	EPA LIMIT	Sample Result H6756-1	Method Blank	QC	%Recov.	True Value QC
Vinyl Chloride	0.20	<0.050	<0.005	0.095	95	0.100
1,1-Dichloroethylene	0.7	<0.050	<0.005	0.104	104	0.100
Methyl Ethyl Ketone	200	0.594	<0.050	0.115	115	0.100
Chloroform	6.0	<0.050	<0.005	0.100	100	0.100
1,2-Dichloroethane	0.5	<0.050	<0.005	0.103	103	0.100
Benzene	0.5	0.123	<0.005	0.096	96	0.100
Carbon Tetrachloride	0.5	<0.050	<0.005	0.093	93	0.100
Trichloroethylene	0.5	<0.050	<0.005	0.096	96	0.100
Tetrachloroethylene	0.7	<0.050	<0.005	0.087	87	0.100
Chlorobenzene	100	<0.050	<0.005	0.095	95	0.100
1,4-Dichlorobenzene	7.5	<0.050	<0.005	0.098	98	0.100

	% RECOVERY
Dibromofluoromethane	97
Toluene-d8	103
Bromofluorobenzene	104

METHODS: EPA SW 846-8260, 1311

Burgess J. A. Cooke, Ph. D.

5/23/02
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

RECEIVED
JUN 0 3 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 Key Energy 5. Originating Site Hobbs Yard(Fluid)
2. Management Facility Destination Sundance Services Inc.	6. Transporter Key
3. Address of Facility Operator P.O. Box 1737 Eunice	8. State New Mexico
7. Location of Material (Street Address or ULSTR) 418 S. Grimes Hobbs, NM 88240	

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:

The following analtyical results are from Key Energy's Hobbs Fluid Transport Yard. This waste was generated by the washing of their trucks and oilfield equipment. I have enclosed a certificate of waste status and chain of custody. Sundance would like approval to accept this material into our Parabo dispodal facility

Estimated Volume 25yd./260bbl. Known Volume (to be entered by the operator at the end of the haul) _____cy

SIGNATURE Donna L. Roach TITLE: President DATE: 5-16-02
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Donna L. Roach TELEPHONE NO. 505-394-2511

(This space for State Use)

APPROVED BY: _____ TITLE: Environmental Engr DATE: 5-20-02

APPROVED BY: _____ TITLE: Environmental Geologist DATE: 6-3-02

2-20090

CERTIFICATE OF WASTE STATUS

NON-EXEMPT WASTE MATERIAL

ORIGINATING LOCATION: Hobbs Fluid/FRAC YARD 418. S Grimes Hobbs, NM

SOURCE: washbay sump

DISPOSAL LOCATION: SUNDANCE SERVICES INC.

As a condition of acceptance for disposal, I hearby 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 no "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has been added or mixed with the waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, Section 261.3.

I, the undersigned as the agent for Key Energy Services, Inc concur with the status of the waste from the subject site.

Name Royce Crowell

Title/Angency Compliance Specialist

Address 2625 W. MARLAND
Hobbs, NM 88241

Signature Royce E Crowell

Date 5/16/02

152868

Page ____ of ____

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

TraceAnalysis, Inc.

4725 Ripley Dr., Ste A
El Paso, Texas 79922-1028
Tel (915) 585-3443
Fax (915) 585-4944
1 (888) 588-3443

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

LAB Order ID # 10020905-04

Company Name: Key Energy Services
Phone #: 505-397-4994

Address: (Street, City, Zip) 418 S. Grimes Hobbs, NM 88240
Fax #: 393-9023

Contact Person: Pete Turner / Jerry Wolz

Invoice to: (If different from above)

Project #:
Project Name: Wash Pit Solids

Project Location: Yard 412
Sampler Signature:

LAB # (LAB USE ONLY)	FIELD CODE	# CONTAINERS	Volume/Amount	MATRIX: WATER	SOIL	AIR	SLUDGE	PRESERVATIVE METHOD: HCL	HNO3	NaHSO4	H2SO4	NaOH	ICE	NONE	SAMPLING: DATE	TIME
52868	Wash Pit Solids	1					✓							X	9/2	1130

MTBE 8021B/802	BTEX 8021B/602	TPH 418.1/TX1005	PAH 8270C	Total Metals Ag As Ba Cd Cr Pb Se Hg 6010B/200.7	TCLP Metals Ag As Ba Cd Cr Pb Se Hg	TCLP Volatiles	TCLP Semi Volatiles	TCLP Pesticides	RCI	CC-MS Vol. 8260B/624	GC/MS Semi. Vol. 8270C/625	PCB's 8082/606	Pesticides 8081A/608	BOD, TSS, pH	Turn Around Time if different from standard
					X	X	X		X						

Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received by:	Date:	Time:
Relinquished by:	Date:	Time:	Received at Laboratory by:	Date:	Time:
				09/04/00	12:00

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

ORIGINAL COPY

LAB USE ONLY

Intact Y / N
Headspace Y / N
Temp 4 °
Log-in Review SH

REMARKS:

Carrier #

KEY-FLUID SERV. 114 Fax:505-393-9023 May 16 '02 16:25 P.01

Sent By: TRACEANALYSIS; 7941298; 15 Sep '00 3:26PM; Job 984; Page 1/10

TRACEANALYSIS, INC.

6701 Aberdeen Avenue, Suite 9 Lubbock, Texas 79424 806•794•1296 806•794•1298 FAX 806•794•1298
4725 Piedras Avenue, Suite A El Paso, Texas 79922 915•585•3443 915•585•4944 FAX 915•585•4944
E-Mail: lab@traceanalysis.com

ANALYTICAL RESULTS FOR
KEY ENERGY SERVICES
Attention: Pete Turner
418 S. Grimes
Hobbs, NM 88240

COPY

September 15, 2000
Receiving Date: 09/04/00
Sample Type: Solid
Project #: N/A
Project Location: Yard 412

Sampling Date: 09/02/00
Sample Condition: I & C
Sample Received by: MS
Project Name: Wash Pit Solids

TA#	FIELD CODE	TCLP As (mg/L)	TCLP Ba (mg/L)	TCLP Cd (mg/L)	TCLP Cr (mg/L)	TCLP Pb (mg/L)	TCLP Se (mg/L)	TCLP Ag (mg/L)	TCLP Hg (mg/L)
	EPA LIMIT =	5.0	100	1.0	5.0	5.0	1.0	5.0	0.20
T152888	Wash Pit Solids	<0.10	1.01	<0.02	<0.05	<0.10	<0.10	<0.05	<0.010
ICV		2.59	5.13	0.51	1.02	2.57	2.65	0.49	0.00484
CCV		2.64	5.16	0.53	1.03	2.63	2.69	0.49	0.00546
REPORTING LIMIT		0.10	0.10	0.02	0.05	0.10	0.10	0.05	0.010
RPD		1	1	1	1	0	1	2	2
% Extraction Accuracy		97	98	102	100	101	87	89	98
% Instrument Accuracy		106	103	106	103	105	108	98	97
EXTRACTION DATE:		09/05/00	09/05/00	09/05/00	09/05/00	09/05/00	09/05/00	09/05/00	09/05/00
ANALYSIS DATE:		09/07/00	09/07/00	09/07/00	09/07/00	09/07/00	09/07/00	09/07/00	09/06/00

METHODS: EPA 846-1311, 6010B, 7470A
CHEMIST: As, Se, Cd, Cr, Pb, Ag, Ba: RR Hg: BP
TCLP METALS SPIKE: 10 mg/L As, Se, Pb; 2.0 mg/L Ag, Cd; 4.0 mg/L Cr; 20 mg/L Ba; Hg SPIKE 0.050 mg/L
TCLP METALS CV: 2.50 mg/L As, Pb, Se; 0.50 mg/L Ag, Cd; 5.0 mg/L Ba, 1.0 mg/L Cr; Hg CV: 0.0050 mg/L

Director, Dr. Blair Leftwich

9-15-00
Date

TRACEANALYSIS, INC.
6701 Aberdeen Avenue, Suite 9 Lubbock, Texas 79424 800•378•1296 806•794•1296 FAX 806•794•1298
7725 Ripley Avenue, Suite A El Paso, Texas 79925 888•588•3443 915•585•3443 FAX 915•585•4944
E-Mail: lab@traceanalysis.com

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Analytical and Quality Control Report

Pete Turner
Key Energy Services
418 S. Grimes
Hobbs, NM 88240

Report Date: September 15, 2000

Order ID Number: A00090506

Project Number: N/A
Project Name: Wash Pit Solids
Project Location: Yard 412

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
152858	Wash Pit Solids	Solid	9/2/00		9/4/00

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.

This report consists of a total of 9 pages and shall not be reproduced except in its entirety, without written approval of TraceAnalysis, Inc.

Dr. Blair Leftwich, Director

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Analytical and Quality Control Report

Sample: 152868 - Wash Pit Solids

Analysis:	Corrosivity	Analytical Method:	S 1110	QC Batch:	QC01913	Date Analyzed:	9/6/00
Analyst:	MS	Preparation Method:	N/A	Prep Batch:	PB04270	Date Prepared:	9/6/00

Param	Flag	Result	Units	Dilution	RDL
Corrosivity		Non	mm/yr	1	
pH		7.43	s.u.	1	

Sample: 152868 - Wash Pit Solids

Analysis:	Ignitability	Analytical Method:	SW-846 Ch. 7.1	QC Batch:	QC04912	Date Analyzed:	9/6/00
Analyst:	MS	Preparation Method:		Prep Batch:	PB04209	Date Prepared:	9/6/00

Param	Flag	Result	Units	Dilution	RDL
Ignitability		non-ignitable		1	

Sample: 152868 - Wash Pit Solids

Analysis:	Reactivity	Analytical Method:	S 7.3	QC Batch:	QC04863	Date Analyzed:	9/6/00
Analyst:	MS	Preparation Method:	N/A	Prep Batch:	PB04228	Date Prepared:	9/6/00

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

Sample: 152868 - Wash Pit Solids

Analysis:	TCLP Semivolatiles	Analytical Method:	E 8270C	QC Batch:	QC04886	Date Analyzed:	9/13/00
Analyst:	MA	Preparation Method:	1311	Prep Batch:	PB04245	Date Prepared:	9/7/00

Param	Flag	Result	Units	Dilution	RDL
Pyridine		<0.05	mg/L	1	0.05
o-Cresol		<0.05	mg/L	1	0.05
m,p-Cresol		<0.05	mg/L	1	0.05
Hexachloroethane		<0.05	mg/L	1	0.05
Nitrobenzene		<0.05	mg/L	1	0.05
Hexachlorobutadiene		<0.05	mg/L	1	0.05
2,4,6-Trichlorophenol		<0.05	mg/L	1	0.05
2,4,5-Trichlorophenol		<0.05	mg/L	1	0.05
2,4 Dinitrotoluene		<0.05	mg/L	1	0.05
2,4-D		<0.05	mg/L	1	0.05
Hexachlorobenzene		<0.05	mg/L	1	0.05
2,4,5-TP		<0.05	mg/L	1	0.05
Pentachlorophenol		<0.05	mg/L	1	0.05

Report Date: September 15, 2000 Order Number: A00000506 Page Number: 3 of 9
N/A Wash Pit Solids Yard 412

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Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
2-Fluorophenol		24.38	mg/L	1	80	30	20 - 67
Phenol-d5		15.25	mg/L	1	80	10	7 - 55
Nitrobenzene-d5		67.11	mg/L	1	80	83	33 - 116
2-Fluorobiphenyl		64.37	mg/L	1	80	80	47 - 107
2,4,6-Tribromophenol		65.68	mg/L	1	80	82	47 - 113
Terphenyl-d14		64.08	mg/L	1	80	80	47 - 124

Sample: 152868 - Wash Pit Solids

Analysis: TCLP Volatiles Analytical Method: S 8260B QC Batch: QC04903 Date Analyzed: 9/12/00
Analyst: JG Preparation Method: 1311 Prep Batch: PB04262 Date Prepared: 9/11/00

Param	Flag	Result	Units	Dilution	RDL
Vinyl Chloride		<0.100	mg/L	50	0.002
1,1-Dichloroethene		<0.100	mg/L	50	0.002
Methyl ethyl ketone		<0.500	mg/L	50	0.01
Chloroform		<0.100	mg/L	50	0.002
1,2-Dichloroethane (EDC)		<0.100	mg/L	50	0.002
Benzene		<0.100	mg/L	50	0.002
Carbon Tetrachloride		<0.100	mg/L	50	0.002
Trichloroethene (TCE)		<0.100	mg/L	50	0.002
Tetrachloroethene (PCE)		<0.100	mg/L	50	0.002
Chlorobenzene		<0.100	mg/L	50	0.002
1,4-Dichlorobenzene		<0.100	mg/L	50	0.002

Surrogate	Flag	Result	Units	Dilution	Spike Amount	Percent Recovery	Recovery Limits
Dibromofluoromethane		51	mg/L	1	50	102	80 - 120
Toluene-d8		49.50	mg/L	1	50	99	80 - 120
4-Bromofluorobenzene		47	mg/L	1	50	94	80 - 120

Quality Control Report
Method Blank

Sample: Method Blank QCBatch: QC04886

Param	Flag	Results	Units	Reporting Limit
Pyridine		<0.05	mg/L	0.05
o-Cresol		<0.05	mg/L	0.05
m,p-Cresol		<0.05	mg/L	0.05
Hexachloroethane		<0.05	mg/L	0.05
Nitrobenzene		<0.05	mg/L	0.05
Hexachlorobutadiene		<0.05	mg/L	0.05
2,4,6-Trichlorophenol		<0.05	mg/L	0.05

Continued ...

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Continued

Param	Flag	Results	Units	Reporting Limit
2,4,5-Trichlorophenol		<0.05	mg/L	0.05
2,4-Dinitrotoluene		<0.05	mg/L	0.05
2,4-D		<0.05	mg/L	0.05
Hexachlorobenzene		<0.05	mg/L	0.05
2,4,5-TP		<0.05	mg/L	0.05
Pentachlorophenol		<0.05	mg/L	0.05

Surrogate	Flag	Result	Units	Spike Amount	Percent Recovery	Recovery Limit
2-Fluorophenol		20.26	mg/L	80	25	20 - 67
Phenol-d6		12.56	mg/L	80	15	7 - 55
Nitrobenzene-d5		55.37	mg/L	80	69	33 - 118
2-Fluorobiphenyl		53.12	mg/L	80	66	47 - 107
2,4,6-Tribromophenol		52.50	mg/L	80	65	47 - 113
Terphenyl-d14		68.18	mg/L	80	85	47 - 121

Sample: Method Blank QCBatch: QC04903

Param	Flag	Results	Units	Reporting Limit
Vinyl Chloride		<0.10	mg/L	0.002
1,1-Dichloroethene		<0.10	mg/L	0.002
Methyl ethyl ketone		<0.50	mg/L	0.01
Chloroform		<0.10	mg/L	0.002
1,2-Dichloroethane (EDC)		<0.10	mg/L	0.002
Benzene		<0.10	mg/L	0.002
Carbon Tetrachloride		<0.10	mg/L	0.002
Trichloroethene (TCE)		<0.10	mg/L	0.002
Tetrachloroethene (PCE)		<0.10	mg/L	0.002
Chlorobenzene		<0.10	mg/L	0.002
1,4-Dichlorobenzene		<0.10	mg/L	0.002

Surrogate	Flag	Result	Units	Spike Amount	Percent Recovery	Recovery Limit
Dibromofluoromethane		49	mg/L	50	98	80 - 120
Toluene-d8		48.50	mg/L	50	97	80 - 120
4-Bromofluorobenzene		47.50	mg/L	50	95	80 - 120

Quality Control Report
Lab Control Spikes and Duplicate Spikes

Sample: LCS QC Batch: QC04886

Report Date: September 15, 2000 Order Number: A000905O6 Page Number: 6 of 9
N/A Wash Pit Solids Yard 412

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Param	Flag	Sample Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec.	RPD	% Rec. Limit	RPD Limit
Pyridine		20.72	mg/L	1	80	<0.05	26		0 - 92	20
o-Cresol		36.47	mg/L	1	80	<0.05	45		41 - 92	20
m,p-Cresol		66.39	mg/L	1	160	<0.05	41		7 - 127	20
Hexachloroethane		65.77	mg/L	1	80	<0.05	82		36 - 86	20
Nitrobenzene		67.84	mg/L	1	80	<0.05	84		48 - 108	20
Hexachlorobutadiene		66.22	mg/L	1	80	<0.05	82		38 - 89	20
2,4,6-Trichlorophenol		58.37	mg/L	1	80	<0.05	72		47 - 107	20
2,4,5-Trichlorophenol		62.76	mg/L	1	80	<0.05	78		49 - 105	20
2,4-Dinitrotoluene		74.20	mg/L	1	80	<0.05	92		49 - 105	20
2,4-D		85.80	mg/L	1	80	<0.05	107		0 - 127	20
Hexachlorobenzene		72.76	mg/L	1	80	<0.05	90		47 - 122	20
2,4,6-TP		81.62	mg/L	1	80	<0.05	102		0 - 130	20
Pentachlorophenol		57.67	mg/L	1	80	<0.05	72		33 - 99	20

Surrogate	Flag	Result	Units	Dil.	Spike Amount	% Rec.	% Rec. Limit
2-Fluorophenol		22.17	mg/L	1	80	27	20 - 67
Phenol-d6		14.13	mg/L	1	80	17	7 - 55
Nitrobenzene-d5		65.41	mg/L	1	80	81	33 - 116
2-Fluorobiphenyl		66.33	mg/L	1	80	82	47 - 107
2,4,6-Tribromophenol		87.02	mg/L	1	80	83	47 - 113
Terphenyl-d14		64.78	mg/L	1	80	80	47 - 124

Sample: LCSD

QC Batch: QC04885

Param	Flag	Sample Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec.	RPD	% Rec. Limit	RPD Limit
Pyridine		22.87	mg/L	1	80	<0.05	28	10	0 - 92	20
o-Cresol		35.68	mg/L	1	80	<0.05	44	2	41 - 92	20
m,p-Cresol		63.41	mg/L	1	160	<0.05	39	4	7 - 127	20
Hexachloroethane		64.15	mg/L	1	80	<0.05	80	2	36 - 86	20
Nitrobenzene		65.99	mg/L	1	80	<0.05	82	3	48 - 108	20
Hexachlorobutadiene		65.73	mg/L	1	80	<0.05	82	1	38 - 89	20
2,4,6-Trichlorophenol		55.04	mg/L	1	80	<0.05	69	4	47 - 107	20
2,4,5-Trichlorophenol		60.44	mg/L	1	80	<0.05	75	4	49 - 105	20
2,4-Dinitrotoluene		70.52	mg/L	1	80	<0.05	88	5	49 - 105	20
2,4-D		80.43	mg/L	1	80	<0.05	100	6	0 - 127	20
Hexachlorobenzene		71.37	mg/L	1	80	<0.05	89	2	47 - 122	20
2,4,6-TP		85.40	mg/L	1	80	<0.05	106	4	0 - 130	20
Pentachlorophenol		54.41	mg/L	1	80	<0.05	68	6	33 - 99	20

Surrogate	Flag	Result	Units	Dil.	Spike Amount	% Rec.	% Rec Limit
2-Fluorophenol		23.37	mg/L	1	80	29	20 - 67
Phenol-d6		15.10	mg/L	1	80	18	7 - 55

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Surrogate	Flag	Result	Units	Dil.	Spike Amount	% Rec	% Rec. Limit
Nitrobenzene-d5		64.37	mg/L	1	80	80	33 - 116
2-Fluorobiphenyl		61.85	mg/L	1	80	77	47 - 107
2,4,6-Tribromophenol		62.46	mg/L	1	80	78	47 - 113
Terphenyl-d14		65.48	mg/L	1	80	81	47 - 124

Sample: LCS QC Batch: QC04903

Param	Flag	Sample Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec.	RPD	% Rec. Limit	RPD Limit
Vinyl Chloride		7.17	mg/L	1	5	<0.10	143		80 - 120	20
1,1-Dichloroethene		6.59	mg/L	1	5	<0.10	131		80 - 120	20
Methyl ethyl ketone		4.32	mg/L	1	5	<0.50	86		80 - 120	20
Chloroform		5.01	mg/L	1	5	<0.10	100		80 - 120	20
1,2-Dichloroethane (EDC)		4.79	mg/L	1	5	<0.10	95		80 - 120	20
Benzene		5.40	mg/L	1	5	<0.10	108		80 - 120	20
Carbon Tetrachloride		5.52	mg/L	1	5	<0.10	110		80 - 120	20
Trichloroethene (TCE)		5.31	mg/L	1	5	<0.10	106		80 - 120	20
Tetrachloroethene (PCE)		5.56	mg/L	1	5	<0.10	111		80 - 120	20
Chlorobenzene		5.64	mg/L	1	5	<0.10	112		80 - 120	20
1,4-Dichlorobenzene		5.12	mg/L	1	5	<0.10	102		80 - 120	20

Surrogate	Flag	Result	Units	Dil.	Spike Amount	% Rec.	% Rec. Limit
Dibromofluoromethane		50.5	mg/L	1	50	101	80 - 120
Toluene-d8		49	mg/L	1	50	98	80 - 120
4-Bromofluorobenzene		46.5	mg/L	1	50	93	80 - 120

Sample: LCSD QC Batch: QC04903

Param	Flag	Sample Result	Units	Dil	Spike Amount Added	Matrix Result	% Rec.	RPD	% Rec. Limit	RPD Limit
Vinyl Chloride		6.93	mg/L	1	5	<0.10	138	3	80 - 120	20
1,1-Dichloroethene		6.44	mg/L	1	5	<0.10	128	2	80 - 120	20
Methyl ethyl ketone		4.64	mg/L	1	5	<0.50	90	5	80 - 120	20
Chloroform		5.13	mg/L	1	5	<0.10	102	2	80 - 120	20
1,2-Dichloroethane (EDC)		4.81	mg/L	1	5	<0.10	96	0	80 - 120	20
Benzene		5.39	mg/L	1	5	<0.10	107	0	80 - 120	20
Carbon Tetrachloride		5.63	mg/L	1	5	<0.10	112	2	80 - 120	20
Trichloroethene (TCE)		5.38	mg/L	1	5	<0.10	107	1	80 - 120	20
Tetrachloroethene (PCE)		5.51	mg/L	1	5	<0.10	110	0	80 - 120	20
Chlorobenzene		5.63	mg/L	1	5	<0.10	112	0	80 - 120	20
1,4-Dichlorobenzene		5.12	mg/L	1	5	<0.10	102	0	80 - 120	20

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Surrogate	Flag	Result	Units	Dil.	Spike Amount	% Rec.	% Rec Limit
Dibromofluoromethane		51	mg/L	1	50	102	80 - 120
Toluene-d8		49	mg/L	1	50	98	80 - 120
4-Bromofluorobenzene		48	mg/L	1	50	96	80 - 120

Quality Control Report
Matrix Spikes and Duplicate Spikes

Sample: MS QC Batch: QC04903

Param	Flag	Sample Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec.	RPD	% Rec. Limit	RPD Limit
Vinyl Chloride		6.22	mg/L	1	5	<0.100	124		80 - 120	20
1,1-Dichloroethene		6.41	mg/L	1	5	<0.100	128		80 - 120	20
Methyl ethyl ketone		4.91	mg/L	1	5	<0.500	98		80 - 120	20
Chloroform		5.20	mg/L	1	5	<0.100	104		80 - 120	20
1,2-Dichloroethane (EDC)		5.00	mg/L	1	5	<0.100	100		80 - 120	20
Benzene		5.24	mg/L	1	5	<0.100	104		80 - 120	20
Carbon Tetrachloride		5.67	mg/L	1	5	<0.100	113		80 - 120	20
Trichloroethene (TCE)		5.41	mg/L	1	5	<0.100	108		80 - 120	20
Tetrachloroethene (PCE)		5.59	mg/L	1	5	<0.100	111		80 - 120	20
Chlorobenzene		5.59	mg/L	1	5	<0.100	111		80 - 120	20
1,4-Dichlorobenzene		5.19	mg/L	1	5	<0.100	103		80 - 120	20

Surrogate	Flag	Result	Units	Dil	Spike Amount	% Rec.	% Rec Limit
Dibromofluoromethane		50.5	mg/L	1	50	101	80 - 120
Toluene-d8		49.5	mg/L	1	50	99	80 - 120
4-Bromofluorobenzene		48.5	mg/L	1	50	97	80 - 120

Sample: MSD QC Batch: QC04903

Param	Flag	Sample Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec.	RPD	% Rec. Limit	RPD Limit
Vinyl Chloride		6.07	mg/L	1	5	<0.100	121	2	80 - 120	20
1,1-Dichloroethene		6.34	mg/L	1	5	<0.100	126	1	80 - 120	20
Methyl ethyl ketone		4.63	mg/L	1	5	<0.500	92	6	80 - 120	20
Chloroform		5.15	mg/L	1	5	<0.100	103	1	80 - 120	20
1,2-Dichloroethane (EDC)		4.93	mg/L	1	5	<0.100	98	1	80 - 120	20
Benzene		5.26	mg/L	1	5	<0.100	105	0	80 - 120	20
Carbon Tetrachloride		5.66	mg/L	1	5	<0.100	113	0	80 - 120	20
Trichloroethene (TCE)		5.41	mg/L	1	5	<0.100	108	0	80 - 120	20
Tetrachloroethene (PCE)		5.58	mg/L	1	5	<0.100	111	0	80 - 120	20

Continued ...

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Param	Flag	Sample Result	Units	Dil.	Spike Amount Added	Matrix Result	% Rec.	RPD	% Rec. Limit	RPD Limit
Chlorobenzene		5.59	mg/L	1	5	<0.100	111	0	80 - 120	20
1,4-Dichlorobenzene		5.30	mg/L	1	5	<0.100	106	2	80 - 120	20

Surrogate	Flag	Result	Units	Dil.	Spike Amount	% Rec.	% Rec. Limit
Dibromofluoromethane		50	mg/L	1	50	100	80 - 120
Toluene-d8		49.5	mg/L	1	50	99	80 - 120
4-Bromofluorobenzene		48	mg/L	1	50	96	80 - 120

Quality Control Report
Duplicate Samples

Sample: Duplicate QC Batch: QC04912

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

Quality Control Report
Continuing Calibration Verification Standards

Sample: CCV (1) QC Batch: QC04886

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Pyridine		mg/L	60	59.58	99	0 - 92	9/13/00
1,4-Dichlorobenzene		mg/L	60	59.58	99	39 - 87	9/13/00
o-Cresol		mg/L	60	63.42	105	41 - 92	9/13/00
m,p-Cresol		mg/L	60	64.79	107	7 - 127	9/13/00
Hexachloroethane		mg/L	60	61.42	102	35 - 85	9/13/00
Nitrobenzene		mg/L	60	62.21	103	43 - 108	9/13/00
Hexachlorobutadiene		mg/L	60	59.56	99	38 - 89	9/13/00
2,4,6-Trichlorophenol		mg/L	60	62.56	104	47 - 107	9/13/00
2,4,5-Trichlorophenol		mg/L	60	64.32	107	49 - 105	9/13/00
2,4-Dinitrotoluene		mg/L	60	62.77	104	49 - 105	9/13/00
2,4-D		mg/L	60	58.34	97	0 - 127	9/13/00
Hexachlorobenzene		mg/L	60	61.79	102	47 - 122	9/13/00
2,4,5-TP		mg/L	60	62.88	104	0 - 130	9/13/00

Continued ...

Report Date: September 15, 2000 Order Number: A00000506 Page Number: 9 of 9
N/A Wash Pit Solids Yard 412

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(continued)

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Pentachlorophenol		mg/L	60	62.13	103	33 - 99	9/13/00
2-Fluorophenol		mg/L	60	61.92	103	20 - 87	9/13/00
Phenol-d5		mg/L	60	62.64	104	7 - 55	9/13/00
Nitrobenzene-d5		mg/L	60	62.44	104	33 - 116	9/13/00
2-Fluorobiphenyl		mg/L	60	59.57	99	47 - 107	9/13/00
2,4,6-Tribromophenol		mg/L	60	63.60	105	47 - 113	9/13/00
Terphenyl-d14		mg/L	60	66.74	111	47 - 124	9/13/00

Sample: CCV (1) QC Batch: QC04003

Param	Flag	Units	CCVs True Conc.	CCVs Found Conc.	CCVs Percent Recovery	Percent Recovery Limits	Date Analyzed
Vinyl Chloride		mg/L	100	119	119	80 - 120	9/12/00
1,1-Dichloroethene		mg/L	100	115	115	80 - 120	9/12/00
Methyl ethyl ketone		mg/L	100	83	83	80 - 120	9/12/00
Chloroform		mg/L	100	100	100	80 - 120	9/12/00
1,2-Dichloroethane (EDC)		mg/L	100	97	97	80 - 120	9/12/00
Benzene		mg/L	100	104	104	80 - 120	9/12/00
Carbon Tetrachloride		mg/L	100	103	103	80 - 120	9/12/00
Trichloroethene (TCE)		mg/L	100	102	102	80 - 120	9/12/00
Tetrachloroethene (PCE)		mg/L	100	108	108	80 - 120	9/12/00
Chlorobenzene		mg/L	100	112	112	80 - 120	9/12/00
1,4 Dichlorobenzene		mg/L	100	99	99	80 - 120	9/12/00
Dibromofluoromethane		mg/L	50	51.6	103	80 - 120	9/12/00
Toluene-d8		mg/L	50	49.5	99	80 - 120	9/12/00
4-Bromofluorobenzene		mg/L	50	50	100	80 - 120	9/12/00

District II · (505) 748-1283
811 S. First
Artesia, NM 88210
District III · (505) 334-6178
1000 Rio Brazos Road
Aztec, NM 87410
District IV · (505) 827-7131

Energy Minerals and Natural Resources Department
Oil Conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

RECEIVED
JUN 0 3 2002
Environmental Bureau
Oil Conservation Division

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☒	4. Generator Conoco Inc.
Verbal Approval Received: Yes ☐ No ☐	5. Originating Site Apex
2. Management Facility Destination SUNDANCE SERVICES INC.	6. Transporter Key
3. Address of Facility Operator P.O. BOX 1737 Eunice NM 88231	8. State NEW MEXICO
7. Location of Material (Street Address or ULSTR) Sec 36	T17S R36E

9. Circle One:

A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste fr Generator; one certificate per job.

(B.) All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical ana PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazarc listing or testing will be approved.

All transporters must certify the wastes delivered are only those consigned for transport.

BRIEF DESCRIPTION OF MATERIAL:

Attached are analytical results for compressor station for Conoco Inc. I have included a chain of custody and certificate of waste status. Sundance would like approval to accept this material into our Parabo Facility.

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

SIGNATURE: Donna Roach TITLE: OFFICE MGR DATE: 5-20-0
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: DONNA L. ROACH TELEPHONE NO. 505-394-2511

(This space for State Use)

APPROVED BY: _____ TITLE: Environmental Engr DATE: 5-23-02

APPROVED BY: _____ TITLE: Environmental Geologist DATE: 6-3-02

1

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

COMPANY /GENERATOR CONOCO INC. (CG&P)

ADDRESS 921 W.SANGER HOBBS,NM 88240

GENERATING SITE APEX Comp Station

GENERATING PROCESS ENGINE /COMPRESSOR OPERATION

REMARKS

NMOCD FACILITY SUNDANCE SERVICES INC.

TRUCKING COMPANY HUGHES TRKING / STEVE CARTER TRKING/ KEY SERVICES

As a condition of acceptance for disposal, I hereby certify that his waste is a non-exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory determinations. 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 Mark Bishop
SIGNATURE

NAME MARK BISHOP
PRINTED

ADDRESS 921 W. SANGER

HOBBS, NM 88240

DATE 2-14-02

PAGE 01
CARDINAL LAB ABILENE
9156737628
15:05

CARDINAL LABORATORIES, INC.

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

2111 Beechwood, Abilene, TX 79603 (915) 673-7001 Fax (915) 673-7020
101 East Marland, Hobbs, NM 88240 (505) 393-2326 Fax (505) 393-2476

Page ____ of ____

Company Name:	Conoco Inc	BILL TO	
Project Manager:	Mark Bishop	P.O. #:	
Address:	921 W Sanger	Company:	
City:	Hobbs State: NM Zip: 88240	Attn:	
Phone #:	391-1956 Fax #:	Address:	
Project #:	Project Owner:	City:	
Project Name:	Apex Oily waste Wtr Non Exempt	State: Zip:	
Project Location:	Apex compressor Station	Phone #:	
Sampler Name:		Fax #:	

ANALYSIS REQUEST: TCLP

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE:	ICE / COOL	OTHER:	SAMPLING: DATE	TIME
H16659-1					✓								4/19/02	

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Terms and Conditions: Interest will be charged on all accounts more than 30 days past due at the rate of 24% per annum from the original dated of invoice, and all costs of collections, including attorney's fees.

Sampler Relinquished: Mark Bishop	Date: 4 14 02	Received By:	Phone Result: ☐ Yes ☐ No
Relinquished By:	Time: 4:00 PM	Received By: (Lab Staff) Amy Hill	Fax Result: ☐ Yes ☐ No
	Date:		REMARKS: Check for Pb 1st
	Time:		
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Sample Condition: Temp. °C / Intact? ☐ Yes ☐ No	Checked By: (Initials)	

† Cardinal cannot accept verbal changes. Please fax written changes to (505) 393-2476.

CARDINAL LABORATORIES

PHONE (915) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603
PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
CONOCO, INC.
ATTN: MARK BISHOP
921 W. SANGER
HOBBS, NM 88240
FAX TO:

Receiving Date: 04/19/02
Reporting Date: 04/27/02
Project Number: NOT GIVEN
Project Name: APEX OILY WASTEWATER NON-EXEMPT
Project Location: APEX COMPRESSOR STATION

Sampling Date: 04/19/02
Sample Type: WASTEWATER
Sample Condition: COOL & INTACT
Sample Received By: AH
Analyzed By: AH/BC

LAB NO.	SAMPLE ID	REACTIVITY Sulfide (ppm)	REACTIVITY Cyanide (ppm)	CORROSIVITY (pH)	IGNITABILITY (°F)
ANALYSIS DATE:		04/25/02	04/25/02	04/23/02	04/27/02
H6689-1	-	Not reactive	Not reactive	4.94	>140
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, 1010, 1311, *40 CFR 261*

Chemist

4/27/02
Date

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ANALYTICAL RESULTS FOR
CONOCO, INC.
ATTN: MARK BISHOP
921 W. SANGER
HOBBS, NM 88240
FAX TO:

Receiving Date: 04/19/02
Reporting Date: 04/24/02
Project Number: NOT GIVEN
Project Name: APEX OILY WASTEWATER NON-EXEMPT
Project Location: APEX COMPRESSOR STATION
Lab Number: H6689-1
Sample ID: -

Analysis Date: 04/23/02
Sampling Date: 04/19/02
Sample Type: WASTEWATER
Sample Condition: COOL & INTACT
Sample Received By: AH
Analyzed By: BC

TCLP VOLATILES (ppm)	EPA LIMIT	Sample Result H6689-1	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	1.13	<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	<0.005	<0.005	0.098	98	0.100

	% RECOVERY
Dibromofluoromethane	91
Toluene-d8	115
Bromofluorobenzene	99

METHODS: EPA SW 846-8260, 1311

Burgess J.A. Cooke, Ph. D.

4/25/02
Date

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ANALYTICAL RESULTS FOR
CONOCO, INC.
ATTN: MARK BISHOP
921 W. SANGER
HOBBS, NM 88240
FAX TO:

Receiving Date: 04/19/02
Reporting Date: 04/26/02
Project Number: NOT GIVEN
Project Name: APEX OILY WASTEWATER NON-EXEMPT
Project Location: APEX COMPRESSOR STATION
Lab Number: H6689-1
Sample ID: -

Extraction Date: 04/24/02
Analysis Date: 04/25/02
Sampling Date: 04/19/02
Sample Type: WASTEWATER
Sample Condition: COOL & INTACT
Sample Received By: AH
Analyzed By: BC

TCLP SEMIVOLATILES (ppm)	EPA LIMIT	Sample Result H6689-1	Method Blank	QC	% Recov.	True Value QC
Pyridine	5.00	<0.050	<0.005	0.021	42	0.050
1,4-Dichlorobenzene	7.50	<0.050	<0.005	0.040	80	0.050
o-Cresol	200	<0.050	<0.005	0.040	80	0.050
m, p-Cresol	200	<0.050	<0.005	0.037	74	0.050
Hexachloroethane	3.00	<0.050	<0.005	0.039	78	0.050
Nitrobenzene	2.00	<0.050	<0.005	0.048	96	0.050
Hexachloro-1,3-butadiene	0.500	<0.050	<0.005	0.048	96	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	0.055	110	0.050
2,4-Dinitrotoluene	0.130	<0.050	<0.005	0.055	110	0.050
Hexachlorobenzene	0.130	<0.050	<0.005	0.054	108	0.050
Pentachlorophenol	100	<0.050	<0.005	0.054	108	0.050

	% RECOVERY
Fluorophenol	72
Phenol-d5	56
Nitrobenzene-d5	76
2-Fluorobiphenyl	61
2,4,6-Tribromophenol	106
Terphenyl-d14	80

METHODS: EPA SW-846 1311, 8270, 3510

Burgess J. A. Cooke, Ph. D.

4/26/02
Date

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PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
CONOCO, INC.
ATTN: MARK BISHOP
921 W. SANGER
HOBBS, NM 88240
FAX TO:

Receiving Date: 04/19/02
Reporting Date: 04/25/02
Project Number: NOT GIVEN
Project Name: APEX OILY WASTEWATER NON-EXEMPT
Project Location: APEX COMPRESSOR STATION

Sampling Date: 04/19/02
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:		04/25/02	04/25/02	04/25/02	04/25/02	04/25/02	04/25/02	04/25/02	04/25/02
EPA LIMITS:		5	5	100	1	5	5	0.2	1
H6689-1	OILY WATER	<1	<1	<5	<0.3	<1	<1	<0.02	<0.1
Quality Control		0.054	4.991	24.70	1.014	4.892	5.019	0.00601	0.055
True Value QC		0.050	5.000	25.00	1.000	5.000	5.000	0.00600	0.050
% Recovery		108	99.8	98.8	101	97.8	102	100	110
Relative Standard Deviation		4.2	0.5	1.8	0.6	0.5	0.4	0.2	2.4
METHODS: EPA 1311, 600/4-91,		206.2	272.1	208.1	213.1	218.1	239.1	245.1	270.2

Chemist

4-25-02
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.

Hobbs, NM 88241-1980
District II - (505) 748-1283
811 S. First
Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Road
Aztec, NM 87410
District IV - (505) 827-7131

Energy Minerals and Natural Resources Department
Oil Conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

RECEIVED
MAY 20 2002
Environmental Bureau
Oil Conservation Division

Form C-1
Originated 8/8

Submit Orig
Plus 1 C
to appropr
District Of

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☒	4. Generator Electric Submersib PUMP
Verbal Approval Received: Yes ☐ No ☐	5. Originating Site Hobbs Yard
2. Management Facility Destination SUNDANCE SERVICES INC.	6. Transporter unknown
3. Address of Facility Operator P.O. BOX 1737 Eunice NM 88231	8. State NEW MEXICO
7. Location of Material (Street Address or ULSTR) 8426 N. Dal Paso Hobbs, NM 88241	

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:

The following analytical results are from Electric Submersible Pump's Hobbs facility. This waste is generated by the washing off of oil field rental tools. All equipment is washed into the sump and pumped to a waste water tank outside the building in a bermed area. I have attached a certificate of waste and chain of custody. Sundance would like approval to accept this material into our Parabo facility.

Estimated Volume 240 bbls. cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE: Donna L. Roach Waste Management Facility Authorized Agent TITLE: OFFICE MGR DATE: 5-9-02

TYPE OR PRINT NAME: DONNA L. ROACH TELEPHONE NO. 505-394-2511

(This space for State Use)

APPROVED BY: _____ TITLE: Environmental Engr DATE: 5-17-02

APPROVED BY: _____ TITLE: Environmental Geologist DATE: 5-21-02

CERTIFICATE OF WASTE STATUS

NON-EXEMPT WASTE MATERIAL

ORIGINATING LOCATION: ESP 8426 N DAL PASO HOBBS NM 88240

SOURCE: OILFIELD RINSATE

DISPOSAL LOCATION: SUNDANCE SERVICES, PARABO FACILITY, P.O. BOX 1737 EUNICE NM 88231

As a condition of acceptance for disposal, I hearby 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 no "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has been added or mixed with the waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, Section 261.3.

I, the undersigned as the agent for ESP concur with the status of the waste from the subject site.

Name Ronny Hinds

Title/Agency ESP

Address 8426 N DAL PASO
HOBBS NM 88240

Signature Ronny Hinds

Date 5-9-02

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

CARDINAL LABORATORIES, INC.

2111 Beechwood, Abilene, TX 79603 (915) 673-7001 Fax (915) 673-7020

101 East Marland, Hobbs, NM 88240 (505) 393-2326 Fax (505) 393-2476

Page ____ of ____

Company Name: Wood Group ESP	BILL TO
Project Manager: Rodrigo Burruel	P.O. #: 9904
Address: 8426 N. Dal Paso	Company:
City: Hobbs State: N.M. Zip: 88240	Attn:
Phone #: (505) 392-7999 Fax #: (505) 392-8190	Address:
Project #: Project Owner:	City:
Project Name:	State: Zip:
Project Location:	Phone #:
Sampler Name:	Fax #:

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER:	PRESERV: ACID/BASE:	ICE / COOL	OTHER:	SAMPLING: DATE	TIME	ANALYSIS REQUEST: TCLP
H6126-1	Test Water				X								9/14/01		X

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 the client for the 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 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.

Terms and Conditions: Interest will be charged on all accounts more than 30 days past due at the rate of 24% per annum from the original date of invoice, and all costs of collection, including attorney's fees.

Sampler Relinquished: Rodrigo Burruel	Date:	Received By:	Phone Result: ☐ Yes ☐ No Add'l Phone #:
	Time:		Fax Result: ☐ Yes ☐ No Add'l Fax #:
Relinquished By:	Date: 9/14/01 Time: 9:60	Received By: (Lab Staff)	REMARKS:
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Sample Condition: Cool ☒ Yes ☐ No Intact ☒ Yes ☐ No	CHECKED BY: (Initials)

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476.

CARDINAL LABORATORIES

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PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
WOOD GROUP ESP
ATTN: RODRIGO BURROLA
8426 N. DAL PASO
HOBBS, NM 88240
FAX TO: (505) 392-8190

Receiving Date: 09/04/01
Reporting Date: 09/05/01
Project Number: NOT GIVEN
Project Name: NOT GIVEN
Project Location: NOT GIVEN
Lab Number: H6128-1
Sample ID: TEST WATER

Analysis Date: 09/04/01
Sampling Date: 09/04/01
Sample Type: WASTEWATER
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: BC

TCLP VOLATILES (ppm)	EPA LIMIT	Sample Result H6128-1	Method Blank	QC	%Recov.	True Value QC
Vinyl Chloride	0.20	<0.005	<0.005	0.106	106	0.100
1,1-Dichloroethylene	0.7	<0.005	<0.005	0.092	92	0.100
Methyl Ethyl Ketone	200	<0.050	<0.050	0.115	115	0.100
Chloroform	6.0	<0.005	<0.005	0.091	91	0.100
1,2-Dichloroethane	0.5	<0.005	<0.005	0.088	88	0.100
Benzene	0.5	0.011	<0.005	0.096	96	0.100
Carbon Tetrachloride	0.5	<0.005	<0.005	0.090	90	0.100
Trichloroethylene	0.5	0.104	<0.005	0.098	98	0.100
Tetrachloroethylene	0.7	<0.005	<0.005	0.084	84	0.100
Chlorobenzene	100	<0.005	<0.005	0.096	96	0.100
1,4-Dichlorobenzene	7.5	<0.005	<0.005	0.089	89	0.100

	% RECOVERY
Dibromofluoromethane	103
Toluene-d8	111
Bromofluorobenzene	108

METHODS: EPA SW 846-8260, 1311

Burgess J. A. Cooke, Ph. D.

9/5/01
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.

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ANALYTICAL RESULTS FOR
WOOD GROUP ESP
ATTN: RODRIGO BURROLA
8426 N. DAL PASO
HOBBS, NM 88240
FAX TO: (505) 392-8190

Receiving Date: 09/04/01
Reporting Date: 09/11/01
Project Number: NOT GIVEN
Project Name: NOT GIVEN
Project Location: NOT GIVEN
Lab Number: H6128-1
Sample ID: TEST WATER

Extraction Date: 09/04/01
Analysis Date: 09/10/01
Sampling Date: 09/04/01
Sample Type: WASTEWATER
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: BC

TCLP SEMIVOLATILES (ppm)	EPA LIMIT	Sample Result H6128-1	Method Blank	QC	% Recov.	True Value QC
Pyridine	5.00	<0.020	<0.005	0.006	12	0.050
1,4-Dichlorobenzene	7.50	<0.020	<0.005	0.028	56	0.050
o-Cresol	200	<0.020	<0.005	0.036	72	0.050
m, p-Cresol	200	<0.020	<0.005	0.036	72	0.050
Hexachloroethane	3.00	<0.020	<0.005	0.024	48	0.050
Nitrobenzene	2.00	<0.020	<0.005	0.044	88	0.050
Hexachloro-1,3-butadiene	0.500	<0.020	<0.005	0.029	58	0.050
2,4,6-Trichlorophenol	2.00	<0.020	<0.005	0.043	86	0.050
2,4,5-Trichlorophenol	400	<0.020	<0.005	0.042	84	0.050
2,4-Dinitrotoluene	0.130	<0.020	<0.005	0.046	92	0.050
Hexachlorobenzene	0.130	<0.020	<0.005	0.047	94	0.050
Pentachlorophenol	100	<0.020	<0.005	0.051	102	0.050

	% RECOVERY
Fluorophenol	38
Phenol-d5	24
Nitrobenzene-d5	75
2-Fluorobiphenyl	59
2,4,6-Tribromophenol	39
Terphenyl-d14	75

METHODS: EPA SW 846-8270, 1311, 3510

Burgess J.A. Cooke, Ph. D.

9/11/01
Date

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PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
WOOD GROUP ESP
ATTN: RODRIGO BURROLA
8426 N. DAL PASO
HOBBS, NM 88240
FAX TO: (505) 392-8190

Receiving Date: 09/04/01
Reporting Date: 09/07/1
Project Number: NOT GIVEN
Project Name: NOT GIVEN
Project Location: NOT GIVEN

Sampling Date: 09/04/01
Sample Type: WASTEWATER
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:	09/05/01	09/05/01	09/05/01	09/06/01
H6128-1	Not reactive	Not reactive	7.17	>140
Quality Control	NR	NR	6.94	NR
True Value QC	NR	NR	7.00	NR
% Recovery	NR	NR	99.1	NR
Relative Percent Difference	NR	NR	0.7	NR

METHOD: EPA SW 846-7.3, 7.2, 1010, 1311, *40 CFR 261*

Chemist

9/7/01
Date

H6128.XLS

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PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
WOOD GROUP ESP
ATTN: RODRIGO BURROLA
8426 N. DAL PASO
HOBBS, NM 88240
FAX TO: (505) 392-8190

Receiving Date: 09/04/01
Reporting Date: 09/07/01
Project Number: NOT GIVEN
Project Name: NOT GIVEN
Project Location: NOT GIVEN

Sampling Date: 09/04/01
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:		09/06/01	09/07/01	09/07/01	09/07/01	09/07/01	09/07/01	09/07/01	09/06/01
EPA LIMITS:		5	5	100	1	5	5	0.2	1
H6128-1	TEST WATER	<1	<1	<5	<0.1	<1	<1	<0.02	<0.1
Quality Control		0.048	4.530	21.90	0.994	4.878	5.062	0.0107	0.199
True Value QC		0.050	5.000	25.00	1.000	5.000	5.000	0.0100	0.200
% Recovery		96.0	90.6	87.6	99.4	97.6	101	107	99.5
Relative Standard Deviation		2.2	0.2	1.4	0.7	0.9	1.4	6.5	2.2
METHODS: EPA 1311, 600/4-79-		206.2	272.1	208.1	213.1	218.1	239.1	245.1	270.2

Amy Hill
Chemist

9-7-01
Date

H6128M.XLS

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District III - (505) 334-6178
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Aztec, NM 87410
District IV - (505) 827-7131

Energy Minerals and Natural Resources Department
Oil Conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

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MAY 13 2002
Environmental Bureau
Oil Conservation Division

Originated

Submit O
Plus 1
to appr
District

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☒	4. Generator HALLIBURTON
Verbal Approval Received: Yes ☐ No ☐	5. Originating Site HOBBS FACIL
2. Management Facility Destination SUNDANCE SERVICES INC.	6. Transporter CHAPARRAL
3. Address of Facility Operator P.O. BOX 1737 Eunice NM 88231	8. State NEW MEXICO
7. Location of Material (Street Address or ULSTR) 5801 Lovinton HWy Hobbs, NM 88240	

9. Circle One:

A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from th Generator; one certificate per job.

(B.) All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis t PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous b listing or testing will be approved.

All transporters must certify the wastes delivered are only those consigned for transport.

BRIEF DESCRIPTION OF MATERIAL:

The following waste is generated by the washing of tools and oil equipment. This analytical is from Halliburtons Hobbs facility. Sundance would like approval to acppet this waste into our Parabo facility.

Estimated Volume 300 bbls. cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE: _____ TITLE: OFFICE MGR DATE: 4-30-02
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: DONNA L. ROACH TELEPHONE NO. 505-394-2511

05/13/02-1

(This space for State Use)

APPROVED BY: _____ TITLE: Environ Engr DATE: 5/7/02

APPROVED BY: _____ TITLE: Environmental Geologist DATE: 5/13/02

CERTIFICATE OF WASTE STATUS
NON-EXEMPT WASTE MATERIAL
AS REQUIRED BY New Mexico CONSERVATION DIVISION

COMPANY/GENERATOR: Halliburton

ADDRESS: 5801 Lovington Hwy

GENERATING SITE: Hobbs Yard

COUNTY Lea STATE NM

TYPE OF WASTE: Wash Rack Grit

ESTIMATED VOLUME: 300,000 lbs.

GENERATING PROCESS: Wash Rack Sumps

REMARKS:

NMOCD FACILITY: Sundance

TRUCKING FACILITY: Chaparral

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 of 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: Harvey Price
PRINTED

ADDRESS: 5801 Lovington Hwy Hobbs, NM 88240

DATE: 4/30/2002

CARDINAL 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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page____ of____

Company Name:	HALLIBURTON ENERGY SERVICES	BILL TO	PO #:
Project Manager:	Steve Bailey	Company:	
Address:	5801 Lovington Hwy	Attn:	
City:	Hobbs State: NM Zip: 88240	Address:	
Phone #:		City:	
Fax #:		State:	Zip:
Project #:	~~SUMP~~	Project Owner:	
Project Name:	~~TCLP~~ ANALYSES	Phone #:	
Project Location:	HOBBS YARD	Fax #:	

FOR LAB USE ONLY				MATRIX						PRES.			SAMPLING		ANALYSIS REQUEST											
LAB I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID:	ICE / COOL	OTHER:	DATE	TIME	COMPLETE TCLP	TPH 418.1										
H16538-1	Logan Grit Trap				✓								2/22/02	2:25	✓	✓										
-2	E. WASH BAY SUMP							✓						2:35	✓	✓										
-3	W. WASH BAY SUMP							✓					↓	2:15	✓	✓										
#2	COMP OF E/BAY & WEST WASH-BAY SUMPS																									

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 the client for the 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 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.

Terms and Conditions: Interest will be charged on all accounts more than 30 days past due at the rate of 24% per annum from the original date of invoice, and all costs of collections, including attorney's fees.

Sampler Relinquished:	Date:	Received By:	Phone Result ☐ Yes ☐ No Additional Fax #:
	Time:		Fax Result: ☐ Yes ☐ No
Relinquished By:	Date: 2/22/02	Received By: (Lab Staff)	REMARKS:
	Time: 3:00		
Delivered By: (Circle One)	Sample Condition Cool: ☑ Yes ☐ No Intact: ☐ Yes ☐ No	CHECKED BY: (Initials)	
Sampler - UPS - Bus - Other:			

† Cardinal cannot accept verbal changes. Please fax written changes to 915-673-7020.

CARDINAL LABORATORIES

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PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
HALLIBURTON ENERGY SERVICES
ATTN: STEVE BAILEY
5801 LOVINGTON HWY
HOBBS, NM 88240
FAX TO:

Receiving Date: 02/22/02
Reporting Date: 02/27/02
Project Number: NOT GIVEN
Project Name: SUMP ANALYSES
Project Location: HOBBS YARD
Lab Number: H6538-1
Sample ID: LOGGIN GRIT TRAP

Analysis Date: 02/26/02
Sampling Date: 02/22/02
Sample Type: WASTEWATER
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: BC

TCLP SEMIVOLATILES (ppm)	EPA LIMIT	Sample Result H6538-1	Method Blank	QC	% Recov.	True Value QC
Pyridine	5.00	<0.050	<0.005	0.018	36	0.050
1,4-Dichlorobenzene	7.50	<0.050	<0.005	0.030	60	0.050
o-Cresol	200	<0.050	<0.005	0.041	82	0.050
m, p-Cresol	200	<0.050	<0.005	0.038	76	0.050
Hexachloroethane	3.00	<0.050	<0.005	0.025	50	0.050
Nitrobenzene	2.00	<0.050	<0.005	0.050	100	0.050
Hexachloro-1,3-butadiene	0.500	<0.050	<0.005	0.027	54	0.050
2,4,6-Trichlorophenol	2.00	<0.050	<0.005	0.042	84	0.050
2,4,5-Trichlorophenol	400	<0.050	<0.005	0.044	88	0.050
2,4-Dinitrotoluene	0.130	<0.050	<0.005	0.046	92	0.050
Hexachlorobenzene	0.130	<0.050	<0.005	0.042	84	0.050
Pentachlorophenol	100	<0.050	<0.005	0.044	88	0.050

	% RECOVERY
Fluorophenol	39
Phenol-d5	25
Nitrobenzene-d5	77
2-Fluorobiphenyl	60
2,4,6-Tribromophenol	93
Terphenyl-d14	87

METHODS: EPA SW-846 1311, 8270, 3510

Burgess J. A. Cooke, Ph. D.

2/27/02
Date

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CARDINAL 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: STEVE BAILEY
5801 LOVINGTON HWY
HOBBS, NM 88240
FAX TO:

Receiving Date: 02/22/02
Reporting Date: 02/27/02
Project Number: NOT GIVEN
Project Name: SUMP ANALYSES
Project Location: HOBBS YARD
Lab Number: H6538-1
Sample ID: LOGGIN GRIT TRAP

Analysis Date: 02/25/02
Sampling Date: 02/22/02
Sample Type: WASTEWATER
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: BC

TCLP VOLATILES (ppm)	EPA LIMIT	Sample Result H6538-1	Method Blank	QC	%Recov.	True Value QC
Vinyl Chloride	0.20	<0.005	<0.005	0.112	112	0.100
1,1-Dichloroethylene	0.7	<0.005	<0.005	0.094	94	0.100
Methyl Ethyl Ketone	200	<0.050	<0.050	0.085	85	0.100
Chloroform	6.0	<0.005	<0.005	0.099	99	0.100
1,2-Dichloroethane	0.5	<0.005	<0.005	0.098	98	0.100
Benzene	0.5	<0.005	<0.005	0.100	100	0.100
Carbon Tetrachloride	0.5	<0.005	<0.005	0.099	99	0.100
Trichloroethylene	0.5	<0.005	<0.005	0.099	99	0.100
Tetrachloroethylene	0.7	<0.005	<0.005	0.101	101	0.100
Chlorobenzene	100	<0.005	<0.005	0.101	101	0.100
1,4-Dichlorobenzene	7.5	0.018	0.018	0.103	103	0.100

	% RECOVERY
Dibromofluoromethane	103
Toluene-d8	99
Bromofluorobenzene	108

METHODS: EPA SW 846-8260, 1311

Burgess J. A. Cooke, Ph. D.

2/27/02
Date

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ANALYTICAL RESULTS FOR
HALLIBURTON ENERGY SERVICES
ATTN: STEVE BAILEY
5801 LOVINGTON HWY
HOBBS, NM 88240
FAX TO:

Receiving Date: 02/22/02
Reporting Date: 03/01/02
Project Number: NOT GIVEN
Project Name: SUMP ANALYSIS
Project Location: HOBBS, NM

Sampling Date: 02/22/02
Sample Type: #1 WASTEWATER #2 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:		02/27/02	03/01/02	03/01/02	03/01/02	03/01/02	03/01/02	03/01/02	02/28/02
EPA LIMITS:		5	5	100	1	5	5	0.2	1
H6538-1	LOGGING GRIT TRAP	<1	<1	<5	<0.1	<1	<1	<0.02	<0.1
H6538-2	COMP. EAST & WEST WASHBAY SUMPS	<1	<1	<5	<0.1	<1	<1	<0.02	<0.1
Quality Control		0.150	4.601	21.62	0.976	4.634	4.380	0.00662	0.156
True Value QC		0.150	5.000	25.00	1.000	5.000	5.000	0.00600	0.150
% Recovery		100	92.0	86.5	97.6	92.7	87.6	110	104
Relative Standard Deviation		0.7	0.2	3.3	0.1	0.6	0.1	10.3	1.6
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

3-1-02
Date

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PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
HALLIBURTON ENERGY SERVICES
ATTN: STEVE BAILEY
5801 LOVINGTON HWY
HOBBS,NM 88240
FAX TO:

Receiving Date: 02/22/02
Reporting Date: 03/01/02
Project Number: NOT GIVEN
Project Name: SUMP ANALYSIS
Project Location: HOBBS, NM

Sampling Date: 02/22/02
Sample Type: #1 WASTEWATER
#2 SLUDGE
Sample Condition: COOL & INTACT
Sample Received By: AH
Analyzed By: AH/BC

LAB NUMBE	SAMPLE ID	REACTIVITY Sulfide (ppm)	Cyanide (ppm)	CORROSIVITY (pH)	IGNITABILITY (°F)
ANALYSIS DATE:		02/27/02	02/27/02	02/27/02	02/28/02
H6538-1	LOGGING GRIT TRAP	Not reactive	Not reactive	7.47	>140
H6538-2	COMP. EAST & WEST WASHBAY SUMPS	Not reactive	Not reactive	10.4	Nonflammable
Quality Control		NR	NR	7.08	NR
True Value QC		NR	NR	7.00	NR
% Recovery		NR	NR	101	NR
Relative Percent Difference		NR	NR	0.1	NR

METHOD: EPA SW 846-7.3, 7.2, 1010, 1311, *40 CFR 261*

Amy Hill
Chemist

3-1-02
Date

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H6538r

CARDINAL LABORATORIES

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PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
HALLIBURTON ENERGY SERVICES
ATTN: STEVE BAILEY
5801 LOVINGTON HWY
HOBBS, NM 88240
FAX TO:

Receiving Date: 02/22/02
Reporting Date: 02/27/02
Project Number: NOT GIVEN
Project Name: SUMP ANALYSES
Project Location: HOBBS YARD
Lab Number: H6538-2
Sample ID: COMPOSITE OF E. & W. WASHBAY SUMPS

Analysis Date: 02/26/02
Sampling Date: 02/22/02
Sample Type: SLUDGE
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: BC

TCLP SEMIVOLATILES (ppm)	EPA LIMIT	Sample Result H6538-2	Method Blank	QC	% Recov.	True Value QC
Pyridine	5.00	<0.020	<0.005	0.018	36	0.050
1,4-Dichlorobenzene	7.50	<0.020	<0.005	0.030	60	0.050
o-Cresol	200	<0.020	<0.005	0.041	82	0.050
m, p-Cresol	200	<0.020	<0.005	0.038	76	0.050
Hexachloroethane	3.00	<0.020	<0.005	0.025	50	0.050
Nitrobenzene	2.00	<0.020	<0.005	0.050	100	0.050
Hexachloro-1,3-butadiene	0.500	<0.020	<0.005	0.027	54	0.050
2,4,6-Trichlorophenol	2.00	<0.020	<0.005	0.042	84	0.050
2,4,5-Trichlorophenol	400	<0.020	<0.005	0.044	88	0.050
2,4-Dinitrotoluene	0.130	<0.020	<0.005	0.046	92	0.050
Hexachlorobenzene	0.130	<0.020	<0.005	0.042	84	0.050
Pentachlorophenol	100	<0.020	<0.005	0.044	88	0.050

	% RECOVERY
Fluorophenol	49
Phenol-d5	37
Nitrobenzene-d5	67
2-Fluorobiphenyl	67
2,4,6-Tribromophenol	67
Terphenyl-d14	66

METHODS: EPA SW-846 1311, 8270, 3510

Burgess J. A. Cooke, Ph. D.

2/27/02
Date

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ANALYTICAL RESULTS FOR
HALLIBURTON ENERGY SERVICES
ATTN: STEVE BAILEY
5801 LOVINGTON HWY
HOBBS, NM 88240
FAX TO:

Receiving Date: 02/22/02
Reporting Date: 02/27/02
Project Number: NOT GIVEN
Project Name: SUMP ANALYSES
Project Location: HOBBS YARD
Lab Number: H6538-2
Sample ID: COMPOSITE OF E. & W. WASHBAY SUMPS

Analysis Date: 02/26/02
Sampling Date: 02/22/02
Sample Type: SLUDGE
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: BC

TCLP VOLATILES (ppm)	EPA LIMIT	Sample Result H6538-2	Method Blank	QC	%Recov.	True Value QC
Vinyl Chloride	0.20	<0.005	<0.005	0.112	112	0.100
1,1-Dichloroethylene	0.7	<0.005	<0.005	0.094	94	0.100
Methyl Ethyl Ketone	200	<0.050	<0.050	0.085	85	0.100
Chloroform	6.0	<0.005	<0.005	0.099	99	0.100
1,2-Dichloroethane	0.5	<0.005	<0.005	0.098	98	0.100
Benzene	0.5	<0.005	<0.005	0.100	100	0.100
Carbon Tetrachloride	0.5	<0.005	<0.005	0.099	99	0.100
Trichloroethylene	0.5	<0.005	<0.005	0.099	99	0.100
Tetrachloroethylene	0.7	<0.005	<0.005	0.101	101	0.100
Chlorobenzene	100	<0.005	<0.005	0.101	101	0.100
1,4-Dichlorobenzene	7.5	0.006	0.040	0.103	103	0.100

	% RECOVERY
Dibromofluoromethane	106
Toluene-d8	113
Bromofluorobenzene	108

METHODS: EPA SW 846-8260, 1311

Burgess J. A. Cooke, Ph. D.

2/27/02
Date

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ATTN: STEVE BAILEY
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HOBBS, NM 88240
FAX TO:

Receiving Date: 02/22/02
Reporting Date: 03/01/02
Project Number: NOT GIVEN
Project Name: SUMP ANALYSES
Project Location: HOBBS YARD

Analysis Date: 02/28/02
Sampling Date: 02/22/02
Sample Type: SLUDGE
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: BC

LAB NUMBER	SAMPLE ID	TPH (mg/Kg)
H6538-2	COMPOSITE OF E. & W. WASHBAY SUMPS	2420
Quality Control		250
True Value QC		240
% Recovery		104
Relative Percent Difference		9.5

METHOD: EPA 418.1

Chemist

3/1/02
Date

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H6538T2.XLS

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ANALYTICAL RESULTS FOR
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ATTN: STEVE BAILEY
5801 LOVINGTON HWY
HOBBS, NM 88240
FAX TO:

Receiving Date: 02/22/02
Reporting Date: 03/01/02
Project Number: NOT GIVEN
Project Name: SUMP ANALYSES
Project Location: HOBBS YARD

Analysis Date: 02/28/02
Sampling Date: 02/22/02
Sample Type: WASTEWATER
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: BC

LAB NUMBER	SAMPLE ID	TPH (mg/L)
H6538-1	LOGGIN GRIT TRAP	1490
Quality Control		9.67
True Value QC		10.0
% Recovery		96.7
Relative Percent Difference		0.8

METHOD: EPA 418.1

Chemist

3/1/02
Date

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Hobbs, NM 88241-1980
District II - (505) 748-1283
811 S. First
Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Road
Aztec, NM 87410
District IV - (505) 827-7131

Energy Minerals and Natural Resources Department
Oil Conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

RECEIVED
MAY 13 2002
Environmental Bureau
Oil Conservation Division

Form C-1
Originated 8/8

Submit Orig
Plus 1 Co
to appropri
District Off

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☒ Verbal Approval Received: Yes ☐ No ☐	4. Generator Halliburton
	5. Originating Site Hobbs Facilit
2. Management Facility Destination SUNDANCE SERVICES INC.	6. Transporter Halliburton
3. Address of Facility Operator P.O. BOX 1737 Eunice NM 88231	8. State NEW MEXICO
7. Location of Material (Street Address or ULSTR) 5801 Lovington Hwy, Hobbs, NM 88240	

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:

The following MSDS sheets are for Halliburton's Hobbs facility waste cement. This waste is generated when the generator mixes up cement for an oilfield cement job and some cement is left over. It is then put into a truck for holding until disposal. I have attached a certificate of waste status and MSDS on all of the cement types used by this facility. Sundance would like approval to accept this material into our disposal.

Estimated Volume 400 tons cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE: Donna L Roach TITLE: OFFICE MGR DATE: 4-30-02
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: DONNA L. ROACH TELEPHONE NO. 505-394-2511

(This space for State Use)

APPROVED BY: _____ TITLE: Environmental Engr DATE: 5/7/02

APPROVED BY: Martyn J. Kh. TITLE: Environmental Geologist DATE: 5/13/02

65302-2

CERTIFICATE OF WASTE STATUS
NON-EXEMPT WASTE MATERIAL

AS REQUIRED BY New Mexico CONSERVATION DIVISION

COMPANY/GENERATOR: Halliburton Energy Services

ADDRESS: 5801 Lovington Hwy

GENERATING SITE: Hobbs Yard

COUNTY Lea STATE NM

TYPE OF WASTE: Cement

ESTIMATED VOLUME: 1,000, sacks

GENERATING PROCESS: Unused cement

REMARKS:

NMOCD FACILITY: Sundance

TRUCKING FACILITY: Halliburton

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 of 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.

AGENT: _____
SIGNATURE

NAME: Harvey Price
PRINTED

ADDRESS: 5801 Lovington Hwy

DATE: 4/30/2002

Halliburton Energy Services Shipping Papers
For
Movement of Materials According to Federal Regulations
As specified on CFR 49 sec.117.817 and 176.24

Location: Hobbs, New Mexico

Truck or Trailer No. 52043 - 8101

For Emergency Contact:
Name: Steve Luscomb
Telephone: (505) 392-6531

Driver _____
U.S. DOT Hazmat Reg. No.-051496 005 031E

Total Net Lbs 31,100 No. Cont. _____ Type: Bulk

Not Restricted
Halco Name & Number: Cement-Bulk
Gross Lbs./Pkg. 90,924 #/SK ERG
94.282 #/SK

This is to certify that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation.

Signature: _____

Time Loaded _____

Bulk Ticket No. _____ Freight Bill No. _____

Premium Cement	23,154	lbs.
Poz Mix	3,960	lbs.
Silica	2,904	lbs.
HAI-9	21	lbs.
CFR-3	92	lbs.
gilsonite	1,320	lbs.
HALAD-344	115	lbs.
HR-7	46	lbs.
Salt (cement grade)	264	lbs.

FOR
MOVEMENT OF MATERIALS ACCORDING TO FEDERAL REGULATION
AS SPECIFIED IN CFR 49, SEC.177.817 AND 176.24

LOCATION: 15540

TRUCK# OR TRLR# : 52043-8101

FOR EMERGENCY CONTACT:
NAME: STEVE LUSCOMBE
TELEPHONE: (505) 392-6531

DRIVER:
U.S. DOT HAZMAT REG. NO. - 060497 003 42F

*HM:**********

* * TOT GROSS LBS _____ NUM CONTAINERS: TYPE: BULK

* **********

* * NOT RESTRICTED

* *

* *

* *

* *HALCO NAME & NO.: CEMENT - CLASS H - PREMIUM - BULK 516.00272

* * * GROSS LBS/PKG: ERG =)

****

****

****

* * TOT GROSS LBS _____ NUM CONTAINERS: TYPE: BULK

* **********

* * NOT RESTRICTED

* *

* *

* *

* *HALCO NAME & NO.: POZMIX(R) A - BULK 516.00286

* * * GROSS LBS/PKG: ERG =)

****

****

****

* * TOT GROSS LBS _____ NUM CONTAINERS: TYPE: BULK

* **********

* * NOT RESTRICTED

* *

* *

* *

* *HALCO NAME & NO.: SILICALITE ADDITIVE - 50/50 W/ POZMIX 516.00443

* * * GROSS LBS/PKG: ERG =)

****

****

****

* * TOT GROSS LBS _____ NUM CONTAINERS: TYPE: 50 LB BAG

* **********

* * NOT RESTRICTED

* *

* *

* *

* *HALCO NAME & NO.: HALAD(R) 9 CEMENT ADDITIVE 70.15556

* * * GROSS LBS/PKG: ERG =)

****

****

****

* * TOT GROSS LBS _____ NUM CONTAINERS: TYPE: 50 LB BAG

* **********

* * NOT RESTRICTED

* *

* *

* *

* *HALCO NAME & NO.: CFR-3 CEMENT FRICTION REDUCER DEFOAM 516.00295

* * * GROSS LBS/PKG: ERG =)

****

FOR
MOVEMENT OF MATERIALS ACCORDING TO FEDERAL REGULATION
AS SPECIFIED IN CFR 49, SEC.177.817 AND 176.24

LOCATION: 15540

TRUCK# OR TRLR# : 52043-8101

FOR EMERGENCY CONTACT:
NAME: STEVE LUSCOMBE
TELEPHONE: (505) 392-6531

DRIVER:
U.S. DOT HAZMAT REG. NO. - 060497 003 42F

*HM:**********

* * TOT GROSS LBS _____ NUM CONTAINERS: TYPE: BULK

* *********

* * NOT RESTRICTED

* *

* *

* *

* *HALCO NAME & NO.: GILSONITE(R) RESIN - BULK 516.00337

* * * GROSS LBS/PKG: ERG =)

****

****

****

* * TOT GROSS LBS _____ NUM CONTAINERS: TYPE: 50 LB BAG

* *********

* * NOT RESTRICTED

* *

* *

* *

* *HALCO NAME & NO.: HALAD(R) 344 CEMENT ADDITIVE 516.00227

* * * GROSS LBS/PKG: ERG =)

****

****

****

* * TOT GROSS LBS _____ NUM CONTAINERS: TYPE: 50 LB BAG

* *********

* * NOT RESTRICTED

* *

* *

* *

* *HALCO NAME & NO.: HR-7 ADDITIVE 890.50903

* * * GROSS LBS/PKG: ERG =)

****

****

****

* * TOT GROSS LBS _____ NUM CONTAINERS: TYPE: BULK

* *********

* * NOT RESTRICTED

* *

* *

* *

* *HALCO NAME & NO.: SALT - CEMENT GRADE - BULK 516.00315

* * * GROSS LBS/PKG: ERG =)

****

****

THIS IS TO CERTIFY THAT THE ABOVE NAMED MATERIALS ARE PROPERLY CLASSIFIED, DESCRIBED, PACKAGED, MARKED AND LABELED, AND ARE IN PROPER CONDITION FOR TRANSPORTATION ACCORDING TO THE APPLICABLE REGULATIONS OF THE DEPARTMENT OF TRANSPORTATION.

SIGNATURE _____

MATERIAL SAFETY DATA SHEET DATE: 12-30-97
HALLIBURTON ENERGY SERVICES REVISED DATE 01-17-96
DUNCAN, OKLAHOMA 73536

EMERGENCY TELEPHONE: 405/251-4689 OR 405/251-3569
AFTER HOURS: 405/251-3760

* * * * * * * * * * SECTION I - PRODUCT DESCRIPTION * * * * * * * * * * * *

CHEMICAL CODE: CEMENT - CLASS H - PREMIUM - BULK PART NUMBER: 516002720
PKG QTY: BULK APPLICATION: CEMENTING
SERVICE USED: CEMENT

* * * * * * * * * * SECTION II - COMPONENT INFORMATION * * * * * * * * * *

COMPONENT+ + + + + + + + +	PERCENT	TLV	PEL
PORTLAND CEMENT	> 60 %	10 MG/M3	10 MG/M3
SILICA, CRYSTALLINE--QUARTZ	<3 %	0.1 MG/M3	0.1 MG/M3

* * * * * * * * * * * * SECTION III - PHYSICAL DATA * * * * * * * * * * * * *

PROPERTY	MEASUREMENT
APPEARANCE	GRAY SOLID, POWDER
ODOR	ODORLESS
SPECIFIC GRAVITY (H2O=1)	3.150
BULK DENSITY	94.00 LB/CU.FT.
PH	12.4
SOLUBILITY IN WATER AT 20 DEG C. GMS/100ML H20	.1-1.0
BIODEGRADABILITY	N/A
PERCENT VOLATILES	0
EVAPORATION RATE(BUTYL ACETATE=1)	N/A
VAPOR DENSITY	N/A
VAPOR PRESSURE (MMHG)	N/A
BOILING POINT(760 MMHG)	N/A
POUR POINT	N/A
FREEZE POINT	N/A
SOLUBILITY IN SEAWATER	NOT EVALUATED
PARTITION COEF (OCTANOL IN WATER)	NOT EVALUATED

* * * * * * * * * * SECTION IV - FIRE AND EXPLOSION DATA * * * * * * * * * *

NFPA(704) RATING:
HEALTH 0 FLAMMABILITY 0 REACTIVITY 0 SPECIAL NONE
FLASH POINT N/A
AUTOIGNITION TEMPERATURE NO F / NO C
FLAMMABLE LIMITS (OZ. PER CU. FT.) LOWER N/D UPPER N/D

++

EXTINGUISHING MEDIA:
NONCOMBUSTIBLE
SPECIAL FIRE FIGHTING PROCEDURES:
NOT APPLICABLE.
UNUSUAL FIRE AND EXPLOSION HAZARDS:
NO FIRE HAZARD.
NOT APPLICABLE.

* * * * * * * * * * * * SECTION V - HEALTH HAZARD DATA * * * * * * * * * * * *

CALIFORNIA PROPOSITION 65:
PRODUCT OR PRODUCT COMPONENTS ARE REGULATED UNDER CALIF. PROPOSITION 65.

CARCINOGENIC DETERMINATION:
PRODUCT OR COMPONENTS ARE LISTED AS A POTENTIAL CARCINOGEN
ACCORDING TO : IARC

PRODUCT TOXICITY DATA: NOT DETERMINED

PRODUCT TLV: 10 MG/M3

---------- EFFECTS OF EXPOSURE ----------

ROUTES OF EXPOSURE:
EYE OR SKIN CONTACT, INHALATION.

EYE:
MAY CAUSE SEVERE IRRITATION WHICH MAY BE PERSISTENT.

SKIN:
CEMENT DUST CAN BE IRRITATING TO SKIN. WET CEMENT CAN DRY THE SKIN AND CAUSE ALKALI BURNS. SENSITIVE INDIVIDUALS MAY DEVELOP ALLERGIC DERMATITIS.

INHALATION:
MAY BE IRRITATING.
TREAT AS NUISANCE DUST.

INGESTION:
THIS MATERIAL IS OF VERY LOW ACUTE TOXICITY. THERE IS NO EVIDENCE OF ADVERSE EFFECTS FROM AVAILABLE INFORMATION.

CHRONIC EFFECTS:
CRYSTALLINE SILICA IS NOT ON THE OSHA CARCINOGEN LIST. NTP AND IARC HAVE DETERMINED THERE IS SUFFICIENT EVIDENCE FOR CARCINOGENICITY OF CRYSTALLINE SILICA TO EXPERIMENTAL ANIMALS AND LIMITED EVIDENCE TO HUMANS. "LIMITED EVIDENCE" MEANS POSSIBLE RELATIONSHIP, BUT OTHER FACTORS CANNOT BE EXCLUDED. CONTAINS TRACE AMOUNTS OF ARSENIC, A CHEMICAL KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER. EXPOSURE TO ARSENIC SHOULD NOT EXCEED THE FEDERAL OSHA PEL UNLESS USED IN A MANNER THAT PRODUCES EXTREMELY HEAVY AIR-BORNE CONCENTRATIONS OF PRODUCT AT LEVELS WELL ABOVE THE ALLOWABLE LIMITS.

OTHER SYMPTOMS AFFECTED:
A REVIEW OF AVAILABLE DATA DOES NOT IDENTIFY ANY CONDITIONS WORSENED BY EXPOSURE TO THIS PRODUCT.

---------- EMERGENCY AND FIRST AID PROCEDURES ----------

EYE:
IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. IF IRRITATION PERSISTS, SEEK PROMPT MEDICAL ATTENTION.

SKIN:
PROMPTLY WASH SKIN WITH SOAP AND WATER.

INHALATION:
REMOVE TO FRESH AIR. IF IRRITATION PERSISTS, SEEK MEDICAL ATTENTION.

INGESTION:
DO NOT INDUCE VOMITING! IN GENERAL, NO TREATMENT IS NECESSARY UNLESS LARGE QUANTITIES ARE INGESTED. HOWEVER, MEDICAL ADVICE SHOULD BE OBTAINED.

* * * * * * * * * * * SECTION VI - REACTIVITY DATA * * * * * * * * * * * *

STABILITY: STABLE

CONDITIONS TO AVOID:
STORE IN A DRY LOCATION.

INCOMPATIBILITY (MATERIALS TO AVOID):
NONE KNOWN.

HAZARDOUS DECOMPOSITION PRODUCTS:
NONE KNOWN.

HAZARD POLYMERIZATION: WON"T OCCUR

CONDITIONS TO AVOID:
NOT APPLICABLE.

* * * * * * * * * SECTION VII - SPILL OR LEAK PROCEDURES * * * * * * * * * *

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:
USE PROTECTIVE EQUIPMENT. SWEEP UP AND REMOVE. AVOID CREATING OR INHALING DUST.
WASTE DISPOSAL METHOD:
IF NOT CONTAMINATED, REUSE PRODUCT.
GET APPROVAL FROM LANDFILL OPERATOR AND TRANSPORT TO SANITARY LANDFILL.

* * * * * * * * * SECTION VIII - SPECIAL PROTECTION INFORMATION * * * * * * * *

RESPIRATORY PROTECTION (USE NIOSH/MSHA APPROVED EQUIPMENT):
TOXIC DUST/MIST RESPIRATOR.
VENTILATION:
USE ONLY WITH ADEQUATE VENTILATION.
PROTECTIVE GLOVES:
NORMAL WORK GLOVES.
EYE PROTECTION:
DUST PROOF GOGGLES.
OTHER PROTECTIVE EQUIPMENT:
NORMAL WORK COVERALLS.

* * * * * * * * * * * * SECTION IX - SPECIAL PRECAUTIONS * * * * * * * * * * *

PRECAUTIONARY LABELING CEMENT - CLASS H - PREMIUM - BULK 516.002720

WARNING!
CONTAINS A SMALL AMOUNT OF CRYSTALLINE SILICA, REPEATED OR PROLONGED INHALATION OF DUST MAY CAUSE A DELAYED RESPIRATORY ILLNESS (SILICOSIS). THE INTERNATIONAL AGENCY FOR RESEARCH ON CANCER (IARC) AND NTP HAVE DETERMINED THERE IS LIMITED EVIDENCE OF THE CARCINOGENICITY OF CRYSTALLINE SILICA.
MAY CAUSE EYE AND SKIN IRRITATION.
MAY CAUSE SKIN BURNS IF CEMENT IS WET OR WITH CONFINED INTIMATE CONTACT.
FOR PRECAUTIONARY STATEMENTS, REFER TO SECTIONS IV-VIII.
OTHER HANDLING AND STORAGE CONDITIONS:
STORE IN DRY LOCATION TO PROTECT PRODUCT QUALITY. REQUIRES COVERED STORAGE.
AVOID CREATING OR INHALING DUST.
AVOID CONTACT WITH SKIN, EYES AND CLOTHING.
CONTAINER DISPOSITION:
EMPTY CONTAINER COMPLETELY. TRANSPORT CONTAINER WITH ALL CLOSURES IN PLACE. RETURN FOR REUSE OR DISPOSE IN A SANITARY LANDFILL BY FIRST OBTAINING LANDFILL OPERATOR'S AUTHORIZATION.

* * * * * * * * * * SECTION X - TRANSPORTATION INFORMATION * * * * * * * * * *

DOT SHIPPING DESCRIPTION:
NOT RESTRICTED

* * * * * * * * * * SECTION XI - ENVIRONMENTAL EVALUATION * * * * * * * * * *

EPA SUPERFUND(SARA) TITLE III - HAZARD CLASSIFICATION & ASSOCIATED INFORMATION
FIRE: N PRESSURE: N REACTIVE: N ACUTE (IMMEDIATE): Y
CHRONIC (DELAYED): N MIXTURE OR PURE MATERIAL: MIX

B. EPA - CERCLA/SUPERFUND, 40 CFR 302 (REPORTABLE SPILL QUANTITY)
N/A

C. EPA - SARA TITLE III, CFR 355 (EXTREMELY HAZARDOUS SUBSTANCES)
PRODUCT CONTAINS NO EXTREMELY HAZARDOUS COMPONENTS

D. EPA - SARA TITLE III, 40 CFR 372 (LIST OF TOXIC CHEMICALS)
CHEMICAL CONTAINS NO TOXIC INGREDIENTS

E. COMPONENTS LISTED ON FOLLOWING CHEMICAL INVENTORIES

TSCA YES CEPA NE EEC N/D ACOIN N/D NPR NE DRSM NE

H. EPA - RCRA (HAZARDOUS WASTE), 40 CFR 261

IF PRODUCT BECOMES A WASTE, IT DOES NOT MEET THE CRITERIA OF A HAZARDOUS WASTE

* *

THE INFORMATION WHICH IS CONTAINED IN THIS DOCUMENT IS BASED UPON AVAILABLE DATA AND BELIEVED TO BE CORRECT. HOWEVER, AS SUCH AS IT HAS BEEN OBTAINED FROM VARIOUS SOURCES, INCLUDING THE MANUFACTURER AND INDEPENDENT LABORATORIES, IT IS GIVEN WITHOUT WARRANTY OR REPRESENTATION THAT IT IS COMPLETE, ACCURATE AND CAN BE RELIED UPON. HALLIBURTON HAS NOT ATTEMPTED TO CONCEAL IN ANY WAY THE DELETERIOUS ASPECTS OF THE PRODUCT LISTED HEREIN, BUT MAKES NO WARRANTY AS TO SUCH. FURTHER, AS HALLIBURTON CANNOT ANTICIPATE NOR CONTROL THE MANY SITUATIONS IN WHICH THE LISTED PRODUCT OR THIS INFORMATION MAY BE USED BY OUR CUSTOMER, THERE IS NO GUARANTEE THAT THE HEALTH AND SAFETY PRECAUTIONS SUGGESTED WILL BE PROPER UNDER ALL CONDITIONS. IT IS THE SOLE RESPONSIBILITY OF EACH USER OF THE LISTED PRODUCT TO DETERMINE AND COMPLY WITH THE REQUIREMENTS OF ALL APPLICABLE LAWS AND REGULATIONS REGARDING ITS USE OR DISPOSAL. THIS INFORMATION IS GIVEN SOLELY FOR THE PURPOSES OF HEALTH AND SAFETY TO PERSONS AND PROPERTY. ANY OTHER USE OF THIS INFORMATION IS EXPRESSLY PROHIBITED. HEALTH, SAFETY AND ENVIRONMENT DEPARTMENT, HALLIBURTON ENERGY SERVICES.

MATERIAL SAFETY DATA SHEET DATE: 12-30-97
HALLIBURTON ENERGY SERVICES REVISED DATE 01-17-96
DUNCAN, OKLAHOMA 73536

EMERGENCY TELEPHONE: 405/251-4689 OR 405/251-3569
AFTER HOURS: 405/251-3760

* * * * * * * * * * * SECTION I - PRODUCT DESCRIPTION * * * * * * * * * * * *

CHEMICAL CODE: POZMIX(R) A - BULK PART NUMBER: 516002860
PKG QTY: BULK APPLICATION: LIGHT WEIGHT CEMENT ADDITIVE
SERVICE USED: CEMENT

* * * * * * * * * * * SECTION II - COMPONENT INFORMATION * * * * * * * * * * *

COMPONENT+ + + + + + + + +	PERCENT	TLV	PEL
SILICA, CRYSTALLINE--QUARTZ	31-60 %	0.1 MG/M3	0.1 MG/M3
CALCIUM OXIDE	1-10 %	2 MG/M3	5 MG/M3
IRON OXIDE	1-10 %	5 MG/M3	10 MG/M3
MAGNESIUM OXIDE	1-10 %	10 MG/M3	10 MG/M3
SILICA, CRYSTALLINE-CRISTOBALITE	1-10 %	0.05 MG/M3	0.05 MG/M3
ALUMINUM OXIDE	11-30 %	10 MG/M3	10 MG/M3

* * * * * * * * * * * SECTION III - PHYSICAL DATA * * * * * * * * * * * * * *

PROPERTY	MEASUREMENT
APPEARANCE	GRAY OR BLACK SOLID, POWDER
ODOR	ODORLESS
SPECIFIC GRAVITY (H2O=1)	2.300
BULK DENSITY	74.00 LB/CU.FT.
PH	NOT DETERMINED
SOLUBILITY IN WATER AT	
20 DEG C. GMS/100ML H2O	NEG
BIODEGRADABILITY	N/A
PERCENT VOLATILES	N/A
EVAPORATION RATE(BUTYL ACETATE=1)	N/A
VAPOR DENSITY	N/A
VAPOR PRESSURE (MMHG)	N/A
BOILING POINT(760 MMHG)	N/A
POUR POINT	N/A
FREEZE POINT	N/A
SOLUBILITY IN SEAWATER	NOT EVALUATED
PARTITION COEF (OCTANOL IN WATER)	NOT EVALUATED

* * * * * * * * * * SECTION IV - FIRE AND EXPLOSION DATA * * * * * * * * * * *

NFPA(704) RATING:
HEALTH 1 FLAMMABILITY 0 REACTIVITY 0 SPECIAL NONE
FLASH POINT N/A FLASH MTHD
AUTOIGNITION TEMPERATURE
FLAMMABLE LIMITS (OZ. PER CU. FT.) LOWER N/A UPPER N/A

++

EXTINGUISHING MEDIA:
USE MEDIA APPROPRIATE FOR SURROUNDING MATERIALS.
SPECIAL FIRE FIGHTING PROCEDURES:
NOT APPLICABLE.
UNUSUAL FIRE AND EXPLOSION HAZARDS:
NOT APPLICABLE.

* * * * * * * * * * SECTION V - HEALTH HAZARD DATA * * * * * * * * * * * *

CALIFORNIA PROPOSITION 65:
PRODUCT OR PRODUCT COMPONENTS ARE REGULATED UNDER CALIF. PROPOSITION 65.

CARCINOGENIC DETERMINATION:
PRODUCT OR COMPONENTS ARE LISTED AS A POTENTIAL CARCINOGEN
ACCORDING TO : IARC

PRODUCT TOXICITY DATA: NOT DETERMINED

PRODUCT TLV: 0.1 MG/M3 (AS CRYSTALLINE SILICA)

---------- *EFFECTS OF EXPOSURE* ----------

PRIMARY ROUTES OF EXPOSURE:
INHALATION.

EYE:
DUST MAY CAUSE A MECHANICAL IRRITATION TO THE EYES.

SKIN:
ESSENTIALLY NON-IRRITATING.

INHALATION:
MAY BE IRRITATING.
REPEATED OVEREXPOSURE TO CRYSTALLINE SILICA MAY CAUSE ACUTE SILICOSIS, A FIBROTIC LUNG CONDITION THAT REDUCES LUNG FUNCTION AND MAY LEAD TO CARDIOPULMONARY IMPAIRMENT. SILICOSIS IS RAPIDLY PROGRESSIVE AND THE ONSET OF SYMPTOMS MAY BE DELAYED.

INGESTION:
THIS MATERIAL IS OF VERY LOW ACUTE TOXICITY. THERE IS NO EVIDENCE OF ADVERSE EFFECTS FROM AVAILABLE INFORMATION.

CHRONIC EFFECTS:
CRYSTALLINE SILICA IS NOT ON THE OSHA CARCINOGEN LIST. NTP AND IARC HAVE DETERMINED THERE IS SUFFICIENT EVIDENCE FOR CARCINOGENICITY OF CRYSTALLINE SILICA TO EXPERIMENTAL ANIMALS AND LIMITED EVIDENCE TO HUMANS. "LIMITED EVIDENCE" MEANS POSSIBLE RELATIONSHIP, BUT OTHER FACTORS CANNOT BE EXCLUDED.

OTHER SYMPTOMS AFFECTED:
MAY AGGRAVATE ASTHMA AND INFLAMMATORY OR FIBROTIC PULMONARY DISEASE.

---------- EMERGENCY AND FIRST AID PROCEDURES ----------

EYE:
IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. IF IRRITATION PERSISTS, SEEK PROMPT MEDICAL ATTENTION.

SKIN:
PROMPTLY WASH SKIN WITH SOAP AND WATER.

INHALATION:
REMOVE TO FRESH AIR. IF IRRITATION PERSISTS, SEEK MEDICAL ATTENTION.

INGESTION:
DO NOT INDUCE VOMITING! IN GENERAL, NO TREATMENT IS NECESSARY UNLESS LARGE QUANTITIES ARE INGESTED. HOWEVER, MEDICAL ADVICE SHOULD BE OBTAINED.

* * * * * * * * * * * SECTION VI - REACTIVITY DATA * * * * * * * * * * * *

STABILITY: STABLE

CONDITIONS TO AVOID:
NOT APPLICABLE.

INCOMPATIBILITY (MATERIALS TO AVOID):
STRONG OXIDIZERS.

HAZARDOUS DECOMPOSITION PRODUCTS:
NONE KNOWN.

HAZARD POLYMERIZATION: WON"T OCCUR

CONDITIONS TO AVOID:
NOT APPLICABLE.

* * * * * * * * * * SECTION VII - SPILL OR LEAK PROCEDURES * * * * * * * * * *

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:
USE PROTECTIVE EQUIPMENT. SWEEP UP AND REMOVE. AVOID CREATING OR INHALING DUST.
WASTE DISPOSAL METHOD:
IF NOT CONTAMINATED, REUSE PRODUCT.
GET APPROVAL FROM LANDFILL OPERATOR AND TRANSPORT TO SANITARY LANDFILL.

* * * * * * * * * SECTION VIII - SPECIAL PROTECTION INFORMATION * * * * * * * *

RESPIRATORY PROTECTION (USE NIOSH/MSHA APPROVED EQUIPMENT):
TOXIC DUST/MIST RESPIRATOR.
VENTILATION:
USE ONLY WITH ADEQUATE VENTILATION.
PROTECTIVE GLOVES:
NORMAL WORK GLOVES.
EYE PROTECTION:
DUST PROOF GOGGLES.
OTHER PROTECTIVE EQUIPMENT:
NORMAL WORK COVERALLS.

* * * * * * * * * * * * SECTION IX - SPECIAL PRECAUTIONS * * * * * * * * * * *

PRECAUTIONARY LABELING POZMIX(R) A - BULK 516.002860

WARNING!
CONTAINS CRYSTALLINE SILICA WHICH MAY CAUSE A DELAYED, PROGRESSIVE LUNG DISEASE (SILICOSIS). THE IARC AND NTP HAVE DETERMINED THERE IS LIMITED EVIDENCE OF THE CARCINOGENICITY OF CRYSTALLINE SILICA.
MAY CAUSE MILD EYE AND RESPIRATORY TRACT IRRITATION.
FOR PRECAUTIONARY STATEMENTS, REFER TO SECTIONS IV-VIII.
OTHER HANDLING AND STORAGE CONDITIONS:
STORE IN DRY LOCATION TO PROTECT PRODUCT QUALITY. REQUIRES COVERED STORAGE.
AVOID CREATING OR INHALING DUST.
AVOID CONTACT WITH SKIN, EYES AND CLOTHING.
CONTAINER DISPOSITION:
EMPTY CONTAINER COMPLETELY. TRANSPORT CONTAINER WITH ALL CLOSURES IN PLACE. RETURN FOR REUSE OR DISPOSE IN A SANITARY LANDFILL BY FIRST OBTAINING LANDFILL OPERATOR'S AUTHORIZATION.

* * * * * * * * * * SECTION X - TRANSPORTATION INFORMATION * * * * * * * * * *

DOT SHIPPING DESCRIPTION:
NOT RESTRICTED

* * * * * * * * * * SECTION XI - ENVIRONMENTAL EVALUATION * * * * * * * * * *

EPA SUPERFUND(SARA) TITLE III - HAZARD CLASSIFICATION & ASSOCIATED INFORMATION
FIRE: N PRESSURE: N REACTIVE: N ACUTE (IMMEDIATE): Y
CHRONIC (DELAYED): Y MIXTURE OR PURE MATERIAL: MIX

B. EPA - CERCLA/SUPERFUND, 40 CFR 302 (REPORTABLE SPILL QUANTITY)
N/A

C. EPA - SARA TITLE III, CFR 355 (EXTREMELY HAZARDOUS SUBSTANCES)
PRODUCT CONTAINS NO EXTREMELY HAZARDOUS COMPONENTS

D. EPA - SARA TITLE III, 40 CFR 372 (LIST OF TOXIC CHEMICALS)
CHEMICAL CONTAINS NO TOXIC INGREDIENTS

E. COMPONENTS LISTED ON FOLLOWING CHEMICAL INVENTORIES
TSCA YES CEPA NE EEC N/D ACOIN N/D NPR NE ORSM NE

H. EPA - RCRA (HAZARDOUS WASTE), 40 CFR 261

IF PRODUCT BECOMES A WASTE, IT DOES NOT MEET THE CRITERIA OF A HAZARDOUS WASTE

* *

THE INFORMATION WHICH IS CONTAINED IN THIS DOCUMENT IS BASED UPON AVAILABLE DATA AND BELIEVED TO BE CORRECT. HOWEVER, AS SUCH AS IT HAS BEEN OBTAINED FROM VARIOUS SOURCES, INCLUDING THE MANUFACTURER AND INDEPENDENT LABORATORIES, IT IS GIVEN WITHOUT WARRANTY OR REPRESENTATION THAT IT IS COMPLETE, ACCURATE AND CAN BE RELIED UPON. HALLIBURTON HAS NOT ATTEMPTED TO CONCEAL IN ANY WAY THE DELETERIOUS ASPECTS OF THE PRODUCT LISTED HEREIN, BUT MAKES NO WARRANTY AS TO SUCH. FURTHER, AS HALLIBURTON CANNOT ANTICIPATE NOR CONTROL THE MANY SITUATIONS IN WHICH THE LISTED PRODUCT OR THIS INFORMATION MAY BE USED BY OUR CUSTOMER, THERE IS NO GUARANTEE THAT THE HEALTH AND SAFETY PRECAUTIONS SUGGESTED WILL BE PROPER UNDER ALL CONDITIONS. IT IS THE SOLE RESPONSIBILITY OF EACH USER OF THE LISTED PRODUCT TO DETERMINE AND COMPLY WITH THE REQUIREMENTS OF ALL APPLICABLE LAWS AND REGULATIONS REGARDING ITS USE OR DISPOSAL. THIS INFORMATION IS GIVEN SOLELY FOR THE PURPOSES OF HEALTH AND SAFETY TO PERSONS AND PROPERTY. ANY OTHER USE OF THIS INFORMATION IS EXPRESSLY PROHIBITED. HEALTH, SAFETY AND ENVIRONMENT DEPARTMENT, HALLIBURTON ENERGY SERVICES.

MATERIAL SAFETY DATA SHEET DATE: 12-30-97
HALLIBURTON ENERGY SERVICES REVISED DATE 01-17-96
DUNCAN, OKLAHOMA 73536

EMERGENCY TELEPHONE: 405/251-4689 OR 405/251-3569
AFTER HOURS: 405/251-3760

* * * * * * * * * * SECTION I - PRODUCT DESCRIPTION * * * * * * * * * * * *

CHEMICAL CODE: SILICALITE ADDITIVE - 50/50 W/ POZMIX PART NUMBER: 516004430
PKG QTY: BULK APPLICATION: CEMENT ADDITIVE
SERVICE USED: CEMENT

* * * * * * * * * * SECTION II - COMPONENT INFORMATION * * * * * * * * * *

COMPONENT+ + + + + + + + +	PERCENT	TLV	PEL
SILICA, AMORPHOUS-FUMED	> 60 %	10 MG/M3	6 MG/M3

* * * * * * * * * * * * SECTION III - PHYSICAL DATA * * * * * * * * * * * * *

PROPERTY	MEASUREMENT
APPEARANCE	BLACK SOLID, POWDER
ODOR	ODORLESS
SPECIFIC GRAVITY (H2O=1)	2.380
BULK DENSITY	26.30 LB/CU.FT.
PH	NOT DETERMINED
SOLUBILITY IN WATER AT 20 DEG C. GMS/100ML H2O	INSOLUBLE
BIODEGRADABILITY	N/A
PERCENT VOLATILES	N/A
EVAPORATION RATE(BUTYL ACETATE=1)	N/A
VAPOR DENSITY	N/A
VAPOR PRESSURE (MMHG)	N/A
BOILING POINT(760 MMHG)	N/A
POUR POINT	N/A
FREEZE POINT	N/A
SOLUBILITY IN SEAWATER	NOT EVALUATED
PARTITION COEF (OCTANOL IN WATER)	NOT EVALUATED

* * * * * * * * * * SECTION IV - FIRE AND EXPLOSION DATA * * * * * * * * * *

NFPA(704) RATING:
HEALTH 0 FLAMMABILITY 0 REACTIVITY 0 SPECIAL NONE
FLASH POINT N/A
AUTOIGNITION TEMPERATURE ND ND
FLAMMABLE LIMITS (OZ. PER CU. FT.) LOWER N/D UPPER N/D
++
EXTINGUISHING MEDIA:
USE MEDIA APPROPRIATE FOR SURROUNDING MATERIALS.
SPECIAL FIRE FIGHTING PROCEDURES:
NOT APPLICABLE.
UNUSUAL FIRE AND EXPLOSION HAZARDS:
NOT APPLICABLE.

* * * * * * * * * * * SECTION V - HEALTH HAZARD DATA * * * * * * * * * * *

CALIFORNIA PROPOSITION 65:
PRODUCT OR PRODUCT COMPONENTS ARE NOT REGULATED UNDER CALIF. PROPOSITION 65.

CARCINOGENIC DETERMINATION:
PRODUCT OR COMPONENTS ARE LISTED AS A POTENTIAL CARCINOGEN
ACCORDING TO : IARC

PRODUCT TOXICITY DATA: TOX ORL-RAT LD50: 3160 MG/KG
TOX IPR-RAT LDLO: 50 MG/KG

PRODUCT TLV: NOT ESTABLISHED

---------- EFFECTS OF EXPOSURE ----------

ROUTES OF EXPOSURE:
EYE OR SKIN CONTACT, INHALATION.
EYE:
DUST MAY CAUSE A MECHANICAL IRRITATION TO THE EYES.
SKIN:
ESSENTIALLY NON-IRRITATING.
INHALATION:
MAY BE IRRITATING.
CONTAINS A SMALL AMOUNT OF CRYSTALLINE SILICA, REPEAT OR PROLONG EXPOSURES MAY CAUSE A DELAYED RESPIRATORY SYSTEM ILLNESS, SILICOSIS. SYMPTOMS INCLUDE SHORTNESS OF BREATH, COUGH, FEVER, WEIGHT LOSS, CHEST PAIN, REDUCTION OF LUNG FUNCTION AND HEART IMPAIRMENT. ONSET OF SYMPTOMS MAY BE DELAYED.
INGESTION:
THIS MATERIAL IS OF VERY LOW ACUTE TOXICITY. THERE IS NO EVIDENCE OF ADVERSE EFFECTS FROM AVAILABLE INFORMATION.
CHRONIC EFFECTS:
CRYSTALLINE SILICA IS NOT ON THE OSHA CARCINOGEN LIST. NTP AND IARC HAVE DETERMINED THERE IS SUFFICIENT EVIDENCE FOR CARCINOGENICITY OF CRYSTALLINE SILICA TO EXPERIMENTAL ANIMALS AND LIMITED EVIDENCE TO HUMANS. "LIMITED EVIDENCE" MEANS POSSIBLE RELATIONSHIP, BUT OTHER FACTORS CANNOT BE EXCLUDED.
OTHER SYMPTOMS AFFECTED:
MAY AGGRAVATE ASTHMA AND INFLAMMATORY OR FIBROTIC PULMONARY DISEASE.

---------- EMERGENCY AND FIRST AID PROCEDURES ----------

EYE:
IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. IF IRRITATION PERSISTS, SEEK PROMPT MEDICAL ATTENTION.
SKIN:
PROMPTLY WASH SKIN WITH SOAP AND WATER. WASH CLOTHING BEFORE REUSE. IF IRRITAION DEVELOPS, SEEK PROMPT MEDICAL ATTENTION.
INHALATION:
REMOVE TO FRESH AIR. IF IRRITATION PERSISTS, SEEK MEDICAL ATTENTION,
INGESTION:
DO NOT INDUCE VOMITING! IN GENERAL, NO TREATMENT IS NECESSARY UNLESS LARGE QUANTITIES ARE INGESTED. HOWEVER, MEDICAL ADVICE SHOULD BE OBTAINED.

* * * * * * * * * * * * SECTION VI - REACTIVITY DATA * * * * * * * * * * * * *

STABILITY: STABLE
CONDITIONS TO AVOID:
NOT APPLICABLE.
INCOMPATIBILITY (MATERIALS TO AVOID):
HYDROGEN FLUORIDE OR HYDROFLUORIC ACID.
HAZARDOUS DECOMPOSITION PRODUCTS:
NONE KNOWN.
HAZARD POLYMERIZATION: WON'T OCCUR
CONDITIONS TO AVOID:
NOT APPLICABLE.

* * * * * * * * * * SECTION VII - SPILL OR LEAK PROCEDURES * * * * * * * * * *

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:
USE PROTECTIVE EQUIPMENT. SWEEP UP AND REMOVE. AVOID CREATING OR INHALING

DUST.

WASTE DISPOSAL METHOD:
IF NOT CONTAMINATED, REUSE PRODUCT.
GET APPROVAL FROM LANDFILL OPERATOR AND TRANSPORT TO SANITARY LANDFILL.

* * * * * * * * * SECTION VIII - SPECIAL PROTECTION INFORMATION * * * * * * * *

RESPIRATORY PROTECTION (USE NIOSH/MSHA APPROVED EQUIPMENT):
TOXIC DUST/MIST RESPIRATOR.
VENTILATION:
USE ONLY WITH ADEQUATE VENTILATION. LOCAL EXHAUST VENTILATION SHOULD BE USED IN DUSTY ENVIRONMENTS.
PROTECTIVE GLOVES:
NORMAL WORK GLOVES.
EYE PROTECTION:
DUST PROOF GOGGLES.
OTHER PROTECTIVE EQUIPMENT:
NORMAL WORK COVERALLS.

* * * * * * * * * * * * SECTION IX - SPECIAL PRECAUTIONS * * * * * * * * * * * *

PRECAUTIONARY LABELING SILICALITE ADDITIVE - 50/50 W/ POZMIX 516.004430

WARNING!
CONTAINS A SMALL AMOUNT OF CRYSTALLINE SILICA, REPEATED OR PROLONGED INHALATION OF DUST MAY CAUSE A DELAYED RESPIRATORY ILLNESS (SILICOSIS). THE INTERNATIONAL AGENCY FOR RESEARCH ON CANCER (IARC) AND NTP HAVE DETERMINED THERE IS LIMITED EVIDENCE OF THE CARCINOGENICITY OF CRYSTALLINE SILICA.
MAY CAUSE RESPIRATORY IRRITATION.
DUST MAY CAUSE A MECHANICAL IRRITATION TO THE EYES.
FOR PRECAUTIONARY STATEMENTS, REFER TO SECTIONS IV-VIII.
OTHER HANDLING AND STORAGE CONDITIONS:
STORE IN DRY LOCATION TO PROTECT PRODUCT QUALITY. REQUIRES COVERED STORAGE.
AVOID CREATING OR INHALING DUST.
CONTAINER DISPOSITION:
EMPTY CONTAINER COMPLETELY. TRANSPORT CONTAINER WITH ALL CLOSURES IN PLACE. RETURN FOR REUSE OR DISPOSE IN A SANITARY LANDFILL BY FIRST OBTAINING LANDFILL OPERATOR'S AUTHORIZATION.

* * * * * * * * * * SECTION X - TRANSPORTATION INFORMATION * * * * * * * * * *

DOT SHIPPING DESCRIPTION:
NOT RESTRICTED

* * * * * * * * * * SECTION XI - ENVIRONMENTAL EVALUATION * * * * * * * * * *

EPA SUPERFUND(SARA) TITLE III - HAZARD CLASSIFICATION & ASSOCIATED INFORMATION
FIRE: N PRESSURE: N REACTIVE: N ACUTE (IMMEDIATE): Y
CHRONIC (DELAYED): Y MIXTURE OR PURE MATERIAL: MIX

B. EPA - CERCLA/SUPERFUND, 40 CFR 302 (REPORTABLE SPILL QUANTITY)
N/A N/A

C. EPA - SARA TITLE III, CFR 355 (EXTREMELY HAZARDOUS SUBSTANCES)
PRODUCT CONTAINS NO EXTREMELY HAZARDOUS COMPONENTS

D. EPA - SARA TITLE III, 40 CFR 372 (LIST OF TOXIC CHEMICALS)
CHEMICAL CONTAINS NO TOXIC INGREDIENTS

E. COMPONENTS LISTED ON FOLLOWING CHEMICAL INVENTORIES
TSCA YES CEPA NE EEC N/D ACOIN N/D NPR NE DRSH NE

H. EPA - RCRA (HAZARDOUS WASTE), 40 CFR 261

...IF PRODUCT BECOMES A WASTE, IT DOES NOT MEET THE CRITERIA OF A HAZARDOUS WASTE

* *

THE INFORMATION WHICH IS CONTAINED IN THIS DOCUMENT IS BASED UPON AVAILABLE DATA AND BELIEVED TO BE CORRECT. HOWEVER, AS SUCH AS IT HAS BEEN OBTAINED FROM VARIOUS SOURCES, INCLUDING THE MANUFACTURER AND INDEPENDENT LABORATORIES, IT IS GIVEN WITHOUT WARRANTY OR REPRESENTATION THAT IT IS COMPLETE, ACCURATE AND CAN BE RELIED UPON. HALLIBURTON HAS NOT ATTEMPTED TO CONCEAL IN ANY WAY THE DELETERIOUS ASPECTS OF THE PRODUCT LISTED HEREIN, BUT MAKES NO WARRANTY AS TO SUCH. FURTHER, AS HALLIBURTON CANNOT ANTICIPATE NOR CONTROL THE MANY SITUATIONS IN WHICH THE LISTED PRODUCT OR THIS INFORMATION MAY BE USED BY OUR CUSTOMER, THERE IS NO GUARANTEE THAT THE HEALTH AND SAFETY PRECAUTIONS SUGGESTED WILL BE PROPER UNDER ALL CONDITIONS. IT IS THE SOLE RESPONSIBILITY OF EACH USER OF THE LISTED PRODUCT TO DETERMINE AND COMPLY WITH THE REQUIREMENTS OF ALL APPLICABLE LAWS AND REGULATIONS REGARDING ITS USE OR DISPOSAL. THIS INFORMATION IS GIVEN SOLELY FOR THE PURPOSES OF HEALTH AND SAFETY TO PERSONS AND PROPERTY. ANY OTHER USE OF THIS INFORMATION IS EXPRESSLY PROHIBITED. HEALTH, SAFETY AND ENVIRONMENT DEPARTMENT, HALLIBURTON ENERGY SERVICES.

MATERIAL SAFETY DATA SHEET DATE: 12-30-97
HALLIBURTON ENERGY SERVICES REVISED DATE 08-20-97
DUNCAN, OKLAHOMA 73536

EMERGENCY TELEPHONE: 405/251-4689 OR 405/251-3569
AFTER HOURS: 405/251-3760

* * * * * * * * * * * SECTION I - PRODUCT DESCRIPTION * * * * * * * * * * * *

CHEMICAL CODE: HALAD(R) 9 CEMENT ADDITIVE PART NUMBER: 070155560
PKG QTY: 50 LB BAG APPLICATION: LOW FLUID LOSS ADDITIVE
SERVICE USED: CEMENT

* * * * * * * * * * * SECTION II - COMPONENT INFORMATION * * * * * * * * * * *

COMPONENT+ + + + + + + + +	PERCENT	TLV	PEL
CONDENSATE OF SULFONATED ORGANIC SALT	31-60 %	10 MG/M3	15 MG/M3

* * * * * * * * * * * * * SECTION III - PHYSICAL DATA * * * * * * * * * * * * * *

PROPERTY	MEASUREMENT
APPEARANCE	TAN SOLID POWDER
ODOR	ODORLESS
SPECIFIC GRAVITY (H2O=1)	1.220
BULK DENSITY	37.20 LB/CU.FT.
PH	5.5
SOLUBILITY IN WATER AT 20 DEG C. GMS/100ML H2O	10
BIODEGRADABILITY	READILY
PERCENT VOLATILES	N/A
EVAPORATION RATE(BUTYL ACETATE=1)	N/A
VAPOR DENSITY	N/A
VAPOR PRESSURE (MMHG)	N/A
BOILING POINT(760 MMHG)	N/A
POUR POINT	N/A
FREEZE POINT	N/A
SOLUBILITY IN SEAWATER	FORMS GEL
PARTITION COEF (OCTANOL IN WATER)	NOT EVALUATED

* * * * * * * * * * SECTION IV - FIRE AND EXPLOSION DATA * * * * * * * * * * *

NFPA(704) RATING:
HEALTH 0 FLAMMABILITY 0 REACTIVITY 0 SPECIAL NONE

FLASH POINT	N/A			
AUTOIGNITION TEMPERATURE	ND	ND		
FLAMMABLE LIMITS (% BY VOLUME)	LOWER	N/D	UPPER	N/D

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EXTINGUISHING MEDIA:
USE WATER SPRAY, FOAM, DRY CHEMICAL, OR CARBON DIOXIDE.
SPECIAL FIRE FIGHTING PROCEDURES:
AVOID CREATING DUST CLOUDS WITH EXTINGUISHERS.
FULL PROTECTIVE CLOTHING AND NIOSH/MSHA APPROVED SELF-CONTAINED BREATHING APPARATUS REQUIRED FOR FIRE FIGHTING PERSONNEL.
UNUSUAL FIRE AND EXPLOSION HAZARDS:
INCOMPLETE THERMAL DECOMPOSITION MAY PRODUCE CARBON DIOXIDE, CARBON MONOXIDE AND SULFUR OXIDES.
ORGANIC DUST IN THE PRESENCE OF A SOURCE OF IGNITION CARRIES A POTENTIAL EXPLOSION HAZARD IF THE CONCENTRATION IN THE AIR IS TOO HIGH. GOOD

[illegible] ARE REQUIRED TO MINIMIZE THIS POTENTIAL HAZARD.

* * * * * * * * * * * SECTION V - HEALTH HAZARD DATA * * * * * * * * * * * *

CALIFORNIA PROPOSITION 65:
PRODUCT OR PRODUCT COMPONENTS ARE NOT REGULATED UNDER CALIF. PROPOSITION 65.

CARCINOGENIC DETERMINATION:
PRODUCT OR COMPONENTS ARE NOT LISTED AS A POTENTIAL CARCINOGEN
ACCORDING TO : "NTP, IARC, OSHA, OR, ACIGH".

PRODUCT TOXICITY DATA: AQU TLM96: >3300 PPM(BROWN SHRIMP)

PRODUCT TLV: NUISANCE: 10 MG/M3(T)

---------- EFFECTS OF EXPOSURE ----------
ROUTES OF EXPOSURE:
EYE OR SKIN CONTACT, INHALATION.
EYE:
DUST MAY CAUSE SEVERE EYE IRRITATION.
SKIN:
DUST MAY CAUSE MILD SKIN IRRITATION.
INHALATION:
MAY BE IRRITATING.
INGESTION:
NO DATA AVAILABLE
CHRONIC EFFECTS:
NO CHRONIC EFFECTS EXPECTED.
OTHER SYMPTOMS AFFECTED:
A REVIEW OF AVAILABLE DATA DOES NOT IDENTIFY ANY CONDITIONS WORSENED BY EXPOSURE TO THIS PRODUCT.
---------- EMERGENCY AND FIRST AID PROCEDURES ----------
EYE:
IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. IF IRRITATION PERSISTS, SEEK PROMPT MEDICAL ATTENTION.
SKIN:
IMMEDIATELY FLUSH SKIN WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES WHILE REMOVING CONTAMINATED CLOTHING AND SHOES. IF IRRITATION PERSISTS, SEEK PROMPT MEDICAL ATTENTION. WASH CLOTHING BEFORE REUSE.
INHALATION:
REMOVE TO FRESH AIR. IF IRRITATION PERSISTS, SEEK MEDICAL ATTENTION.
INGESTION:
DO NOT INDUCE VOMITING! IN GENERAL, NO TREATMENT IS NECESSARY UNLESS LARGE QUANTITIES ARE INGESTED. HOWEVER, MEDICAL ADVICE SHOULD BE OBTAINED.

* * * * * * * * * * * * SECTION VI - REACTIVITY DATA * * * * * * * * * * * * *

STABILITY: STABLE
CONDITIONS TO AVOID:
NOT APPLICABLE.
INCOMPATIBILITY (MATERIALS TO AVOID):
STRONG OXIDIZERS.
HAZARDOUS DECOMPOSITION PRODUCTS:
OXIDES OF SULFUR, CARBON DIOXIDE AND/OR CARBON MONOXIDE.
HAZARD POLYMERIZATION: WON"T OCCUR
CONDITIONS TO AVOID:
NOT APPLICABLE.

* * * * * * * * * SECTION VII - SPILL OR LEAK PROCEDURES * * * * * * * * *

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:
USE PROTECTIVE EQUIPMENT. SWEEP UP AND REMOVE. AVOID CREATING OR INHALING DUST.

IF NOT CONTAMINATED, REUSE PRODUCT.
GET APPROVAL FROM LANDFILL OPERATOR AND TRANSPORT TO SANITARY LANDFILL.

* * * * * * * * * SECTION VIII - SPECIAL PROTECTION INFORMATION * * * * * * * *

RESPIRATORY PROTECTION (USE NIOSH/MSHA APPROVED EQUIPMENT):
TOXIC DUST/MIST RESPIRATOR.
VENTILATION:
USE ONLY WITH ADEQUATE VENTILATION.
PROTECTIVE GLOVES:
NORMAL WORK GLOVES.
EYE PROTECTION:
DUST PROOF GOGGLES.
OTHER PROTECTIVE EQUIPMENT:
NORMAL WORK COVERALLS.

* * * * * * * * * * * * SECTION IX - SPECIAL PRECAUTIONS * * * * * * * * * * * *

PRECAUTIONARY LABELING HALAD(R) 9 CEMENT ADDITIVE 070.155560

WARNING!
MAY CAUSE ALLERGIC RESPIRATORY REACTION IN SUSCEPTIBLE INDIVIDUALS.
MAY CAUSE SKIN AND RESPIRATORY IRRITATION.
MAY CAUSE SEVERE EYE IRRITATION.
AIRBORNE DUST MAY BE EXPLOSIVE!
PRODUCT IS VERY SLIPPERY WHEN WET! DO NOT SPREAD WITH WATER.
FOR PRECAUTIONARY STATEMENTS, REFER TO SECTIONS IV-VIII.
OTHER HANDLING AND STORAGE CONDITIONS:
STORE AWAY FROM OXIDIZERS.
STORE IN DRY LOCATION TO PROTECT PRODUCT QUALITY. REQUIRES COVERED STORAGE.
AVOID CREATING OR INHALING DUST.
CONTAINER DISPOSITION:
EMPTY CONTAINER COMPLETELY. TRANSPORT CONTAINER WITH ALL CLOSURES IN PLACE.
RETURN FOR REUSE OR DISPOSE IN A SANITARY LANDFILL BY FIRST OBTAINING
LANDFILL OPERATOR'S AUTHORIZATION.

* * * * * * * * * * SECTION X - TRANSPORTATION INFORMATION * * * * * * * * * *

DOT SHIPPING DESCRIPTION:
NOT RESTRICTED

* * * * * * * * * * SECTION XI - ENVIRONMENTAL EVALUATION * * * * * * * * * *

EPA SUPERFUND(SARA) TITLE III - HAZARD CLASSIFICATION & ASSOCIATED INFORMATION
FIRE: N PRESSURE: N REACTIVE: N ACUTE (IMMEDIATE): Y
CHRONIC (DELAYED): N MIXTURE OR PURE MATERIAL: MIX

B. EPA - CERCLA/SUPERFUND, 40 CFR 302 (REPORTABLE SPILL QUANTITY)
N/A

C. EPA - SARA TITLE III, CFR 355 (EXTREMELY HAZARDOUS SUBSTANCES)
PRODUCT CONTAINS NO EXTREMELY HAZARDOUS COMPONENTS

D. EPA - SARA TITLE III, 40 CFR 372 (LIST OF TOXIC CHEMICALS)
CHEMICAL CONTAINS NO TOXIC INGREDIENTS

E. COMPONENTS LISTED ON FOLLOWING CHEMICAL INVENTORIES
TSCA YES CEPA YES EEC NO ACOIN N/D NPR NE DRSM NE

H. EPA - RCRA (HAZARDOUS WASTE), 40 CFR 261

IF PRODUCT BECOMES A WASTE, IT DOES NOT MEET THE CRITERIA OF A

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MATERIAL SAFETY DATA SHEET DATE: 12-30-97
HALLIBURTON ENERGY SERVICES REVISED DATE 01-17-96
DUNCAN, OKLAHOMA 73536

EMERGENCY TELEPHONE: 405/251-4689 OR 405/251-3569
AFTER HOURS: 405/251-3760

* * * * * * * * * * * SECTION I - PRODUCT DESCRIPTION * * * * * * * * * * * *

CHEMICAL CODE: CFR-3 CEMENT FRICTION REDUCER DEFOAM PART NUMBER: 516002950
PKG QTY: 50 LB BAG APPLICATION: DISPERSANT FOR SALT CEMENT
SERVICE USED: CEMENT

* * * * * * * * * * * SECTION II - COMPONENT INFORMATION * * * * * * * * * * *

COMPONENT+ + + + + + + + +	PERCENT	TLV	PEL
SULFONIC ACID SALT	› 60 %	NOT EST	NOT EST
SILICA, AMORPHOUS-DIATOMACEOUS EARTH	1-10 %	10 MG/M3	6 MG/M3

* * * * * * * * * * * * * SECTION III - PHYSICAL DATA * * * * * * * * * * * * * *

PROPERTY	MEASUREMENT
APPEARANCE	DARK RED SOLID, POWDER
ODOR	MUSTY
SPECIFIC GRAVITY (H2O=1)	1.290
BULK DENSITY	38.00 LB/CU.FT.
PH	7
SOLUBILITY IN WATER AT 20 DEG C. GMS/100ML H2O	SOLUBLE
BIODEGRADABILITY	N/D
PERCENT VOLATILES	0
EVAPORATION RATE(BUTYL ACETATE=1)	N/A
VAPOR DENSITY	N/A
VAPOR PRESSURE (MMHG)	N/A
BOILING POINT(760 MMHG)	N/A
POUR POINT	N/A
FREEZE POINT	N/A
SOLUBILITY IN SEAWATER	› 600,000
PARTITION COEF (OCTANOL IN WATER)	NOT EVALUATED

* * * * * * * * * * SECTION IV - FIRE AND EXPLOSION DATA * * * * * * * * * * *

NFPA(704) RATING:
HEALTH 1 FLAMMABILITY 0 REACTIVITY 0 SPECIAL NONE
FLASH POINT N/A
AUTOIGNITION TEMPERATURE ND ND
FLAMMABLE LIMITS (OZ. PER CU. FT.) LOWER N/D UPPER N/D

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EXTINGUISHING MEDIA:
USE WATER SPRAY, FOAM, DRY CHEMICAL, OR CARBON DIOXIDE.
SPECIAL FIRE FIGHTING PROCEDURES:
AVOID CREATING DUST CLOUDS WITH EXTINGUISHERS.
UNUSUAL FIRE AND EXPLOSION HAZARDS:
INCOMPLETE THERMAL DECOMPOSITION MAY PRODUCE CARBON DIOXIDE, CARBON MONOXIDE AND SULFUR OXIDES.
ORGANIC DUST IN THE PRESENCE OF A SOURCE OF IGNITION CARRIES A POTENTIAL EXPLOSION HAZARD IF THE CONCENTRATION IN THE AIR IS TOO HIGH. GOOD HOUSEKEEPING PROCEDURES ARE REQUIRED TO MINIMIZE THIS POTENTIAL HAZARD.

* * * * * * * * * * * * SECTION V - HEALTH HAZARD DATA * * * * * * * * * * * *

CALIFORNIA PROPOSITION 65:
PRODUCT OR PRODUCT COMPONENTS ARE REGULATED UNDER CALIF. PROPOSITION 65.

CARCINOGENIC DETERMINATION:
PRODUCT OR COMPONENTS ARE NOT LISTED AS A POTENTIAL CARCINOGEN
ACCORDING TO : "NTP, IARC, OSHA, OR, ACIGH".

PRODUCT TOXICITY DATA: AQU TLM96: >3300 PPM (BROWN SHRIMP)

PRODUCT TLV: 10 MG/M3 (T); 5 MG/M3 (R)

---------- EFFECTS OF EXPOSURE ----------

ROUTES OF EXPOSURE:
EYE OR SKIN CONTACT, INHALATION.

EYE:
DUST MAY CAUSE MILD EYE IRRITATION.

SKIN:
ESSENTIALLY NON-IRRITATING.

INHALATION:
MAY BE IRRITATING.
TREAT AS NUISANCE DUST.

INGESTION:
NO DATA AVAILABLE

CHRONIC EFFECTS:
NO CHRONIC EFFECTS EXPECTED.

OTHER SYMPTOMS AFFECTED:
A REVIEW OF AVAILABLE DATA DOES NOT IDENTIFY ANY CONDITIONS WORSENED BY EXPOSURE TO THIS PRODUCT.

---------- EMERGENCY AND FIRST AID PROCEDURES ----------

EYE:
IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. IF IRRITATION PERSISTS, SEEK PROMPT MEDICAL ATTENTION.

SKIN:
PROMPTLY WASH SKIN WITH SOAP AND WATER. WASH CLOTHING BEFORE REUSE. IF IRRITAION DEVELOPS, SEEK PROMPT MEDICAL ATTENTION.

INHALATION:
REMOVE TO FRESH AIR. IF IRRITATION PERSISTS, SEEK MEDICAL ATTENTION.

INGESTION:
DO NOT INDUCE VOMITING! GIVE UP TO TWO (2) QUARTS OF WATER TO DILUTE. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. SEEK MEDICAL ATTENTION.

* * * * * * * * * * * * SECTION VI - REACTIVITY DATA * * * * * * * * * * * * *

STABILITY: STABLE

CONDITIONS TO AVOID:
NOT APPLICABLE.

INCOMPATIBILITY (MATERIALS TO AVOID):
STRONG OXIDIZERS.

HAZARDOUS DECOMPOSITION PRODUCTS:
OXIDES OF SULFUR, CARBON DIOXIDE AND/OR CARBON MONOXIDE.

HAZARD POLYMERIZATION: WON'T OCCUR

CONDITIONS TO AVOID:
NOT APPLICABLE.

* * * * * * * * * * SECTION VII - SPILL OR LEAK PROCEDURES * * * * * * * * * *

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:
USE PROTECTIVE EQUIPMENT. SWEEP UP AND REMOVE. AVOID CREATING OR INHALING DUST.

WASTE DISPOSAL METHOD:
IF NOT CONTAMINATED, REUSE PRODUCT.
GET APPROVAL FROM LANDFILL OPERATOR AND TRANSPORT TO SANITARY LANDFILL.

* * * * * * * * * SECTION VIII - SPECIAL PROTECTION INFORMATION * * * * * * * *

RESPIRATORY PROTECTION (USE NIOSH/MSHA APPROVED EQUIPMENT):
NOT NORMALLY NECESSARY.
TOXIC DUST/MIST RESPIRATOR.
VENTILATION:
USE ONLY WITH ADEQUATE VENTILATION.
PROTECTIVE GLOVES:
NORMAL WORK GLOVES.
EYE PROTECTION:
GOGGLES OR SAFETY GLASSES.
OTHER PROTECTIVE EQUIPMENT:
NORMAL WORK COVERALLS.

* * * * * * * * * * * * SECTION IX - SPECIAL PRECAUTIONS * * * * * * * * * * *

PRECAUTIONARY LABELING CFR-3 CEMENT FRICTION REDUCER DEFOAM 516.002950

WARNING!
CAUTION!
IRRITATING TO THE EYES, SKIN AND RESPIRATORY SYSTEM.
TREAT AS NUISANCE DUST.
AIRBORNE DUST MAY BE EXPLOSIVE!
PRODUCT IS VERY SLIPPERY WHEN WET! DO NOT SPREAD WITH WATER.
FOR PRECAUTIONARY STATEMENTS, REFER TO SECTIONS IV-VIII.
OTHER HANDLING AND STORAGE CONDITIONS:
STORE AWAY FROM OXIDIZERS.
STORE IN DRY LOCATION TO PROTECT PRODUCT QUALITY. REQUIRES COVERED STORAGE.
AVOID CREATING OR INHALING DUST.
CONTAINER DISPOSITION:
EMPTY CONTAINER COMPLETELY. TRANSPORT CONTAINER WITH ALL CLOSURES IN PLACE.
RETURN FOR REUSE OR DISPOSE IN A SANITARY LANDFILL BY FIRST OBTAINING
LANDFILL OPERATOR'S AUTHORIZATION.

* * * * * * * * * * SECTION X - TRANSPORTATION INFORMATION * * * * * * * * * *

DOT SHIPPING DESCRIPTION:
NOT RESTRICTED

* * * * * * * * * * SECTION XI - ENVIRONMENTAL EVALUATION * * * * * * * * * *

EPA SUPERFUND(SARA) TITLE III - HAZARD CLASSIFICATION & ASSOCIATED INFORMATION
FIRE: N PRESSURE: N REACTIVE: N ACUTE (IMMEDIATE): Y
CHRONIC (DELAYED): N MIXTURE OR PURE MATERIAL: PURE

B. EPA - CERCLA/SUPERFUND, 40 CFR 302 (REPORTABLE SPILL QUANTITY)
N/A

C. EPA - SARA TITLE III, CFR 355 (EXTREMELY HAZARDOUS SUBSTANCES)
PRODUCT CONTAINS NO EXTREMELY HAZARDOUS COMPONENTS

D. EPA - SARA TITLE III, 40 CFR 372 (LIST OF TOXIC CHEMICALS)
CHEMICAL CONTAINS NO TOXIC INGREDIENTS

E. COMPONENTS LISTED ON FOLLOWING CHEMICAL INVENTORIES
TSCA YES CEPA NE EEC N/D ACDIN N/D NPR NE DRSM NE

H. EPA - RCRA (HAZARDOUS WASTE), 40 CFR 261

IF PRODUCT BECOMES A WASTE, IT DOES NOT MEET THE CRITERIA OF A HAZARDOUS WASTE

* *

THE INFORMATION WHICH IS CONTAINED IN THIS DOCUMENT IS BASED UPON AVAILABLE DATA AND BELIEVED TO BE CORRECT. HOWEVER, AS SUCH AS IT HAS BEEN OBTAINED FROM VARIOUS SOURCES, INCLUDING THE MANUFACTURER AND INDEPENDENT LABORATORIES, IT IS GIVEN WITHOUT WARRANTY OR REPRESENTATION THAT IT IS COMPLETE, ACCURATE AND CAN BE RELIED UPON. HALLIBURTON HAS NOT ATTEMPTED TO CONCEAL IN ANY WAY THE DELETERIOUS ASPECTS OF THE PRODUCT LISTED HEREIN, BUT MAKES NO WARRANTY AS TO SUCH. FURTHER, AS HALLIBURTON CANNOT ANTICIPATE NOR CONTROL THE MANY SITUATIONS IN WHICH THE LISTED PRODUCT OR THIS INFORMATION MAY BE USED BY OUR CUSTOMER, THERE IS NO GUARANTEE THAT THE HEALTH AND SAFETY PRECAUTIONS SUGGESTED WILL BE PROPER UNDER ALL CONDITIONS. IT IS THE SOLE RESPONSIBILITY OF EACH USER OF THE LISTED PRODUCT TO DETERMINE AND COMPLY WITH THE REQUIREMENTS OF ALL APPLICABLE LAWS AND REGULATIONS REGARDING ITS USE OR DISPOSAL. THIS INFORMATION IS GIVEN SOLELY FOR THE PURPOSES OF HEALTH AND SAFETY TO PERSONS AND PROPERTY. ANY OTHER USE OF THIS INFORMATION IS EXPRESSLY PROHIBITED. HEALTH, SAFETY AND ENVIRONMENT DEPARTMENT, HALLIBURTON ENERGY SERVICES.

MATERIAL SAFETY DATA SHEET DATE: 12-30-97
HALLIBURTON ENERGY SERVICES REVISED DATE 01-17-96
DUNCAN, OKLAHOMA 73536

EMERGENCY TELEPHONE: 405/251-4689 OR 405/251-3569
AFTER HOURS: 405/251-3760

* * * * * * * * * * SECTION I - PRODUCT DESCRIPTION * * * * * * * * * * * *

CHEMICAL CODE: GILSONITE(R) RESIN - BULK PART NUMBER: 516003370
PKG QTY: BULK APPLICATION: LOST CIRC & LT WT ADDITIVE
SERVICE USED: CEMENTING

* * * * * * * * * * SECTION II - COMPONENT INFORMATION * * * * * * * * * *

COMPONENT+ + + + + + + + +	PERCENT	TLV	PEL
NATURAL ASPHALT	> 60 %	10 MG/M3	15 MG/M3

* * * * * * * * * * * * SECTION III - PHYSICAL DATA * * * * * * * * * * * * * *

PROPERTY	MEASUREMENT
APPEARANCE	DARK-BROWN SOLID
ODOR	ASPHALTIC
SPECIFIC GRAVITY (H2O=1)	1.050
BULK DENSITY	65.55 LB/CU.FT.
PH	5.8
SOLUBILITY IN WATER AT 20 DEG C. GMS/100ML H2O	NIL
BIODEGRADABILITY	SLOWLY
PERCENT VOLATILES	2
EVAPORATION RATE(BUTYL ACETATE=1)	N/A
VAPOR DENSITY	N/A
VAPOR PRESSURE (MMHG)	N/D
BOILING POINT(760 MMHG)	N/A
POUR POINT	N/A
FREEZE POINT	N/A
SOLUBILITY IN SEAWATER	NOT EVALUATED
PARTITION COEF (OCTANOL IN WATER)	NOT EVALUATED

* * * * * * * * * * SECTION IV - FIRE AND EXPLOSION DATA * * * * * * * * * *

NFPA(704) RATING:
HEALTH 0 FLAMMABILITY 1 REACTIVITY 1 SPECIAL NONE
FLASH POINT 599 F / 315 C FLASH MTHD COC
AUTOIGNITION TEMPERATURE ND ND
FLAMMABLE LIMITS (OZ. PER CU. FT.) LOWER 0.020 UPPER N/D

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EXTINGUISHING MEDIA:
USE WATER SPRAY, FOAM, DRY CHEMICAL, OR CARBON DIOXIDE.
SPECIAL FIRE FIGHTING PROCEDURES:
FULL PROTECTIVE CLOTHING AND NIOSH/MSHA APPROVED SELF-CONTAINED BREATHING APPARATUS REQUIRED FOR FIRE FIGHTING PERSONNEL.
UNUSUAL FIRE AND EXPLOSION HAZARDS:
INCOMPLETE THERMAL DECOMPOSITION MAY PRODUCE TOXIC GASES.
ORGANIC DUST IN THE PRESENCE OF A SOURCE OF IGNITION CARRIES A POTENTIAL EXPLOSION HAZARD IF THE CONCENTRATION IN THE AIR IS TOO HIGH. GOOD HOUSEKEEPING PROCEDURES ARE REQUIRED TO MINIMIZE THIS POTENTIAL HAZARD.

* * * * * * * * * * * * SECTION V - HEALTH HAZARD DATA * * * * * * * * * * * *

CALIFORNIA PROPOSITION 65:
PRODUCT OR PRODUCT COMPONENTS ARE NOT REGULATED UNDER CALIF. PROPOSITION 65.

CARCINOGENIC DETERMINATION:
PRODUCT OR COMPONENTS ARE NOT LISTED AS A POTENTIAL CARCINOGEN
ACCORDING TO : "NTP, IARC, OSHA, OR, ACIGH".

PRODUCT TOXICITY DATA: TOX DETAILED STUDIES AVAILABLE UPON REQUEST

PRODUCT TLV: 10 MG/M3 (N)

---------- EFFECTS OF EXPOSURE ----------

ROUTES OF EXPOSURE:
EYE OR SKIN CONTACT, INHALATION.
EYE:
DUST MAY CAUSE A MECHANICAL IRRITATION TO THE EYES.
SKIN:
MAY CAUSE MILD IRRITATION.
INHALATION:
MAY BE IRRITATING.
INGESTION:
NO DATA AVAILABLE
CHRONIC EFFECTS:
NO SPECIFIC INFORMATION IS AVAILABLE ON THE CHRONIC EFFECTS OF EXPOSURE.
OTHER SYMPTOMS AFFECTED:
A REVIEW OF AVAILABLE DATA DOES NOT IDENTIFY ANY CONDITIONS WORSENED BY EXPOSURE TO THIS PRODUCT.

---------- EMERGENCY AND FIRST AID PROCEDURES ----------

EYE:
IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. IF IRRITATION PERSISTS, SEEK PROMPT MEDICAL ATTENTION.
SKIN:
PROMPTLY WASH SKIN WITH SOAP AND WATER.
INHALATION:
REMOVE TO FRESH AIR. IF IRRITATION PERSISTS, SEEK MEDICAL ATTENTION.
INGESTION:
DO NOT INDUCE VOMITING! GIVE UP TO TWO (2) QUARTS OF WATER TO DILUTE. NEVER GIVE ANYTHING BY MOUTH TO AN UNCONSCIOUS PERSON. SEEK MEDICAL ATTENTION.

* * * * * * * * * * * * SECTION VI - REACTIVITY DATA * * * * * * * * * * * *

STABILITY: STABLE
CONDITIONS TO AVOID:
NOT APPLICABLE.
INCOMPATIBILITY (MATERIALS TO AVOID):
STRONG OXIDIZERS.
HAZARDOUS DECOMPOSITION PRODUCTS:
CARBON DIOXIDE AND/OR CARBON MONOXIDE AND UNIDENTIFIED HYDROCARBON VAPORS.
HAZARD POLYMERIZATION: WON'T OCCUR
CONDITIONS TO AVOID:
NOT APPLICABLE.

* * * * * * * * * * SECTION VII - SPILL OR LEAK PROCEDURES * * * * * * * * * *

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:
USE PROTECTIVE EQUIPMENT. SWEEP UP AND REMOVE. AVOID CREATING OR INHALING DUST.
WASTE DISPOSAL METHOD:
IF NOT CONTAMINATED, REUSE PRODUCT.

GET APPROVAL FROM LANDFILL OPERATOR AND TRANSPORT ABSORBED MATERIAL TO SANITARY LANDFILL.

* * * * * * * * * SECTION VIII - SPECIAL PROTECTION INFORMATION * * * * * * * *

RESPIRATORY PROTECTION (USE NIOSH/MSHA APPROVED EQUIPMENT):
NOT NORMALLY NECESSARY.
TOXIC DUST/MIST RESPIRATOR.
VENTILATION:
USE ONLY WITH ADEQUATE VENTILATION.
PROTECTIVE GLOVES:
NORMAL WORK GLOVES.
EYE PROTECTION:
DUST PROOF GOGGLES.
OTHER PROTECTIVE EQUIPMENT:
NORMAL WORK COVERALLS.

* * * * * * * * * * * * SECTION IX - SPECIAL PRECAUTIONS * * * * * * * * * * * *

PRECAUTIONARY LABELING GILSONITE(R) RESIN - BULK 516.003370

CAUTION!
MAY CAUSE IRRITATION TO THE EYES, SKIN OR RESPIRATORY SYSTEM.
FOR PRECAUTIONARY STATEMENTS, REFER TO SECTIONS IV-VIII.
OTHER HANDLING AND STORAGE CONDITIONS:
STORE IN DRY LOCATION TO PROTECT PRODUCT QUALITY. REQUIRES COVERED STORAGE.
AVOID CREATING OR INHALING DUST.
AVOID CONTACT WITH SKIN, EYES AND CLOTHING.
CONTAINER DISPOSITION:
EMPTY CONTAINER COMPLETELY. TRANSPORT CONTAINER WITH ALL CLOSURES IN PLACE. RETURN FOR REUSE OR DISPOSE IN A SANITARY LANDFILL BY FIRST OBTAINING LANDFILL OPERATOR'S AUTHORIZATION.

* * * * * * * * * * SECTION X - TRANSPORTATION INFORMATION * * * * * * * * * *

DOT SHIPPING DESCRIPTION:
NOT RESTRICTED

* * * * * * * * * * SECTION XI - ENVIRONMENTAL EVALUATION * * * * * * * * * *

EPA SUPERFUND(SARA) TITLE III - HAZARD CLASSIFICATION & ASSOCIATED INFORMATION
FIRE: N PRESSURE: N REACTIVE: N ACUTE (IMMEDIATE): Y
CHRONIC (DELAYED): N MIXTURE OR PURE MATERIAL: MIX

B. EPA - CERCLA/SUPERFUND, 40 CER 302 (REPORTABLE SPILL QUANTITY)
N/A

C. EPA - SARA TITLE III, CFR 355 (EXTREMELY HAZARDOUS SUBSTANCES)
PRODUCT CONTAINS NO EXTREMELY HAZARDOUS COMPONENTS

D. EPA - SARA TITLE III, 40 CFR 372 (LIST OF TOXIC CHEMICALS)
CHEMICAL CONTAINS NO TOXIC INGREDIENTS

E. COMPONENTS LISTED ON FOLLOWING CHEMICAL INVENTORIES
TSCA YES CEPA NE EEC N/D ACOIN N/D NPR NE ORSM NE

H. EPA - RCRA (HAZARDOUS WASTE), 40 CFR 261

IF PRODUCT BECOMES A WASTE, IT DOES NOT MEET THE CRITERIA OF A HAZARDOUS WASTE

* *

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MATERIAL SAFETY DATA SHEET DATE: 12-30-97
HALLIBURTON ENERGY SERVICES REVISED DATE 08-19-97
DUNCAN, OKLAHOMA 73536

EMERGENCY TELEPHONE: 405/251-4689 OR 405/251-3569
AFTER HOURS: 405/251-3760

* * * * * * * * * * SECTION I - PRODUCT DESCRIPTION * * * * * * * * * * * *

CHEMICAL CODE: HALAD(R) 344 CEMENT ADDITIVE PART NUMBER: 516002270
PKG QTY: 50 LB BAG APPLICATION: FLUID LOSS ADDITIVE
SERVICE USED: CEMENT

* * * * * * * * * * SECTION II - COMPONENT INFORMATION * * * * * * * * * *

COMPONENT+ + + + + + + + +	PERCENT	TLV	PEL
MODIFIED ACRYLAMIDE COPOLYMER	> 60 %	10 MG/M3	15 MG/M3

* * * * * * * * * * * * SECTION III - PHYSICAL DATA * * * * * * * * * * * * *

PROPERTY	MEASUREMENT
APPEARANCE	WHITE TO OFF-WHITE SOLID POWDER
ODOR	ODORLESS
SPECIFIC GRAVITY (H2O=1)	1.220
BULK DENSITY	26.00 LB/CU.FT.
PH	NOT DETERMINED
SOLUBILITY IN WATER AT	
20 DEG C. GMS/100ML H20	SOLUBLE
BIODEGRADABILITY	N/D
PERCENT VOLATILES	<5
EVAPORATION RATE(BUTYL ACETATE=1)	N/D
VAPOR DENSITY	N/A
VAPOR PRESSURE (MMHG)	N/D
BOILING POINT(760 MMHG)	N/D
POUR POINT	N/A
FREEZE POINT	N/A
SOLUBILITY IN SEAWATER	SOLUBLE
PARTITION COEF (OCTANOL IN WATER)	NOT EVALUATED

* * * * * * * * * * SECTION IV - FIRE AND EXPLOSION DATA * * * * * * * * * * *

NFPA(704) RATING:
HEALTH 1 FLAMMABILITY 0 REACTIVITY 0 SPECIAL NONE
FLASH POINT N/A
AUTOIGNITION TEMPERATURE ND ND
FLAMMABLE LIMITS (OZ. PER CU. FT.) LOWER N/D UPPER N/D

++

EXTINGUISHING MEDIA:
USE MEDIA APPROPRIATE FOR SURROUNDING MATERIALS.
SPECIAL FIRE FIGHTING PROCEDURES:
AVOID CREATING DUST CLOUDS WITH EXTINGUISHERS.
UNUSUAL FIRE AND EXPLOSION HAZARDS:
INCOMPLETE THERMAL DECOMPOSITION MAY PRODUCE CARBON DIOXIDE, CARBON MONOXIDE AND NITROGEN OXIDES.
ORGANIC DUST IN THE PRESENCE OF A SOURCE OF IGNITION CARRIES A POTENTIAL EXPLOSION HAZARD IF THE CONCENTRATION IN THE AIR IS TOO HIGH. GOOD HOUSEKEEPING PROCEDURES ARE REQUIRED TO MINIMIZE THIS POTENTIAL HAZARD.

* * * * * * * * * * * * SECTION V - HEALTH HAZARD DATA * * * * * * * * * * * *

CALIFORNIA PROPOSITION 65:
PRODUCT OR PRODUCT COMPONENTS ARE NOT REGULATED UNDER CALIF. PROPOSITION 65.

CARCINOGENIC DETERMINATION:
PRODUCT OR COMPONENTS ARE NOT LISTED AS A POTENTIAL CARCINOGEN
ACCORDING TO : "NTP, IARC, OSHA, OR, ACIGH".

PRODUCT TOXICITY DATA: AQU TLM96: >3300 PPM(BROWN SHRIMP)

PRODUCT TLV: NOT ESTABLISHED

---------- EFFECTS OF EXPOSURE ----------

ROUTES OF EXPOSURE:
EYE OR SKIN CONTACT, INHALATION.
EYE:
MAY CAUSE MILD IRRITATION.
SKIN:
ESSENTIALLY NON-IRRITATING.
INHALATION:
MAY BE IRRITATING.
TREAT AS NUISANCE DUST.
INGESTION:
NO DATA AVAILABLE
CHRONIC EFFECTS:
NO CHRONIC EFFECTS EXPECTED.
OTHER SYMPTOMS AFFECTED:
A REVIEW OF AVAILABLE DATA DOES NOT IDENTIFY ANY CONDITIONS WORSENED BY EXPOSURE TO THIS PRODUCT.

---------- EMERGENCY AND FIRST AID PROCEDURES ----------

EYE:
IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. IF IRRITATION PERSISTS, SEEK PROMPT MEDICAL ATTENTION.
SKIN:
PROMPTLY WASH SKIN WITH SOAP AND WATER. WASH CLOTHING BEFORE REUSE. IF IRRITAION DEVELOPS, SEEK PROMPT MEDICAL ATTENTION.
INHALATION:
REMOVE TO FRESH AIR. IF IRRITATION PERSISTS, SEEK MEDICAL ATTENTION,
INGESTION:
DO NOT INDUCE VOMITING! IN GENERAL, NO TREATMENT IS NECESSARY UNLESS LARGE QUANTITIES ARE INGESTED. HOWEVER, MEDICAL ADVICE SHOULD BE OBTAINED.

* * * * * * * * * * * * SECTION VI - REACTIVITY DATA * * * * * * * * * * * * *

STABILITY: STABLE
CONDITIONS TO AVOID:
NOT APPLICABLE.
INCOMPATIBILITY (MATERIALS TO AVOID):
NONE KNOWN.
HAZARDOUS DECOMPOSITION PRODUCTS:
NITROGEN OXIDES, CARBON DIOXIDE AND/OR CARBON MONOXIDE.
HAZARD POLYMERIZATION: WON'T OCCUR
CONDITIONS TO AVOID:
NOT APPLICABLE.

* * * * * * * * * * SECTION VII - SPILL OR LEAK PROCEDURES * * * * * * * * * *

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:
USE PROTECTIVE EQUIPMENT. SWEEP UP AND REMOVE. AVOID CREATING OR INHALING DUST.
WASTE DISPOSAL METHOD:
IF NOT CONTAMINATED, REUSE PRODUCT.

GET APPROVAL FROM LANDFILL OPERATOR AND TRANSPORT TO SANITARY LANDFILL.

* * * * * * * * * SECTION VIII - SPECIAL PROTECTION INFORMATION * * * * * * * *

RESPIRATORY PROTECTION (USE NIOSH/MSHA APPROVED EQUIPMENT):
TOXIC DUST/MIST RESPIRATOR.
VENTILATION:
USE ONLY WITH ADEQUATE VENTILATION.
PROTECTIVE GLOVES:
NORMAL WORK GLOVES.
EYE PROTECTION:
GOGGLES OR SAFETY GLASSES.
OTHER PROTECTIVE EQUIPMENT:
NORMAL WORK COVERALLS.

* * * * * * * * * * * * SECTION IX - SPECIAL PRECAUTIONS * * * * * * * * * * * *

PRECAUTIONARY LABELING HALAD(R) 344 CEMENT ADDITIVE 516.002270

CAUTION!
MAY CAUSE MILD IRRITATION TO EYES, SKIN AND THE RESPIRATORY SYSTEM.
TREAT AS NUISANCE DUST.
FOR PRECAUTIONARY STATEMENTS, REFER TO SECTIONS IV-VIII.
OTHER HANDLING AND STORAGE CONDITIONS:
STORE IN DRY LOCATION TO PROTECT PRODUCT QUALITY. REQUIRES COVERED STORAGE.
AVOID CREATING OR INHALING DUST.
CONTAINER DISPOSITION:
EMPTY CONTAINER COMPLETELY. TRANSPORT CONTAINER WITH ALL CLOSURES IN PLACE.
RETURN FOR REUSE OR DISPOSE IN A SANITARY LANDFILL BY FIRST OBTAINING
LANDFILL OPERATOR'S AUTHORIZATION.

* * * * * * * * * * SECTION X - TRANSPORTATION INFORMATION * * * * * * * * * *

DOT SHIPPING DESCRIPTION:
NOT RESTRICTED

* * * * * * * * * * SECTION XI - ENVIRONMENTAL EVALUATION * * * * * * * * * *

EPA SUPERFUND(SARA) TITLE III - HAZARD CLASSIFICATION & ASSOCIATED INFORMATION
FIRE: N PRESSURE: N REACTIVE: N ACUTE (IMMEDIATE): Y
CHRONIC (DELAYED): N MIXTURE OR PURE MATERIAL: PURE

B. EPA - CERCLA/SUPERFUND, 40 CFR 302 (REPORTABLE SPILL QUANTITY)
N/A

C. EPA - SARA TITLE III, CFR 355 (EXTREMELY HAZARDOUS SUBSTANCES)
PRODUCT CONTAINS NO EXTREMELY HAZARDOUS COMPONENTS

D. EPA - SARA TITLE III, 40 CFR 372 (LIST OF TOXIC CHEMICALS)
CHEMICAL CONTAINS NO TOXIC INGREDIENTS

E. COMPONENTS LISTED ON FOLLOWING CHEMICAL INVENTORIES
TSCA YES CEPA NE EEC NO ACOIN NO NPR NE DRSM NE

H. EPA - RCRA (HAZARDOUS WASTE), 40 CFR 261

IF PRODUCT BECOMES A WASTE, IT DOES NOT MEET THE CRITERIA OF A
HAZARDOUS WASTE

* *

THE INFORMATION WHICH IS CONTAINED IN THIS DOCUMENT IS BASED UPON AVAILABLE

DATA AND BELIEVED TO BE CORRECT. HOWEVER, AS SUCH AS IT HAS BEEN OBTAINED FROM VARIOUS SOURCES, INCLUDING THE MANUFACTURER AND INDEPENDENT LABORATORIES, IT IS GIVEN WITHOUT WARRANTY OR REPRESENTATION THAT IT IS COMPLETE, ACCURATE AND CAN BE RELIED UPON. HALLIBURTON HAS NOT ATTEMPTED TO CONCEAL IN ANY WAY THE DELETERIOUS ASPECTS OF THE PRODUCT LISTED HEREIN, BUT MAKES NO WARRANTY AS TO SUCH. FURTHER, AS HALLIBURTON CANNOT ANTICIPATE NOR CONTROL THE MANY SITUATIONS IN WHICH THE LISTED PRODUCT OR THIS INFORMATION MAY BE USED BY OUR CUSTOMER, THERE IS NO GUARANTEE THAT THE HEALTH AND SAFETY PRECAUTIONS SUGGESTED WILL BE PROPER UNDER ALL CONDITIONS. IT IS THE SOLE RESPONSIBILITY OF EACH USER OF THE LISTED PRODUCT TO DETERMINE AND COMPLY WITH THE REQUIREMENTS OF ALL APPLICABLE LAWS AND REGULATIONS REGARDING ITS USE OR DISPOSAL. THIS INFORMATION IS GIVEN SOLELY FOR THE PURPOSES OF HEALTH AND SAFETY TO PERSONS AND PROPERTY. ANY OTHER USE OF THIS INFORMATION IS EXPRESSLY PROHIBITED. HEALTH, SAFETY AND ENVIRONMENT DEPARTMENT, HALLIBURTON ENERGY SERVICES.

MATERIAL SAFETY DATA SHEET DATE: 12-30-97
HALLIBURTON ENERGY SERVICES REVISED DATE 01-17-96
DUNCAN, OKLAHOMA 73536

EMERGENCY TELEPHONE: 405/251-4689 OR 405/251-3569
AFTER HOURS: 405/251-3760

* * * * * * * * * * SECTION I - PRODUCT DESCRIPTION * * * * * * * * * * * *

CHEMICAL CODE: HR-7 ADDITIVE PART NUMBER: 890509030
PKG QTY: 50 LB BAG APPLICATION: RETARDER & DISPERSANT
SERVICE USED: CEMENTING

* * * * * * * * * * SECTION II - COMPONENT INFORMATION * * * * * * * * * *

COMPONENT+ + + + + + + + +	PERCENT	TLV	PEL
MODIFIED LIGNOSULFONATE	UNK	X 10 MG/M3	15 MG/M3

* * * * * * * * * * * * SECTION III - PHYSICAL DATA * * * * * * * * * * * * *

PROPERTY	MEASUREMENT
APPEARANCE	BLACK SOLID,POWDER
ODOR	MOLASSES-LIKE
SPECIFIC GRAVITY (H2O=1)	1.410
BULK DENSITY	38.00 LB/CU.FT.
PH	NOT DETERMINED
SOLUBILITY IN WATER AT 20 DEG C. GMS/100ML H2O	FREELY
BIODEGRADABILITY	SLOWLY
PERCENT VOLATILES	N/A
EVAPORATION RATE(BUTYL ACETATE=1)	N/A
VAPOR DENSITY	N/A
VAPOR PRESSURE (MMHG)	N/D
BOILING POINT(760 MMHG)	N/A
POUR POINT	N/A
FREEZE POINT	N/A
SOLUBILITY IN SEAWATER	NOT EVALUATED
PARTITION COEF (OCTANOL IN WATER)	NOT EVALUATED

* * * * * * * * * * SECTION IV - FIRE AND EXPLOSION DATA * * * * * * * * * *

NFPA(704) RATING:
HEALTH 0 FLAMMABILITY 1 REACTIVITY 0 SPECIAL NONE

FLASH POINT	N/A		
AUTOIGNITION TEMPERATURE	ND	ND	
FLAMMABLE LIMITS (OZ. PER CU. FT.)	LOWER N/D	UPPER	N/D

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EXTINGUISHING MEDIA:
USE WATER SPRAY, FOAM, DRY CHEMICAL, OR CARBON DIOXIDE.
SPECIAL FIRE FIGHTING PROCEDURES:
AVOID CREATING DUST CLOUDS WITH EXTINGUISHERS.
FULL PROTECTIVE CLOTHING AND NIOSH/MSHA APPROVED SELF-CONTAINED BREATHING APPARATUS REQUIRED FOR FIRE FIGHTING PERSONNEL.
UNUSUAL FIRE AND EXPLOSION HAZARDS:
INCOMPLETE THERMAL DECOMPOSITION MAY PRODUCE CARBON DIOXIDE, CARBON MONOXIDE AND SULFUR OXIDES.
ORGANIC DUST IN THE PRESENCE OF A SOURCE OF IGNITION CARRIES A POTENTIAL EXPLOSION HAZARD IF THE CONCENTRATION IN THE AIR IS TOO HIGH. GOOD

HOUSEKEEPING PROCEDURES ARE REQUIRED TO MINIMIZE THIS POTENTIAL HAZARD.

* * * * * * * * * * * * SECTION V - HEALTH HAZARD DATA * * * * * * * * * * * *

CALIFORNIA PROPOSITION 65:
PRODUCT OR PRODUCT COMPONENTS ARE NOT REGULATED UNDER CALIF. PROPOSITION 65.

CARCINOGENIC DETERMINATION:
PRODUCT OR COMPONENTS ARE NOT LISTED AS A POTENTIAL CARCINOGEN
ACCORDING TO : "NTP, IARC, OSHA, OR, ACIGH".

PRODUCT TOXICITY DATA: AQU TLM96: >1000 PPM(BROWN SHRIMP)

PRODUCT TLV: NUISANCE: 10MG/M3(T)

---------- EFFECTS OF EXPOSURE ----------

ROUTES OF EXPOSURE:
EYE OR SKIN CONTACT, INHALATION.
EYE:
MAY CAUSE MILD IRRITATION.
SKIN:
ESSENTIALLY NON-IRRITATING.
INHALATION:
MAY BE IRRITATING.
INGESTION:
NO DATA AVAILABLE
CHRONIC EFFECTS:
NO CHRONIC EFFECTS EXPECTED.
OTHER SYMPTOMS AFFECTED:
A REVIEW OF AVAILABLE DATA DOES NOT IDENTIFY ANY CONDITIONS WORSENED BY EXPOSURE TO THIS PRODUCT.

---------- EMERGENCY AND FIRST AID PROCEDURES ----------

EYE:
IMMEDIATELY FLUSH EYES WITH PLENTY OF WATER FOR AT LEAST 15 MINUTES. IF IRRITATION PERSISTS, SEEK PROMPT MEDICAL ATTENTION.
SKIN:
PROMPTLY WASH SKIN WITH SOAP AND WATER. WASH CLOTHING BEFORE REUSE. IF IRRITAION DEVELOPS, SEEK PROMPT MEDICAL ATTENTION.
INHALATION:
REMOVE TO FRESH AIR. IF IRRITATION PERSISTS, SEEK MEDICAL ATTENTION,
INGESTION:
DO NOT INDUCE VOMITING! IN GENERAL, NO TREATMENT IS NECESSARY UNLESS LARGE QUANTITIES ARE INGESTED. HOWEVER, MEDICAL ADVICE SHOULD BE OBTAINED.

* * * * * * * * * * * * SECTION VI - REACTIVITY DATA * * * * * * * * * * * * *

STABILITY: STABLE
CONDITIONS TO AVOID:
NOT APPLICABLE.
HAZARDOUS DECOMPOSITION PRODUCTS:
OXIDES OF SULFUR, CARBON DIOXIDE AND/OR CARBON MONOXIDE.
HAZARD POLYMERIZATION: WON'T OCCUR
CONDITIONS TO AVOID:
NOT APPLICABLE.

* * * * * * * * * * SECTION VII - SPILL OR LEAK PROCEDURES * * * * * * * * * *

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:
USE PROTECTIVE EQUIPMENT. SWEEP UP AND REMOVE. AVOID CREATING OR INHALING DUST.
WASTE DISPOSAL METHOD:
GET APPROVAL FROM LANDFILL OPERATOR AND TRANSPORT TO SANITARY LANDFILL.

* * * * * * * * * SECTION VIII - SPECIAL PROTECTION INFORMATION * * * * * * *

RESPIRATORY PROTECTION (USE NIOSH/MSHA APPROVED EQUIPMENT):
NOT NORMALLY NECESSARY.
TOXIC DUST/MIST RESPIRATOR.
VENTILATION:
USE ONLY WITH ADEQUATE VENTILATION.
PROTECTIVE GLOVES:
NORMAL WORK GLOVES.
EYE PROTECTION:
GOGGLES OR SAFETY GLASSES.
OTHER PROTECTIVE EQUIPMENT:
NORMAL WORK COVERALLS.

* * * * * * * * * * * * SECTION IX - SPECIAL PRECAUTIONS * * * * * * * * * * *

PRECAUTIONARY LABELING HR-7 ADDITIVE 890.509030

CAUTION!
MAY CAUSE MILD IRRITATION TO EYES, SKIN AND UPPER RESPIRATORY SYSTEM.
FOR PRECAUTIONARY STATEMENTS, REFER TO SECTIONS IV-VIII.
OTHER HANDLING AND STORAGE CONDITIONS:
STORE IN DRY LOCATION TO PROTECT PRODUCT QUALITY. REQUIRES COVERED STORAGE.
AVOID CREATING OR INHALING DUST.
CONTAINER DISPOSITION:
EMPTY CONTAINER COMPLETELY. TRANSPORT CONTAINER WITH ALL CLOSURES IN PLACE.
RETURN FOR REUSE OR DISPOSE IN A SANITARY LANDFILL BY FIRST OBTAINING
LANDFILL OPERATOR'S AUTHORIZATION.

* * * * * * * * * * SECTION X - TRANSPORTATION INFORMATION * * * * * * * * * *

DOT SHIPPING DESCRIPTION:
NOT RESTRICTED

* * * * * * * * * * SECTION XI - ENVIRONMENTAL EVALUATION * * * * * * * * * *

EPA SUPERFUND(SARA) TITLE III - HAZARD CLASSIFICATION & ASSOCIATED INFORMATION
FIRE: N PRESSURE: N REACTIVE: N ACUTE (IMMEDIATE): Y
CHRONIC (DELAYED): N MIXTURE OR PURE MATERIAL: MIX

B. EPA - CERCLA/SUPERFUND, 40 CFR 302 (REPORTABLE SPILL QUANTITY)
N/A

C. EPA - SARA TITLE III, CFR 355 (EXTREMELY HAZARDOUS SUBSTANCES)
PRODUCT CONTAINS NO EXTREMELY HAZARDOUS COMPONENTS

D. EPA - SARA TITLE III, 40 CFR 372 (LIST OF TOXIC CHEMICALS)
CHEMICAL CONTAINS NO TOXIC INGREDIENTS

E. COMPONENTS LISTED ON FOLLOWING CHEMICAL INVENTORIES
TSCA YES CEPA NE EEC N/D ACOIN N/D NPR NE DRSM NE

H. EPA - RCRA (HAZARDOUS WASTE), 40 CFR 261

IF PRODUCT BECOMES A WASTE, IT DOES NOT MEET THE CRITERIA OF A
HAZARDOUS WASTE

* *

THE INFORMATION WHICH IS CONTAINED IN THIS DOCUMENT IS BASED UPON AVAILABLE
DATA AND BELIEVED TO BE CORRECT. HOWEVER, AS SUCH AS IT HAS BEEN OBTAINED FROM
VARIOUS SOURCES, INCLUDING THE MANUFACTURER AND INDEPENDENT LABORATORIES, IT IS

FURNISHED WITHOUT WARRANTY OR REPRESENTATION THAT IT IS COMPLETE, ACCURATE AND CAN BE RELIED UPON. HALLIBURTON HAS NOT ATTEMPTED TO CONCEAL IN ANY WAY THE DELETERIOUS ASPECTS OF THE PRODUCT LISTED HEREIN, BUT MAKES NO WARRANTY AS TO SUCH. FURTHER, AS HALLIBURTON CANNOT ANTICIPATE NOR CONTROL THE MANY SITUATIONS IN WHICH THE LISTED PRODUCT OR THIS INFORMATION MAY BE USED BY OUR CUSTOMER, THERE IS NO GUARANTEE THAT THE HEALTH AND SAFETY PRECAUTIONS SUGGESTED WILL BE PROPER UNDER ALL CONDITIONS. IT IS THE SOLE RESPONSIBILITY OF EACH USER OF THE LISTED PRODUCT TO DETERMINE AND COMPLY WITH THE REQUIREMENTS OF ALL APPLICABLE LAWS AND REGULATIONS REGARDING ITS USE OR DISPOSAL. THIS INFORMATION IS GIVEN SOLELY FOR THE PURPOSES OF HEALTH AND SAFETY TO PERSONS AND PROPERTY. ANY OTHER USE OF THIS INFORMATION IS EXPRESSLY PROHIBITED. HEALTH, SAFETY AND ENVIRONMENT DEPARTMENT, HALLIBURTON ENERGY SERVICES.

MATERIAL SAFETY DATA SHEET DATE: -
HALLIBURTON SERVICES REVISED DATE 09-
DUNCAN, OKLAHOMA 73536

EMERGENCY TELEPHONE: 405/251-3565 OR 405/251-3569
AFTER HOURS: 405/251-3760

* * * * * * * * * * * SECTION I - PRODUCT DESCRIPTION * * * * * * * * * *

CHEMICAL CODE: SALT-CEMENT GRADE, BULK PART NUMBER: 3160
PKG QTY: BULK APPLICATION: ACCELERATOR
SERVICE USED: CEMENT

* * * * * * * * * * * SECTION II - COMPONENT INFORMATION * * * * * * * * *

COMPONENT+ + + + + + + + + +	PERCENT	TLV	PEL
SODIUM CHLORIDE	› 60 %	10 MG/M3	15 MG/M3

* * * * * * * * * * * * * SECTION III - PHYSICAL DATA * * * * * * * * * * *

PROPERTY	MEASUREMENT
APPEARANCE	WHITE SOLID, CRYSTALLINE
O	ODORLESS
SPECIFIC GRAVITY (H2O=1)	2.165
BULK DENSITY	71.00 LB/CU.FT.
PH	5.2 FOR SAT SOL
SOLUBILITY IN WATER AT 20 DEG C. GMS/100ML H2O	35.7
BIODEGRADABILITY	N/A
PERCENT VOLATILES	N/A
EVAPORATION RATE(BUTYL ACETATE=1)	N/A
VAPOR DENSITY	N/A
VAPOR PRESSURE (MMHG)	N/D
BOILING POINT(760 MMHG)	N/A
POUR POINT	N/A
FREEZE POINT	N/A
SOLUBILITY IN SEAWATER	SOLUBLE
PARTITION COEF (OCTANOL IN WATER)	NOT EVALUATED

* * * * * * * * * * SECTION IV - FIRE AND EXPLOSION DATA * * * * * * * * *

NFPA(704) RATING:
HEALTH 0 FLAMMABILITY 0 REACTIVITY 0 SPECIAL NONE
FLASH POINT NONE
AUTOIGNITION TEMPERATURE NO F / NO C
FLAMMABLE LIMITS (OZ. PER CU. FT.) LOWER N/D UPPER N/D

EXTINGUISHING MEDIA:
USE MEDIA APPROPRIATE FOR SURROUNDING MATERIALS.
SPECIAL FIRE FIGHTING PROCEDURES:
NOT APPLICABLE.
UNUSUAL FIRE AND EXPLOSION HAZARDS:
NOT APPLICABLE.

* * * * * * * * * * SECTION V - HEALTH HAZARD DATA * * * * * * * * * *

CARCINOGENIC DETERMINATION:
PRODUCT OR COMPONENTS ARE NOT LISTED AS A POTENTIAL CARCINOGEN
ACCORDING TO : "NTP, IARC, OSHA, OR, ACIGH".

PRODUCT TOXICITY DATA:
IRR SKN-RBT 50 MG/24H MLD
IRR EYE-RBT 100 MG/34H SEV
TOX ORL-HMN TDLO:12357 MG/KG/230-C
TOX ORL-RAT LD50: 3000 MG/KG
AQU TLM96:OVER 1000 PPM

PRODUCT TLV: 10 MG/M3 (N)

---------- EFFECTS OF EXPOSURE ----------

ROUTES OF EXPOSURE:
EYE OR SKIN CONTACT, INHALATION.
EYE:
MAY BE IRRITATING.
SKIN:
MAY BE IRRITATING.
INHALATION:
MAY BE IRRITATING.
INGESTION:
NO DATA AVAILABLE
CHRONIC EFFECTS:
NO CHRONIC EFFECTS EXPECTED.
OTHER SYMPTOMS AFFECTED:
REVIEW OF AVAILABLE DATA DOES NOT IDENTIFY ANY CONDITIONS WORSENED BY EXPOSURE TO THIS PRODUCT.

* * * * * * * * * * * * SECTION VI - REACTIVITY DATA * * * * * * * * * * * *

STABILITY: STABLE
CONDITIONS TO AVOID:
NOT APPLICABLE.
HAZARDOUS DECOMPOSITION PRODUCTS:
NONE KNOWN.
HAZARD POLYMERIZATION: WON"T OCCUR
CONDITIONS TO AVOID:
NOT APPLICABLE.

* * * * * * * * * * SECTION VII - SPILL OR LEAK PROCEDURES * * * * * * * * * *

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:
USE PROTECTIVE EQUIPMENT. SWEEP UP AND REMOVE. AVOID CREATING OR INHALI
DUST.
WASTE DISPOSAL METHOD:
IF NOT CONTAMINATED, REUSE PRODUCT.
GET APPROVAL FROM LANDFILL OPERATOR AND TRANSPORT TO SANITARY LANDFILL.

* * * * * * * * * SECTION VIII - SPECIAL PROTECTION INFORMATION * * * * * * *

RESPIRATORY PROTECTION (USE NIOSH/MSHA APPROVED EQUIPMENT):
NOT NORMALLY NECESSARY.
TOXIC DUST/MIST RESPIRATOR.
VENTILATION:
USE ONLY WITH ADEQUATE VENTILATION.
PROTECTIVE GLOVES:
NORMAL WORK GLOVES.
EYE PROTECTION:

* * * * * * * * * * SECTION IX - SPECIAL PRECAUTIONS * * * * * * * * *

PRECAUTIONARY LABELING SALT-CEMENT-GRADE, BULK 516.003150

CAUTION!
MAY CAUSE IRRITATION TO THE EYES, SKIN OR RESPIRATORY SYSTEM.
FOR PRECAUTIONARY STATEMENTS, REFER TO SECTIONS IV-VIII.

OTHER HANDLING AND STORAGE CONDITIONS:
STORE IN DRY LOCATION TO PROTECT PRODUCT QUALITY. REQUIRES COVERED STOR
AVOID CREATING OR INHALING DUST.

CONTAINER DISPOSITION:
CONTAINER SHOULD BE TRANSPORTED WITH ALL CLOSURES IN PLACE AND RETURNED FOR REUSE.

* * * * * * * * * * SECTION X - TRANSPORTATION INFORMATION * * * * * * * *

DOT SHIPPING DESCRIPTION:
NOT RESTRICTED

* * * * * * * * * * SECTION XI - ENVIRONMENTAL EVALUATION * * * * * * * * *

EPA SUPERFUND(SARA) TITLE III - HAZARD CLASSIFICATION & ASSOCIATED INFORMAT
FIRE: N PRESSURE: N REACTIVE: N ACUTE (IMMEDIATE): Y
CHRONIC (DELAYED): N MIXTURE OR PURE MATERIAL: MIX

B. EPA - CERCLA/SUPERFUND, 40 CFR 302 (REPORTABLE SPILL QUANTITY)
N/A

C. EPA - SARA TITLE III, CFR 355 (EXTREMELY HAZARDOUS SUBSTANCES)
PRODUCT CONTAINS NO EXTREMELY HAZARDOUS COMPONENTS

D. EPA - SARA TITLE III, 40 CFR 372 (LIST OF TOXIC CHEMICALS)
CHEMICAL CONTAINS NO TOXIC INGREDIENTS

E. COMPONENTS LISTED ON FOLLOWING CHEMICAL INVENTORIES
TSCA YES CEPA NE EEC YES ACOIN YES NPRINE DRSM NE

H. EPA - RCRA (HAZARDOUS WASTE), 40 CFR 261

IF PRODUCT BECOMES A WASTE, IT DOES NOT MEET THE CRITERIA OF A HAZARDOUS WASTE

* *

THE INFORMATION WHICH IS CONTAINED IN THIS DOCUMENT IS BASED UPON AVAILABLE DATA AND BELIEVED TO BE CORRECT. HOWEVER, AS SUCH AS IT HAS BEEN OBTAINED VARIOUS SOURCES, INCLUDING THE MANUFACTURER AND INDEPENDENT LABORATORIES, I GIVEN WITHOUT WARRANTY OR REPRESENTATION THAT IT IS COMPLETE, ACCURATE AND BE RELIED UPON. HALLIBURTON HAS NOT ATTEMPTED TO CONCEAL IN ANY WAY THE DELETERIOUS ASPECTS OF THE PRODUCT LISTED HEREIN, BUT MAKES NO WARRANTY AS S[illegible]. FURTHER, AS HALLIBURTON CANNOT ANTICIPATE NOR CONTROL THE MANY SITUATIONS IN WHICH THE LISTED PRODUCT OR THIS INFORMATION MAY BE USED BY OU CUSTOMER, THERE IS NO GUARANTEE THAT THE HEALTH AND SAFETY PRECAUTIONS SUGGESTED WILL BE PROPER UNDER ALL CONDITIONS. IT IS THE SOLE RESPONSIBILI OF EACH USER OF THE LISTED PRODUCT TO DETERMINE AND COMPLY WITH THE REQUIREMENTS OF ALL APPLICABLE LAWS AND REGULATIONS REGARDING ITS USE OR DISPOSAL. THIS INFORMATION IS GIVEN SOLELY FOR THE PURPOSES OF HEALTH AND SAFETY TO PERSONS AND PROPERTY. ANY OTHER USE OF THIS INFORMATION IS EXPRES[illegible] HEALTH, SAFETY AND ENVIRONMENT DEPARTMENT, HALLIBURTON ENERGY

...ooos, NM 88241-1980
District II · (505) 748-1283
811 S. First
Artesia, NM 88210
District III · (505) 334-6178
1000 Rio Brazos Road
Aztec, NM 87410
District IV · (505) 827-7131

Energy Minerals and Natural Resources Department
Oil Conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

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Oil Conservation Division

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REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☒	4. Generator Conoco Inc.
Verbal Approval Received: Yes ☐ No ☐	5. Originating Site NE Carlsbad
2. Management Facility Destination SUNDANCE SERVICES INC.	6. Transporter Key
3. Address of Facility Operator P.O. BOX 1737 Eunice NM 88231	8. State NEW MEXICO
7. Location of Material (Street Address or ULSTR) S6 T21S R28E	

9. Circle One:

A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from Generator; one certificate per job.

(B.) All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analys PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardou listing or testing will be approved.

All transporters must certify the wastes delivered are only those consigned for transport.

BRIEF DESCRIPTION OF MATERIAL:

Attached are analytical results for compressor station for Conoco Inc. I have included a chain of custody and certificate of waste status. Sundance would like approval to accept this material into our Parabo Facility.

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

SIGNATURE: Donna Roach Waste Management Facility Authorized Agent TITLE: OFFICE MGR DATE: _____

TYPE OR PRINT NAME: DONNA L. ROACH TELEPHONE NO. 505-394-2511

(This space for State Use)

APPROVED BY: _____ TITLE: Environmental Engr DATE: 4-25-02

APPROVED BY: _____ TITLE: Environmental Geologist DATE: 4-30-02

04-30-02

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

COMPANY /GENERATOR CONOCO INC. (CG&P)

ADDRESS 921 W.SANGER HOBBS,NM 88240

GENERATING SITE N. E. Carlsbad

GENERATING PROCESS ENGINE /COMPRESSOR OPERATION

REMARKS

NMOCD FACILITY SUNDANCE SERVICES INC.

TRUCKING COMPANY HUGHES TRKING / STEVE CARTER TRKING/ KEY SERVICES

As a condition of acceptance for disposal, I hereby certify that his waste is a non-exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory determinations. 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 Mark Bishop
SIGNATURE

NAME MARK BISHOP
PRINTED

ADDRESS 921 W. SANGER

HOBBS, NM 88240

DATE 2-14-02

PAGE 01
CARDINAL LAB ABILENE
9156737020
31/02/2002 15:05

CARDINAL LABORATORIES, INC.

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

2111 Beechwood, Abilene, TX 79603 (915) 673-7001 Fax (915) 673-7020
101 East Marland, Hobbs, NM 88240 (505) 393-2326 Fax (505) 393-2476

Page ___ of ___

Company Name:	Conoco
Project Manager:	Mark Bishop
Address:	921 W Sanger
City:	Hobbs State: NM Zip: 88240
Phone #:	391 1956 Fax #:
Project #:	Project Owner:
Project Name:	NE Carlsbad Dehy flush water
Project Location:	NE Carlsbad Compressor Sta
Sampler Name:	

BILL TO

P.O. #:	
Company:	
Attn:	
Address:	
City:	
State:	Zip:
Phone #:	
Fax #:	

ANALYSIS REQUEST

TCLP

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	PRESERV.: ACID/BASE:	ICE / COOL	OTHER:	SAMPLING: DATE	TIME	
H6672-1	NE Carlsbad flush water		1		✓						✓		04/12/2002	3:30	✓

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 the client for the 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 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.

Terms and Conditions: Interest will be charged on all accounts more than 30 days past due at the rate of 24% per annum from the original date of invoice, and all costs of collections, including attorney's fees.

Sampler Relinquished:	Date:	Received By:	
	Time:		
Relinquished By: Mark Bishop	Date: 4 12 02	Received By: (Lab Staff)	
	Time: 4:15PM		
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Sample Condition: Temp. °C; Intact? ☑ Yes ☐ No	Checked By: (Initials)	

Phone Result: ☐ Yes ☐ No
Fax Result: ☐ Yes ☐ No
REMARKS:

† Cardinal cannot accept verbal changes. Please fax written changes to (505) 393-2476.

CARDINAL LABORATORIES

PHONE (915) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603
PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
CONOCO, INC.
ATTN: MARK BISHOP
921 W. SANGER
HOBBS, NM 88240
FAX TO: (505) 393-0178

Receiving Date: 04/12/02
Reporting Date: 04/19/02
Project Number: NOT GIVEN
Project Name: NE CARLSBAD DEHY. FLUSH WATER
Project Location: NE CARLSBAD COMPRESSOR STA.

Sampling Date: 04/12/02
Sample Type: WASTEWATER
Sample Condition: COOL & INTACT
Sample Received By: GP
Analyzed By: AH/BC

LAB NO.	SAMPLE ID	REACTIVITY Sulfide (ppm)	REACTIVITY Cyanide (ppm)	CORROSIVITY (pH)	IGNITABILITY (°F)
ANALYSIS DATE:		04/19/02	04/19/02	04/16/02	04/16/02
H6677-1	NE CARLSBAD FLUSH WATER	Not reactive	Not reactive	9.49	>140
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, 1010, 1311, *40 CFR 261*

Chemist

4/19/02
Date

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PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
CONOCO, INC.
ATTN: MARK BISHOP
921 W. SANGER
HOBBS, NM 88240
FAX TO: (505) 393-0173

Receiving Date: 04/12/02
Reporting Date: 04/16/02
Project Number: NOT GIVEN
Project Name: NE CARLSBAD DEHY. FLUSH WATER
Project Location: NE CARLSBAD COMPRESSOR STA.
Lab Number: H6677-1
Sample ID: NE CARLSBAD FLUSH WATER

Analysis Date: 04/15/02
Sampling Date: 04/12/02
Sample Type: WASTEWATER
Sample Condition: COOL & INTACT
Sample Received By: GP
Analyzed By: BC

TCLP VOLATILES (ppm)	EPA LIMIT	Sample Result H6677-1	Method Blank	QC	%Recov.	True Value QC
Vinyl Chloride	0.20	<0.005	<0.005	0.110	110	0.100
1,1-Dichloroethylene	0.7	<0.005	<0.005	0.115	115	0.100
Methyl Ethyl Ketone	200	<0.050	<0.050	0.095	95	0.100
Chloroform	6.0	0.006	<0.005	0.099	99	0.100
1,2-Dichloroethane	0.5	<0.005	<0.005	0.085	85	0.100
Benzene	0.5	0.260	<0.005	0.109	109	0.100
Carbon Tetrachloride	0.5	<0.005	<0.005	0.111	111	0.100
Trichloroethylene	0.5	<0.005	<0.005	0.107	107	0.100
Tetrachloroethylene	0.7	<0.005	<0.005	0.099	99	0.100
Chlorobenzene	100	<0.005	<0.005	0.106	106	0.100
1,4-Dichlorobenzene	7.5	0.009	<0.005	0.103	103	0.100

	% RECOVERY
Dibromofluoromethane	94
Toluene-d8	113
Bromofluorobenzene	115

METHODS: EPA SW 846-8260, 1311

Burgess J. A. Cooke, Ph.D.

4/15/02
Date

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PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
CONOCO, INC.
ATTN: MARK BISHOP
921 W. SANGER
HOBBS, NM 88240
FAX TO: (505) 393-0178

Receiving Date: 04/12/02
Reporting Date: 04/19/02
Project Number: NOT GIVEN
Project Name: NE CARLSBAD DEHY. FLUSH WATER
Project Location: NE CARLSBAD COMPRESSOR STA.
Lab Number: H6677-1
Sample ID: NE CARLSBAD FLUSH WATER

Analysis Date: 04/17/02
Sampling Date: 04/12/02
Sample Type: WASTEWATER
Sample Condition: COOL & INTACT
Sample Received By: GP
Analyzed By: BC

TCLP SEMIVOLATILES (ppm)	EPA LIMIT	Sample Result H6677-1	Method Blank	QC	% Recov.	True Value QC
Pyridine	5.00	<0.080	<0.002	0.019	38	0.050
1,4-Dichlorobenzene	7.50	<0.080	<0.002	0.029	58	0.050
o-Cresol	200	<0.080	<0.002	0.031	62	0.050
m, p-Cresol	200	<0.080	<0.002	0.032	64	0.050
Hexachloroethane	3.00	<0.080	<0.002	0.028	56	0.050
Nitrobenzene	2.00	<0.080	<0.002	0.034	68	0.050
Hexachloro-1,3-butadiene	0.500	<0.080	<0.002	0.033	66	0.050
2,4,6-Trichlorophenol	2.00	<0.080	<0.002	0.035	70	0.050
2,4,5-Trichlorophenol	400	<0.080	<0.002	0.039	78	0.050
2,4-Dinitrotoluene	0.130	<0.080	<0.002	0.040	80	0.050
Hexachlorobenzene	0.130	<0.080	<0.002	0.041	82	0.050
Pentachlorophenol	100	<0.080	<0.002	0.041	82	0.050

	% RECOVERY
Fluorophenol	36
Phenol-d5	27
Nitrobenzene-d5	71
2-Fluorobiphenyl	71
2,4,6-Tribromophenol	55
Terphenyl-d14	70

METHODS: EPA SW-846 1311, 8270, 3510
NOTE: Matrix interference observed; dilution required.

Burgess J.A. Cooke, Ph. D.

4/19/02
Date

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CARDINAL LABORATORIES

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PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
CONOCO, INC.
ATTN: MARK BISHOP
921 W. SANGER
HOBBS, NM 88240
FAX TO:

Receiving Date: 04/12/02
Reporting Date: 04/19/02
Project Number: NOT GIVEN
Project Name: NE CARLSBAD DEHY FLUSH WATER
Project Location: NE CARLSBAD COMPRESSOR STA.

Sampling Date: 04/12/02
Sample Type: WASTEWATER
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: AH

TCLP METALS

LAB NUMBER	SAMPLE ID	As ppm	Ag ppm	Ba ppm	Cd ppm	Cr ppm	Pb ppm	Hg ppm	Se ppm
ANALYSIS DATE:		04/19/02	04/18/02	04/18/02	04/18/02	04/18/02	04/18/02	04/18/02	04/19/02
EPA LIMITS:		5	5	100	1	5	5	0.2	1
H6677-1	NE CARLSBAD FLUSH WATER	<1	<1	<15	<0.1	<1	<1	<0.02	<0.1
Quality Control		0.147	4.987	25.68	1.007	4.915	4.937	0.0104	0.056
True Value QC		0.150	5.000	25.00	1.000	5.000	5.000	0.0100	0.050
% Recovery		98.0	99.3	103	101	98.3	98.7	104	112
Relative Percent Difference		1.0	1.0	3.6	0.1	0.2	0.3	4.0	4.1
METHODS: EPA 1311, 600/4-79		206.2	272.1	208.1	213.1	218.1	239.1	245.1	270.2

Amy Hill
Chemist

4-19-02
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.

H6677

...ico 88241-1980
District II · (505) 748-1283
811 S. First
Artesia, NM 88210
District III · (505) 334-6178
1000 Rio Brazos Road
Aztec, NM 87410
District IV · (505) 827-7131

Energy Minerals and Natural Resources Department
Oil Conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

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Oil Conservation Division

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REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☒	4. Generator Conoco Inc.
Verbal Approval Received: Yes ☐ No ☐	5. Originating Site DA Comp
2. Management Facility Destination SUNDANCE SERVICES INC.	6. Transporter Key
3. Address of Facility Operator P.O. BOX 1737 Eunice NM 88231	8. State NEW MEXICO
7. Location of Material (Street Address or ULSTR) S 31 T 21S R 35E	

9. Circle One:

A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from Generator; one certificate per job.

(B.) All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analys PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardou listing or testing will be approved.

All transporters must certify the wastes delivered are only those consigned for transport.

BRIEF DESCRIPTION OF MATERIAL:

Attached are analytical results for compressor station for Conoco Inc. I have included a chain of custody and certificate of waste status. Sundance would like approval to accept this material into our Parabo Facility.

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

SIGNATURE: Donna Roach Waste Management Facility Authorized Agent TITLE: OFFICE MGR DATE: _____

TYPE OR PRINT NAME: DONNA L. ROACH TELEPHONE NO. 505-394-2511

(This space for State Use)

APPROVED BY: _____ TITLE: Environmental Engr DATE: 4-25-02

APPROVED BY: _____ TITLE: Environmental Geologist DATE: 4-30-02

043002-1

1

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

COMPANY /GENERATOR CONOCO INC. (CG&P)

ADDRESS 921 W.SANGER HOBBS,NM 88240

GENERATING SITE DA Comp

GENERATING PROCESS ENGINE /COMPRESSOR OPERATION

REMARKS

NMOCD FACILITY SUNDANCE SERVICES INC.

TRUCKING COMPANY HUGHES TRKING / STEVE CARTER TRKING/ KEY SERVICES

As a condition of acceptance for disposal, I hereby certify that his waste is a non-exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory determinations. 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 Mark Bishop
SIGNATURE

NAME MARK BISHOP
PRINTED

ADDRESS 921 W. SANGER

HOBBS, NM 88240

DATE 2-14-02

CARDINAL LABORATORIES

PHONE (915) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603
PHONE (505) 393-2326 • 101 E MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
CONOCO, INC.
ATTN: MARK BISHOP
921 W. SANGER
HOBBS, NM 88240
FAX TO:

Receiving Date: 12/04/01
Reporting Date: 12/07/01
Project Number: NOT GIVEN
Project Name: "DA" COMPRESSOR STATION
Project Location: NOT GIVEN

Sampling Date: 12/03/01
Sample Type: WASTEWATER
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: BC

LAB NUMBER	SAMPLE ID	BENZENE (mg/L)	TOLUENE (mg/L)	ETHYL BENZENE (mg/L)	TOTAL XYLENES (mg/L)
ANALYSIS DATE		12/04/01	12/04/01	12/04/01	12/04/01
H6317-1	"DA" COMP. STATION	0.014	0.117	0.015	0.202
Quality Control		0.102	0.102	0.109	0.319
True Value QC		0.100	0.100	0.100	0.300
% Recovery		102	102	109	106
Relative Percent Difference		6.1	2.1	2.5	1.8

METHOD: EPA SW-846 8260

Chemist

12/7/01
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.

H6317B.XLS

CARDINAL LABORATORIES

PHONE (915) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603
PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
CONOCO, INC.
ATTN: MARK BISHOP
921 W. SANGER
HOBBS, NM 88240
FAX TO:

Receiving Date: 12/04/01
Reporting Date: 12/10/01
Project Number: NOT GIVEN
Project Name: "DA" COMPRESSOR STATION
Project Location: NOT GIVEN

Sampling Date: 12/03/01
Sample Type: WASTEWATER
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: AH/BC

LAB NO.	SAMPLE ID	REACTIVITY Sulfide (ppm)	Cyanide (ppm)	CORROSIVITY (pH)	IGNITABILITY (°F)
ANALYSIS DATE:		12/10/01	12/10/01	12/07/01	12/07/01
H6317-1	"DA" COMP. STATION	Not reactive	Not reactive	7.46	>140
Quality Control		NR	NR	7.05	NR
True Value QC		NR	NR	7.00	NR
% Recovery		NR	NR	101	NR
Relative Percent Difference		NR	NR	0.3	NR

METHOD: EPA SW-846 7.3, 7.2, 1010, 1311, *40 CFR 261*

Burgess J. Cooke
Chemist

12/10/01
Date

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H6317R.XLS

CARDINAL LABORATORIES

PHONE (915) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603
PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
CONOCO, INC.
ATTN: MARK BISHOP
921 W. SANGER
HOBBS, NM 88240
FAX TO:

Receiving Date: 12/04/01
Reporting Date: 12/07/01
Project Number: NOT GIVEN
Project Name: "DA" COMPRESSOR STATION
Project Location: NOT GIVEN
Lab Number: H6317-1
Sample ID: "DA" COMPRESSOR STATION

Analysis Date: 12/04/01
Sampling Date: 12/03/01
Sample Type: WASTEWATER
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: BC

TCLP VOLATILES (ppm)	EPA LIMIT	Sample Result	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	0.099	99	0.100
Methyl Ethyl Ketone	200	<0.050	<0.050	0.112	112	0.100
Chloroform	6.0	<0.005	<0.005	0.104	104	0.100
1,2-Dichloroethane	0.5	<0.005	<0.005	0.085	85	0.100
Benzene	0.5	0.014	<0.005	0.094	94	0.100
Carbon Tetrachloride	0.5	<0.005	<0.005	0.083	83	0.100
Trichloroethylene	0.5	<0.005	<0.005	0.100	100	0.100
Tetrachloroethylene	0.7	<0.005	<0.005	0.091	91	0.100
Chlorobenzene	100	<0.005	<0.005	0.095	95	0.100
1,4-Dichlorobenzene	7.5	<0.005	<0.005	0.098	98	0.100

	% RECOVERY
Dibromofluoromethane	95
Toluene-d8	119
Bromofluorobenzene	96

METHODS: EPA SW 846-8260, 1311

Burgess J. A. Cooke, Ph. D.

12/7/01
Date

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CONOCO, INC.
ATTN: MARK BISHOP
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FAX TO:

Receiving Date: 12/04/01
Reporting Date: 12/07/01
Project Number: NOT GIVEN
Project Name: "DA" COMPRESSOR STATION
Project Location: NOT GIVEN
Lab Number: H6317-1
Sample ID: "DA" COMPRESSOR STATION

Analysis Date: 12/04/01
Sampling Date: 12/03/01
Sample Type: WASTEWATER
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: BC

TCLP SEMIVOLATILES (ppm)	EPA LIMIT	Sample Result H6317-1	Method Blank	QC	% Recov.	True Value QC
Pyridine	5.00	<0.100	<0.002	0.016	32	0.050
1,4-Dichlorobenzene	7.50	<0.100	<0.002	0.026	52	0.050
o-Cresol	200	0.106	<0.002	0.030	60	0.050
m, p-Cresol	200	0.220	<0.002	0.028	56	0.050
Hexachloroethane	3.00	<0.100	<0.002	0.030	60	0.050
Nitrobenzene	2.00	<0.100	<0.002	0.035	70	0.050
Hexachloro-1,3-butadiene	0.500	<0.100	<0.002	0.038	76	0.050
2,4,6-Trichlorophenol	2.00	<0.100	<0.002	0.043	86	0.050
2,4,5-Trichlorophenol	400	<0.100	<0.002	0.039	78	0.050
2,4-Dinitrotoluene	0.130	<0.100	<0.002	0.046	92	0.050
Hexachlorobenzene	0.130	<0.100	<0.002	0.042	84	0.050
Pentachlorophenol	100	<0.100	<0.002	0.041	82	0.050

	% RECOVERY
Fluorophenol	39
Phenol-d5	29
Nitrobenzene-d5	97
2-Fluorobiphenyl	85
2,4,6-Tribromophenol	73
Terphenyl-d14	120

METHODS: EPA SW-846 1311, 8270, 3510
NOTE: Matrix interference observed; dilution required

Burgess J. A. Cooke, Ph. D.

12/7/01
Date

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PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
CONOCO, INC.
ATTN: MARK BISHOP
921 W. SANGER
HOBBS, NM 88240
FAX TO:

Receiving Date: 12/04/01
Reporting Date: 12/11/01
Project Number: NOT GIVEN
Project Name: "DA" COMPRESSOR STATION
Project Location: NOT GIVEN

Sampling Date: 12/3/2001
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:		12/10/01	12/12/01	12/12/01	12/12/01	12/12/01	12/12/01	12/12/01	12/10/01
EPA LIMITS:		5	5	100	1	5	5	0.2	1
H6317-1	"DA" COMPRESSOR STATION	<1	<1	<5	<0.1	<1	<1	<0.02	<0.1
Quality Control		0.154	4.769	22.13	0.991	4.650	4.857	0.0082	0.055
True Value QC		0.150	5.000	25.00	1.000	5.000	5.000	0.0080	0.050
% Recovery		103	95.4	88.8	99.1	93.0	97.1	103.0	110
Relative Standard Deviation		0.5	0.1	1.4	0.1	0.6	2.3	2.5	3.1
METHODS: EPA 1311, 600/4-91/01		206.2	272.1	208.1	213.1	218.1	239.1	245.1	270.2

Gayle A. Potter, Chemist

12/12/2001
Date

H6327m

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CARDINAL LABORATORIES, INC.

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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____

Company Name:	Conoco Inc	BILL TO	PO #:
Project Manager:	Mark Bishop	Company:	
Address:	921 W Sanger	Attn:	
City:	Hobbs State: NM Zip: 88240	Address:	
Phone #:	391-1956	City:	
Fax #:		State:	Zip:
Project #:	Project Owner:	Phone #:	
Project Name:	"DA" Compressor Station	Fax #:	
Project Location:			

ANALYSIS REQUEST

TCLP If BTEX in Conc

FOR LAB USE ONLY				MATRIX						PRES.			SAMPLING	
LAB I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID:	ICE / COOL	OTHER:	DATE	TIME
H6317-1	"DA" Compressor Station				X								12/3/01	

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Terms and Conditions: Interest will be charged on all accounts more than 30 days past due at the rate of 24% per annum from the original date of invoice, and all costs of collections, including attorney's fees.

Sampler Relinquished: Mark Bishop	Date:	Received By:	Phone Result ☐ Yes ☐ No Additional Fax #:
	Time:		Fax Result: ☐ Yes ☐ No
Relinquished By:	Date: 12/4/01	Received By: (Lab Staff)	REMARKS:
	Time: 8:40AM	Burgess A Rodriguez	
Delivered By: (Circle One)	Sample Condition	CHECKED BY:	
Sampler - UPS - Bus - Other:	Cool: ☒ Yes ☐ No Intact: ☐ Yes ☐ No	(Initials)	

† Cardinal cannot accept verbal changes. Please fax written changes to 915-673-7020.

Hobbs, NM 88241-1980
District II - (505) 748-1283
811 S. First
Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Road
Aztec, NM 87410
District IV - (505) 827-7131

Energy Minerals and Natural Resources Department
Oil Conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

RECEIVED
APR 22 2002
Environmental Bureau
Oil Conservation Division

Originate

Submit
Plus
to app
Distri

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☒	4. Generator Conoco Inc.
Verbal Approval Received: Yes ☐ No ☐	5. Originating Site Kemnitz
2. Management Facility Destination SUNDANCE SERVICES INC.	6. Transporter Key
3. Address of Facility Operator P.O. BOX 1737 Eunice NM 88231	8. State NEW MEXICO
7. Location of Material (Street Address or ULSTR) Sec 22	32E 17S

9. Circle One:

A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from Generator; one certificate per job.

(B.) All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous listing or testing will be approved.

All transporters must certify the wastes delivered are only those consigned for transport.

BRIEF DESCRIPTION OF MATERIAL:

Attached are analytical results for compressor station for Conoco Inc. I have included a chain of custody and certificate of waste status. Sundance would like approval to accept this material into our Parabo Facility.

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

SIGNATURE: Donna Roach (Waste Management Facility Authorized Agent) TITLE: OFFICE MGR DATE: 4-10-02

TYPE OR PRINT NAME: DONNA L. ROACH TELEPHONE NO. 505-394-2511

(This space for State Use)

APPROVED BY: [signature] TITLE: Environmental Engr DATE: 4-15-02

APPROVED BY: [signature] TITLE: Environmental Geologist DATE: 4-22-02

04222002

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

COMPANY /GENERATOR CONOCO INC. (CG&P)

ADDRESS 921 W.SANGER HOBBS,NM 88240

GENERATING SITE Kemnitz

GENERATING PROCESS ENGINE /COMPRESSOR OPERATION

REMARKS

NMOCD FACILITY SUNDANCE SERVICES INC.

TRUCKING COMPANY HUGHES TRKING / STEVE CARTER TRKING/ KEY SERVICES

As a condition of acceptance for disposal, I hereby certify that his waste is a non-exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory determinations. 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 Mark Bishop
SIGNATURE

NAME MARK BISHOP
PRINTED

ADDRESS 921 W. SANGER

HOBBS, NM 88240

DATE 2-14-02

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

CARDINAL LABORATORIES, INC.
2111 Beechwood, Abilene, TX 79603 (915) 673-7001 Fax (915) 673-7020
101 East Marland, Hobbs, NM 88240 (505) 393-2326 Fax (505) 393-2476

Page 1 of ____

Company Name:	Conoco Inc
Project Manager:	Jeff Driver
Address:	P.O. Box 90
City:	Maljamar State: NM Zip: 88264
Phone #:	Fax #: 505 676 2401
Project #:	Project Owner:
Project Name:	
Project Location:	
Sampler Name:	

BILL TO

P.O. #:	
Company:	
Attn:	
Address:	
City:	
State:	Zip:
Phone #:	
Fax #:	

ANALYSIS REQUEST

TCLP

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER:	PRESERV: ACID/BASE	ICE / COOL	OTHER:	SAMPLING: DATE	TIME 7:00 AM TO 3:30 PM	TCLP
H5920-1	TT				✓								7-6-01		✓
-2	Jim Baxter				✓								7-6-01		✓
-3	Mack				✓								7-6-01		✓
-4	Chaney				✓								7-6-01		✓
-5	WTT #2				✓								7-6-01		✓
-6	AR				✓								7-6-01		✓
-7	Kemp				✓								7-6-01		✓
-8	Redlake				✓								7-6-01		✓
-9	Skelly				✓								7-6-01		✓
-10	WTT #1				✓								7-6-01		✓

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Sampler Relinquished:	Date:	Received By:	
	Time:		
Relinquished By:	Date: 7-6-01	Received By: (Lab Staff)	
	Time: 4:00 pm		
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Sample Condition: Cool: Yes / No; Intact: Yes / No	CHECKED BY: (Initials)	

Phone Result:	☐ Yes	☐ No	Add'l Phone #:
Fax Result:	☐ Yes	☑ No	Add'l Fax #:

REMARKS:
25- TCLP's Complete @ 1150-2875D
1725
30475

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476.

04/06/2002 12:26 5053932475 CARDINAL LAB HOBBS PAGE 01
10-4-02; 8:18; CONOCO INC.; 5053932475

CARDINAL LABORATORIES

PHONE (915) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603
PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
CONOCO, INC.
ATTN: JEFF DRIVER
P.O. BOX 90
MALJAMAR, NM 88264
FAX TO: (505) 676-2401

Receiving Date: 07/06/01
Reporting Date: 07/16/01
Project Number: NOT GIVEN
Project Name: NOT GIVEN
Project Location: NOT GIVEN

Sampling Date: 07/06/01
Sample Type: SOLID (OIL)
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: AH/BC/GP

LAB NO.	SAMPLE ID	REACTIVITY Sulfide (ppm)	Cyanide (ppm)	CORROSIVITY (pH)	IGNITABILITY (°F)
ANALYSIS DATE:		07/12/01	07/12/01	07/14/01	07/12/01
H5970-6	AR	Not reactive	Not reactive	7.08	>140***
H5970-7	KEMNITZ	Not reactive	Not reactive	7.32	>140***
H5970-12	CALMON	Not reactive	Not reactive	7.14	76
H5970-13	PG	Not reactive*	Not reactive*	7.35	76
H5970-14	COTTON DRAW	Not reactive*	Not reactive*	7.40	133
H5970-16	NEC	Not reactive*	Not reactive*	7.43	104
H5970-20	CALMON	Not reactive**	Not reactive**	7.42	76
H5970-21	CURU	Not reactive**	Not reactive**	7.34	79
H5970-22	PG	Not reactive**	Not reactive**	7.27	>140
H5970-23	CABIN LAKE	Not reactive**	Not reactive**	7.24	107
H5970-24	RAMSEY	Not reactive**	Not reactive**	7.29	>140
H5970-25	MALAGA	Not reactive**	Not reactive**	7.65	>140
Quality Control		NR	NR	6.98	NR
True Value QC		NR	NR	7.00	NR
% Recovery		NR	NR	99.7	NR
Relative Percent Difference		NR	NR	0.5	NR

METHOD: EPA SW 846-7.3, 7.2, 1010, 1311, *40 CFR 261*
*Analysis date: 07/13/01.
**Analysis date: 07/16/01.
***Analysis date: 07/14/01.

Chemist

7/16/01
Date

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ANALYTICAL RESULTS FOR
CONOCO, INC.
ATTN: JEFF DRIVER
P.O. BOX 90
MALJAMAR, NM 88264
FAX TO: (505) 676-2401

Receiving Date: 07/06/01
Reporting Date: 07/16/01
Project Number: NOT GIVEN
Project Name: NOT GIVEN
Project Location: NOT GIVEN
Lab Number: H5970-7
Sample ID: KEM

Extraction Date: 07/12/01
Analysis Date: 07/13/01
Sampling Date: 07/06/01
Sample Type: SOLID (OIL)
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: BC

TCLP SEMIVOLATILES (ppm)	EPA LIMIT	Sample Result H5970-7	Method Blank	QC	% Recov.	True Value QC
Pyridine	5.00	<0.050	<0.005	0.013	26	0.050
1,4-Dichlorobenzene	7.50	<0.050	<0.005	0.028	56	0.050
o-Cresol	200	<0.050	<0.005	0.034	68	0.050
m, p-Cresol	200	<0.050	<0.005	0.035	70	0.050
Hexachloroethane	3.00	<0.050	<0.005	0.024	48	0.050
Nitrobenzene	2.00	<0.050	<0.005	0.041	82	0.050
Hexachloro-1,3-butadiene	0.500	<0.050	<0.005	0.026	52	0.050
2,4,6-Trichlorophenol	2.00	<0.050	<0.005	0.035	70	0.050
2,4,5-Trichlorophenol	400	<0.050	<0.005	0.033	66	0.050
2,4-Dinitrotoluene	0.130	<0.050	<0.005	0.039	78	0.050
Hexachlorobenzene	0.130	<0.050	<0.005	0.041	82	0.050
Pentachlorophenol	100	<0.050	<0.005	0.036	72	0.050

	% RECOVERY
Fluorophenol	60
Phenol-d5	48
Nitrobenzene-d5	114
2-Fluorobiphenyl	90
2,4,6-Tribromophenol	97
Terphenyl-d14	108

METHODS: EPA SW 846-8270, 1311, 3510

Burgess J. A. Cooke, Ph. D.

7/16/01
Date

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PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
CONOCO, INC.
ATTN: JEFF DRIVER
P.O. BOX 90
MALJAMAR, NM 88264
FAX TO: (505) 676-2401

Receiving Date: 07/06/01
Reporting Date: 07/12/01
Project Number: NOT GIVEN
Project Name: NOT GIVEN
Project Location: NOT GIVEN

Sampling Date: 07/06/01
Sample Type: SOLID (OIL)
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: AH/GP

TCLP METALS

LAB NUMBER	SAMPLE ID	As ppm	Ag ppm	Ba ppm	Cd ppm	Cr ppm	Pb ppm	Hg ppm	Se ppm
ANALYSIS DATE:		07/11/01	07/12/01	07/11/01	07/12/01	07/11/01	07/12/01	07/11/01	07/12/01
EPA LIMITS:		5	5	100	1	5	5	0.2	1
H5970-6	AR	<1	<1	<5	<0.1	<1	<1	<0.02	<0.1
H5970-7	KEM	<1	<1	<5	<0.1	<1	<1	<0.02	<0.1
H5970-12	CALMON	<1	<1	<5	<0.1	<1	<1	<0.02	<0.1
H5970-13	PG	<1	<1	<5	<0.1	<1	<1	<0.02	<0.1
H5970-14	COTTON DRAW	<1	<1	<5	<0.1	<2	<1	<0.02	<0.1
H5970-16	NEC	<1	<1	<5	<0.1	<2	<1	<0.02	<0.1
H5970-20	CALMON	<1	<1	<5	<0.1	<2	<1	<0.02	<0.1
H5970-21	CURU	<1	<1	<5	<0.2	<2	<1	<0.02	<0.1
H5970-22	PG	<1	<1	<5	<0.1	<2	<1	<0.02	<0.1
H5970-23	CABIN LAKE	<1	<1	<5	<0.1	<2	<1	<0.02	<0.1
H5970-24	RAMSEY	<1	<1	<5	<0.1	<2	<1	<0.02	<0.1
H5970-25	MALAGA	<1	<1	<5	<0.1	<2	<1	<0.02	<0.1
Quality Control		0.052	4.807	23.05	1.005	5.052	4.874	0.0109	0.049
True Value QC		0.050	5.000	25.00	1.000	5.000	5.000	0.0100	0.050
% Recovery		104	96.1	92.2	101	101	97.5	109	98.0
Relative Percent Difference		1.8	0.1	4.0	0.6	1.0	4.0	10.8	1.2
METHODS: EPA 1311, 600/4-78-020		206.2	272.1	208.1	213.1	218.1	239.1	245.1	270.2

Chemist

07/16/2001
Date

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PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
CONOCO, INC.
ATTN: JEFF DRIVER
P.O. BOX 90
MALJAMAR, NM 88264
FAX TO: (505) 676-2401

Receiving Date: 07/06/01
Reporting Date: 07/12/01
Project Number: NOT GIVEN
Project Name: NOT GIVEN
Project Location: NOT GIVEN
Lab Number: H5970-7
Sample ID: KEM

Analysis Date: 07/11/01
Sampling Date: 07/06/01
Sample Type: SOLID (OIL)
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: BC

TCLP VOLATILES (ppm)	EPA LIMIT	Sample Result H5970-7	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	0.095	95	0.100
Methyl Ethyl Ketone	200	0.108	<0.050	0.110	110	0.100
Chloroform	6.0	0.010	<0.005	0.091	91	0.100
1,2-Dichloroethane	0.5	<0.005	<0.005	0.098	98	0.100
Benzene	0.5	0.012	<0.005	0.098	98	0.100
Carbon Tetrachloride	0.6	<0.005	<0.005	0.110	110	0.100
Trichloroethylene	0.5	<0.005	<0.005	0.103	103	0.100
Tetrachloroethylene	0.7	<0.005	<0.005	0.100	100	0.100
Chlorobenzene	100	<0.005	<0.005	0.104	104	0.100
1,4-Dichlorobenzene	7.5	<0.005	<0.005	0.092	92	0.100

	% RECOVERY
Dibromofluoromethane	98
Toluene-d8	97
Bromofluorobenzene	99

METHODS: EPA SW 846-8260, 1311

Burgess J. A. Cooke, Ph. D.

7/12/01
Date

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Hobbs, NM 88241-1980
District II - (505) 748-1283
811 S. First
Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Road
Aztec, NM 87410
District IV - (505) 827-7131

Energy Minerals and Natural Resources Department
Oil Conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

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Environmental Bureau
Oil Conservation Division

Form C-1
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to appropr
District Of

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☒ Verbal Approval Received: Yes ☐ No ☐	4. Generator Electric Submersib PUMP 5. Originating Site Hobbs Yard
2. Management Facility Destination SUNDANCE SERVICES INC.	6. Transporter unknown
3. Address of Facility Operator P.O. BOX 1737 Eunice NM 88231	8. State NEW MEXICO
7. Location of Material (Street Address or ULSTR) 8426 N. Dal Paso Hobbs, NM 88241	

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:

The following analytical results are from Electric Submersible Pump's Hobbs facility. This waste is generated by the washing off of oil field rental tools. All equipment is washed into the sump and pumped to a waste water tank outside the building in a bermed area. I have attached a certificate of waste and chain of custody. Sundance would like approval to accept this material into our Parabo facility.

Estimated Volume 240 bbls. cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE: Donna L. Roach (Waste Management Facility Authorized Agent) TITLE: OFFICE MGR DATE: 3-6-02

TYPE OR PRINT NAME: DONNA L. ROACH TELEPHONE NO. 505-394-2511

(This space for State Use)

APPROVED BY: _____ TITLE: Environmental Engr DATE: 3-18-01

APPROVED BY: _____ TITLE: Environmental Ecologist DATE: 3-25-02

1-20470

CERTIFICATE OF WASTE STATUS

NON-EXEMPT WASTE MATERIAL

ORIGINATING LOCATION: Electric Submersible Pumps, Inc

SOURCE: Oilfield Riasate

DISPOSAL LOCATION: Sundance Services
P.O. Box 1737 Eunice, N.M. 88231

As a condition of acceptance for disposal, I hearby 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 no "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has been added or mixed with the waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, Section 261.3.

I, the undersigned as the agent for ESP concur with the status of the waste from the subject site.

Name Rodrigo Bucala

Title/Angency ESP

Address 3426 N. Dal Paso
Hobbs, N.M. 88240

Signature Rodrigo Bucala

Date 3-6-02

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

CARDINAL LABORATORIES, INC.

2111 Beechwood, Abilene, TX 79603 (915) 673-7001 Fax (915) 673-7020

101 East Marland, Hobbs, NM 88240 (505) 393-2326 Fax (505) 393-2476

Page____ of ____

Company Name: Wood Group ESP	BILL TO
Project Manager: Rodrigo Bustos	P.O. #: 9904
Address: 8426 N. Dal Paso	Company:
City: Hobbs State: N.M. Zip: 88240	Attn:
Phone #: (505) 392-7999 Fax #: (505) 392-8190	Address:
Project #: Project Owner:	City:
Project Name:	State: Zip:
Project Location:	Phone #:
Sampler Name:	Fax #:

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER:	PRESERV: ACID/BASE:	ICE / COOL	OTHER:	SAMPLING: DATE	TIME	ANALYSIS REQUEST: TCLP
H6126-1	Test Water				X								9/7/01		X

FUTURE 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 the client for the 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 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.

Terms and Conditions: Interest will be charged on all accounts more than 30 days past date of the invoice at the rate of 24% per annum from the original date of invoice, and all costs of collections, including attorney's fees.

Sampler Relinquished: Rodrigo Bustos	Date:	Received By:	Phone Result: ☐ Yes ☐ No Add'l Phone #:
	Time:		Fax Result: ☐ Yes ☐ No Add'l Fax #:
Relinquished By:	Date: 9/7/01 Time: 9:60	Received By: (Lab Staff)	REMARKS:
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Sample Condition Cool: ☒ Yes ☐ No Intact: ☒ Yes ☐ No	CHECKED BY: (Initials)	

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476.

CARDINAL LABORATORIES

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PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
WOOD GROUP ESP
ATTN: RODRIGO BURROLA
8426 N. DAL PASO
HOBBS, NM 88240
FAX TO: (505) 392-8190

Receiving Date: 09/04/01
Reporting Date: 09/05/01
Project Number: NOT GIVEN
Project Name: NOT GIVEN
Project Location: NOT GIVEN
Lab Number: H6128-1
Sample ID: TEST WATER

Analysis Date: 09/04/01
Sampling Date: 09/04/01
Sample Type: WASTEWATER
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: BC

TCLP VOLATILES (ppm)	EPA LIMIT	Sample Result H6128-1	Method Blank	QC	%Recov.	True Value QC
Vinyl Chloride	0.20	<0.005	<0.005	0.106	106	0.100
1,1-Dichloroethylene	0.7	<0.005	<0.005	0.092	92	0.100
Methyl Ethyl Ketone	200	<0.050	<0.050	0.115	115	0.100
Chloroform	6.0	<0.005	<0.005	0.091	91	0.100
1,2-Dichloroethane	0.5	<0.005	<0.005	0.088	88	0.100
Benzene	0.5	0.011	<0.005	0.096	96	0.100
Carbon Tetrachloride	0.5	<0.005	<0.005	0.090	90	0.100
Trichloroethylene	0.5	0.104	<0.005	0.098	98	0.100
Tetrachloroethylene	0.7	<0.005	<0.005	0.084	84	0.100
Chlorobenzene	100	<0.005	<0.005	0.096	96	0.100
1,4-Dichlorobenzene	7.5	<0.005	<0.005	0.089	89	0.100

	% RECOVERY
Dibromofluoromethane	103
Toluene-d8	111
Bromofluorobenzene	108

METHODS: EPA SW 846-8260, 1311

Burgess J. A. Cooke, Ph. D.

9/5/01
Date

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ANALYTICAL RESULTS FOR
WOOD GROUP ESP
ATTN: RODRIGO BURROLA
8426 N. DAL PASO
HOBBS, NM 88240
FAX TO: (505) 392-8190

Receiving Date: 09/04/01
Reporting Date: 09/11/01
Project Number: NOT GIVEN
Project Name: NOT GIVEN
Project Location: NOT GIVEN
Lab Number: H6128-1
Sample ID: TEST WATER

Extraction Date: 09/04/01
Analysis Date: 09/10/01
Sampling Date: 09/04/01
Sample Type: WASTEWATER
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: BC

TCLP SEMIVOLATILES (ppm)	EPA LIMIT	Sample Result H6128-1	Method Blank	QC	% Recov.	True Value QC
Pyridine	5.00	<0.020	<0.005	0.006	12	0.050
1,4-Dichlorobenzene	7.50	<0.020	<0.005	0.028	56	0.050
o-Cresol	200	<0.020	<0.005	0.036	72	0.050
m, p-Cresol	200	<0.020	<0.005	0.036	72	0.050
Hexachloroethane	3.00	<0.020	<0.005	0.024	48	0.050
Nitrobenzene	2.00	<0.020	<0.005	0.044	88	0.050
Hexachloro-1,3-butadiene	0.500	<0.020	<0.005	0.029	58	0.050
2,4,6-Trichlorophenol	2.00	<0.020	<0.005	0.043	86	0.050
2,4,5-Trichlorophenol	400	<0.020	<0.005	0.042	84	0.050
2,4-Dinitrotoluene	0.130	<0.020	<0.005	0.046	92	0.050
Hexachlorobenzene	0.130	<0.020	<0.005	0.047	94	0.050
Pentachlorophenol	100	<0.020	<0.005	0.051	102	0.050

	% RECOVERY
Fluorophenol	36
Phenol-d5	24
Nitrobenzene-d5	75
2-Fluorobiphenyl	59
2,4,6-Tribromophenol	39
Terphenyl-d14	75

METHODS: EPA SW 846-8270, 1311, 3510

Burgess J.A. Cooke, Ph. D.

Date 9/11/01

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PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
WOOD GROUP ESP
ATTN: RODRIGO BURROLA
8426 N. DAL PASO
HOBBS, NM 88240
FAX TO: (505) 392-8190

Receiving Date: 09/04/01
Reporting Date: 09/07/1
Project Number: NOT GIVEN
Project Name: NOT GIVEN
Project Location: NOT GIVEN

Sampling Date: 09/04/01
Sample Type: WASTEWATER
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: AH/BC

LAB NUMBER SAMPLE ID	REACTIVITY Sulfide (ppm)	REACTIVITY Cyanide (ppm)	CORROSIVITY (pH)	IGNITABILITY (°F)
ANALYSIS DATE:	09/05/01	09/05/01	09/05/01	09/06/01
H6128-1	Not reactive	Not reactive	7.17	>140
Quality Control	NR	NR	6.94	NR
True Value QC	NR	NR	7.00	NR
% Recovery	NR	NR	99.1	NR
Relative Percent Difference	NR	NR	0.7	NR

METHOD: EPA SW 846-7.3, 7.2, 1010, 1311, *40 CFR 261*

Chemist

9/7/01
Date

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H6128.XLS

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ANALYTICAL RESULTS FOR
WOOD GROUP ESP
ATTN: RODRIGO BURROLA
8426 N. DAL PASO
HOBBS, NM 88240
FAX TO: (505) 392-8190

Receiving Date: 09/04/01
Reporting Date: 09/07/01
Project Number: NOT GIVEN
Project Name: NOT GIVEN
Project Location: NOT GIVEN

Sampling Date: 09/04/01
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:	09/06/01	09/07/01	09/07/01	09/07/01	09/07/01	09/07/01	09/07/01	09/06/01
EPA LIMITS:	5	5	100	1	5	5	0.2	1
H6128-1 TEST WATER	<1	<1	<5	<0.1	<1	<1	<0.02	<0.1
Quality Control	0.048	4.530	21.90	0.994	4.878	5.062	0.0107	0.199
True Value QC	0.050	5.000	25.00	1.000	5.000	5.000	0.0100	0.200
% Recovery	96.0	90.6	87.6	99.4	97.6	101	107	99.5
Relative Standard Deviation	2.2	0.2	1.4	0.7	0.9	1.4	6.5	2.2
METHODS: EPA 1311, 600/4-79-	206.2	272.1	208.1	213.1	218.1	239.1	245.1	270.2

Amy Hill
Chemist

9-7-01
Date

H6128M.XLS

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Artesia, NM 88210
District III · (505) 334-6178
1000 Rio Brazos Road
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Energy Minerals and Natural Resources Department
Oil Conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

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REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☒	4. Generator Conoco Inc.
Verbal Approval Received: Yes (X) No ☐	5. Originating Site Anderson Ra
2. Management Facility Destination SUNDANCE SERVICES INC.	6. Transporter Key
3. Address of Facility Operator P.O. BOX 1737 Eunice NM 88231	8. State NEW MEXICO
7. Location of Material (Street Address or ULSTR) S13 T16S R32E	

9. Circle One:

A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste fro Generator; one certificate per job.

(B.) All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analy PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardo listing or testing will be approved.

All transporters must certify the wastes delivered are only those consigned for transport.

BRIEF DESCRIPTION OF MATERIAL:

Attached are analytical results for compressor station for Conoco Inc. I have included a chain of custody and certificate of waste status. Sundance would like approval to accept this material into our Parabo Facility.

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

SIGNATURE: Donna Roach TITLE: OFFICE MGR DATE: _____
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: DONNA L. ROACH TELEPHONE NO. 505-394-2511

(This space for State Use)

APPROVED BY: _____ TITLE: _____ DATE: _____

APPROVED BY: Martyn J Kelly TITLE: Environmental Geologist DATE: 3-25-02

District II - (505) 748-1283
811 S. First
Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Road
Aztec, NM 87410
District IV - (505) 827-7131

Energy, Minerals and Natural Resources Department
Oil Conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☒	4. Generator Conoco Inc.
Verbal Approval Received: Yes ☐ No ☐	5. Originating Site Anderson K
2. Management Facility Destination SUNDANCE SERVICES INC.	6. Transporter Key
3. Address of Facility Operator P.O. BOX 1737 Eunice NM 88231	8. State NEW MEXICO
7. Location of Material (Street Address or ULSTR) S13 T16S R32E	

9. Circle One:

A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste f Generator; one certificate per job.

(B.) All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical an: PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazar listing or testing will be approved.

All transporters must certify the wastes delivered are only those consigned for transport.

BRIEF DESCRIPTION OF MATERIAL:

Attached are analytical results for compressor station for Conoco Inc. I have included a chain of custody and certificate of waste status. Sundance would like approval to accept this material into our Parabo Facility.

Excessive Rain on 3-19-02. Must Move To Prevent tank overflow MJK

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

SIGNATURE: Donna Roach Waste Management Facility Authorized Agent TITLE: OFFICE MGR DATE: _____

TYPE OR PRINT NAME: DONNA L. ROACH TELEPHONE NO. 505-394-2511

(This space for State Use)

APPROVED BY: _____ TITLE: _____ DATE: _____

APPROVED BY: Martyn J Kirk TITLE: Environmental Geologist DATE: 3-20-02

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

COMPANY /GENERATOR CONOCO INC. (CG&P)

ADDRESS 921 W.SANGER HOBBS,NM 88240

GENERATING SITE Anderson Ranch

GENERATING PROCESS ENGINE /COMPRESSOR OPERATION

REMARKS

NMOCD FACILITY SUNDANCE SERVICES INC.

TRUCKING COMPANY HUGHES TRKING / STEVE CARTER TRKING/ KEY SERVICES

As a condition of acceptance for disposal, I hereby certify that his waste is a non-exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory determinations. 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 Mark Bishop
SIGNATURE

NAME MARK BISHOP
PRINTED

ADDRESS 921 W. SANGER

HOBBS, NM 88240

DATE 2-14-02

SPL, Inc.

Analysis Request & Chain of Custody Record

SPL Workorder No: 099125

page 1 of 1

Client Name: Conoco Inc
Address/Phone: 505 391 1956
Client Contact: Mark Bishop
Project Name: Anderson Ranch Non Exempt Flux
Project Number:
Project Location: Southeast New Mexico operating unit
Invoice To: 921 W Sanger Hobbs NM 88240

SAMPLE ID	DATE	TIME	comp	grab	matrix (W=water SL=sludge S=soil O=other:)	bottle (P=plastic G=glass A=amber glass V=vial)	size (1=1 liter 8=8oz 4=4oz 16=16oz 40=vial)	pres. (1=HCl 3=H2SO4 2=HNO3 O=other:)	Number of Containers	Requested Analysis
Anderson Ranch	2-11-02	7:30A			W	G	2 Quarts		2	TCLP
This is drain water from a compressor skid that must be tested every other year for hazardous properties										

Client/Consultant Remarks:
E Mail results to mark.a.bishop@conoco.com

Laboratory remarks: 2.8°C 40 ml vol cc

Intact? ☐ Y ☐ N
Temp:

Requested TAT

24hr ☐ 72hr ☐
48hr ☐ Standard ☑
Other ☐ _____

Special Reporting Requirements: Fax Results ☐ Raw Data ☐ Standard QC ☐ Level 3 QC ☐ Level 4 QC ☐

Special Detection Limits (specify):

PM review (initial):

	date	time	
1. Relinquished by Sampler: Mark Bishop			2. Received by: 2-12-02 0830
3. Relinquished by:			4. Received by:
5. Relinquished by:			6. Received by Laboratory:

☐ 8880 Interchange Drive, Houston, TX 77054 (713) 660-0901
☐ 500 Ambassador Caffery Parkway, Scott, LA 70583 (318) 237-4775
☐ 459 Hughes Drive, Traverse City, MI 49684 (616) 947-5777

Certificate of Analysis

STL Austin
14046 Summit Drive
Austin, Texas 78728

Tel: 512 244 0855
Fax: 512 244 0160
www.stl-inc.com

STL Austin

ANALYTICAL REPORT

PROJECT NO. ANDERSON RANCH

Southeast NM Operating Unit

Lot #: I2B130271

Mark Bishop

Conoco
921 Sauger
Hobbs, NM 88240

SEVERN TRENT LABORATORIES, INC.

Carla M. Butler
Project Manager

March 8, 2002

American Council of Independent Laboratories
International Association of Environmental Testing Laboratories

STL Austin is a part of Severn Trent Laboratories, Inc.

CASE NARRATIVE

I2B130271

Samples received in good condition within acceptable cooler temperature. Mr. Mark Bishop advised by telephone that the analysis required were TCLP VOA, TCLP SVOC, TCLP metals, reactive cyanide, reactive sulfide, ignitability, and pH.

Because not performed at time of collection, the pH analysis is considered out of hold time.

Recoveries of mercury and reactive cyanide were outside limits for the Matrix Spike/Matrix Spike Duplicate of sample 001.

EXECUTIVE SUMMARY - Detection Highlights

I2B130271

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD
ANDERSON RANCH 02/11/02 07:30 001				
m-Cresol & p-Cresol	0.12	0.10	mg/L	SW846 8270C
Flashpoint	>200	--	deg F	SW846 1020A
pH (liquid)	4.6 H	0.10	No Units	SW846 9040B

ANALYTICAL METHODS SUMMARY

I2B130271

PARAMETER	ANALYTICAL METHOD
pH Aqueous	SW846 9040B
Ignitability	SW846 1020A
Mercury in Liquid Waste (Manual Cold-Vapor)	SW846 7470A
Reactive Cyanide	SW846 7.3.3
Reactive Sulfide	SW846 7.3.4
Semivolatile Organic Compounds by GC/MS	SW846 8270C
Trace Inductively Coupled Plasma (ICP) Metals	SW846 6010B
Volatile Organics by GC/MS	SW846 8260B

References:

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

METHOD / ANALYST SUMMARY

I2B130271

ANALYTICAL METHOD	ANALYST	ANALYST ID
SW846 1020A	David A. Tocher	800002
SW846 6010B	Kenneth Free	800011
SW846 7.3.3	David A. Tocher	800002
SW846 7.3.4	David A. Tocher	800002
SW846 7470A	Dung (Minh) Le	038027
SW846 8260B	Ron Guillett	400174
SW846 8270C	Mark Malloy	001515
SW846 9040B	Yesenia Rodriquez	004124

References:

SW846 "Test Methods for Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 and its updates.

SAMPLE SUMMARY

I2B130271

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
ET3V6	001	ANDERSON RANCH	02/11/02	07:30

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- Results noted as "ND" were not detected at or above the stated limit.
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

CONOCO NG & GP

Client Sample ID: ANDERSON RANCH

TCLP GC/MS Volatiles

Lot-Sample #...: I2B130271-001 Work Order #...: ET3V61AA Matrix.....: WATER
Date Sampled...: 02/11/02 07:30 Date Received..: 02/12/02
Leach Date.....: 02/19/02 Prep Date.....: 02/19/02 Analysis Date..: 02/20/02
Leach Batch #..: P205007 Prep Batch #...: 2055124
Dilution Factor: 1
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	ND	0.050	mg/L
Carbon tetrachloride	ND	0.050	mg/L
Chlorobenzene	ND	0.050	mg/L
Chloroform	ND	0.050	mg/L
1,2-Dichloroethane	ND	0.050	mg/L
1,1-Dichloroethylene	ND	0.050	mg/L
Methyl ethyl ketone	ND	0.20	mg/L
Tetrachloroethylene	ND	0.050	mg/L
Trichloroethylene	ND	0.050	mg/L
Vinyl chloride	ND	0.10	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene	99	(74 - 134)
Toluene-d8	97	(85 - 125)
Dibromofluoromethane	96	(69 - 136)
1,2-Dichloroethane-d4	98	(75 - 134)

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

CONOCO MG & GP

Client Sample ID: ANDERSON RANCH

TCLP GC/MS Semivolatiles

Lot-Sample #...: I2B130271-001 Work Order #...: ET3V61AC Matrix.....: WATER
Date Sampled...: 02/11/02 07:30 Date Received..: 02/12/02
Leach Date.....: 02/22/02 Prep Date.....: 02/22/02 Analysis Date..: 02/26/02
Leach Batch #..: P205310 Prep Batch #...: 2053385
Dilution Factor: 1
Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
o-Cresol	ND	0.050	mg/L
m-Cresol & p-Cresol	0.12	0.10	mg/L
1,4-Dichlorobenzene	ND	0.050	mg/L
2,4-Dinitrotoluene	ND	0.050	mg/L
Hexachlorobenzene	ND	0.050	mg/L
Hexachlorobutadiene	ND	0.050	mg/L
Hexachloroethane	ND	0.050	mg/L
Nitrobenzene	ND	0.050	mg/L
Pentachlorophenol	ND	0.25	mg/L
Pyridine	ND	0.10	mg/L
2,4,5-Trichlorophenol	ND	0.050	mg/L
2,4,6-Trichlorophenol	ND	0.050	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	85	(42 - 114)
Phenol-d5	55	(48 - 115)
Nitrobenzene-d5	97	(63 - 107)
2-Fluorobiphenyl	90	(52 - 108)
2,4,6-Tribromophenol	116	(55 - 117)
Terphenyl-d14	73	(37 - 129)

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

CONOCO NG & GP

Client Sample ID: ANDERSON RANCH

General Chemistry

Lot-Sample #...: I2B130271-001 Work Order #...: ET3V6 Matrix.....: WATER
Date Sampled...: 02/11/02 07:30 Date Received..: 02/12/02

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH (liquid)	4.6 H	0.10	No Units	SW846 9040B	02/15/02	2046270
	Dilution Factor: 1					
Flashpoint	>200	--	deg F	SW846 1020A	03/07/02	2066170
	Dilution Factor: 1					
Reactive Cyanide	ND	200	mg/L	SW846 7.3.3	02/14-02/16/02	2047108
	Dilution Factor: 1					
Reactive Sulfide	ND	200	mg/L	SW846 7.3.4	02/14-02/15/02	2046168
	Dilution Factor: 1					

NOTE(S):

RL Reporting Limit

H The sample was prepared or analyzed after the EPA recommended holding time had been exceeded.

CONOCO NG & GP

Client Sample ID: ANDERSON RANCH

TCLP Metals

Lot-Sample #...: I2B130271-001 Matrix.....: WATER
Date Sampled...: 02/11/02 07:30 Date Received..: 02/12/02
Leach Date.....: 02/22/02 Leach Batch #..: P205310

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 2056272						
Arsenic	ND	0.50	mg/L	SW846 6010B	02/25-02/26/02	ET3V61AD
		Dilution Factor: 1				
Barium	ND	10.0	mg/L	SW846 6010B	02/25-02/26/02	ET3V61AE
		Dilution Factor: 1				
Cadmium	ND	0.10	mg/L	SW846 6010B	02/25-02/26/02	ET3V61AF
		Dilution Factor: 1				
Chromium	ND	0.50	mg/L	SW846 6010B	02/25-02/26/02	ET3V61AG
		Dilution Factor: 1				
Lead	ND	0.50	mg/L	SW846 6010B	02/25-02/26/02	ET3V61AH
		Dilution Factor: 1				
Selenium	ND	0.25	mg/L	SW846 6010B	02/25-02/26/02	ET3V61AJ
		Dilution Factor: 1				
Silver	ND	0.50	mg/L	SW846 6010B	02/25-02/26/02	ET3V61AK
		Dilution Factor: 1				
Prep Batch #...: 2059504						
Mercury	ND	0.0020	mg/L	SW846 7470A	02/28-03/01/02	ET3V61AL
		Dilution Factor: 1				

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

METHOD BLANK REPORT

GC/MS Semivolatiles

Client Lot #...: I2B130271 **Work Order #...:** EVHL31AA **Matrix.....:** WATER
MB Lot-Sample #: I2B220000-385

Prep Date.....: 02/22/02
Analysis Date..: 02/26/02 **Prep Batch #...:** 2053385
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
o-Cresol	ND	0.050	mg/L	SW846 8270C
m-Cresol & p-Cresol	ND	0.10	mg/L	SW846 8270C
1,4-Dichlorobenzene	ND	0.050	mg/L	SW846 8270C
2,4-Dinitrotoluene	ND	0.050	mg/L	SW846 8270C
Hexachlorobenzene	ND	0.050	mg/L	SW846 8270C
Hexachlorobutadiene	ND	0.050	mg/L	SW846 8270C
Hexachloroethane	ND	0.050	mg/L	SW846 8270C
Nitrobenzene	ND	0.050	mg/L	SW846 8270C
Pentachlorophenol	ND	0.25	mg/L	SW846 8270C
Pyridine	ND	0.10	mg/L	SW846 8270C
2,4,5-Trichloro-phenol	ND	0.050	mg/L	SW846 8270C
2,4,6-Trichloro-phenol	ND	0.050	mg/L	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	85	(42 - 114)
Phenol-d5	81	(48 - 115)
Nitrobenzene-d5	94	(63 - 107)
2-Fluorobiphenyl	89	(52 - 108)
2,4,6-Tribromophenol	97	(55 - 117)
Terphenyl-d14	72	(37 - 129)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

GC/MS Volatiles

Client Lot #...: I2B130271 **Work Order #...:** EVJNV1AA **Matrix.....:** WATER
MB Lot-Sample #: I2B240000-124

Prep Date.....: 02/19/02
Analysis Date..: 02/19/02 **Prep Batch #...:** 2055124
Dilution Factor: 1

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD
Benzene	ND	0.050	mg/L	SW846 8260B
Carbon tetrachloride	ND	0.050	mg/L	SW846 8260B
Chlorobenzene	ND	0.050	mg/L	SW846 8260B
Chloroform	ND	0.050	mg/L	SW846 8260B
1,2-Dichloroethane	ND	0.050	mg/L	SW846 8260B
1,1-Dichloroethylene	ND	0.050	mg/L	SW846 8260B
Methyl ethyl ketone	ND	0.20	mg/L	SW846 8260B
Tetrachloroethylene	ND	0.050	mg/L	SW846 8260B
Trichloroethylene	ND	0.050	mg/L	SW846 8260B
Vinyl chloride	ND	0.10	mg/L	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene	96	(74 - 134)
Toluene-d8	98	(85 - 125)
Dibromofluoromethane	98	(69 - 136)
1,2-Dichloroethane-d4	96	(75 - 134)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

General Chemistry

Client Lot #...: I2B130271 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Reactive Cyanide		Work Order #: ET81M1AA		MB Lot-Sample #:	I2B160000-108	
	ND	200	mg/L	SW846 7.3.3	02/14-02/16/02	2047108
		Dilution Factor: 1				
Reactive Sulfide		Work Order #: ET6RE1AA		MB Lot-Sample #:	I2B150000-168	
	ND	200	mg/L	SW846 7.3.4	02/14-02/15/02	2046168
		Dilution Factor: 1				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

METHOD BLANK REPORT

TCLP Metals

Client Lot #...: I2B130271 **Matrix.....:** WATER

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MB Lot-Sample #: I2B250000-272 **Prep Batch #...:** 2056272						
Arsenic	ND	0.50	mg/L	SW846 6010B	02/25-02/26/02	EVJ8C1AA
		Dilution Factor: 1				
Barium	ND	10.0	mg/L	SW846 6010B	02/25-02/26/02	EVJ8C1AC
		Dilution Factor: 1				
Cadmium	ND	0.10	mg/L	SW846 6010B	02/25-02/26/02	EVJ8C1AD
		Dilution Factor: 1				
Chromium	ND	0.50	mg/L	SW846 6010B	02/25-02/26/02	EVJ8C1AE
		Dilution Factor: 1				
Lead	ND	0.50	mg/L	SW846 6010B	02/25-02/26/02	EVJ8C1AF
		Dilution Factor: 1				
Selenium	ND	0.25	mg/L	SW846 6010B	02/25-02/26/02	EVJ8C1AG
		Dilution Factor: 1				
Silver	ND	0.50	mg/L	SW846 6010B	02/25-02/26/02	EVJ8C1AH
		Dilution Factor: 1				
MB Lot-Sample #: I2B280000-504 **Prep Batch #...:** 2059504						
Mercury	ND	0.0020	mg/L	SW846 7470A	02/28-03/01/02	EVQ6J1AA
		Dilution Factor: 1				

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

TCLP Metals

Lot-Sample #...: I2B130271 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP-BATCH #
Arsenic	97	(80 - 120)			SW846 6010B	02/25-02/26/02	2056272
	96	(80 - 120)	0.38	(0-20)	SW846 6010B	02/25-02/26/02	2056272
		Dilution Factor: 5					
Barium	95	(80 - 120)			SW846 6010B	02/25-02/26/02	2056272
	94	(80 - 120)	0.43	(0-20)	SW846 6010B	02/25-02/26/02	2056272
		Dilution Factor: 5					
Cadmium	101	(80 - 120)			SW846 6010B	02/25-02/26/02	2056272
	100	(80 - 120)	1.2	(0-20)	SW846 6010B	02/25-02/26/02	2056272
		Dilution Factor: 5					
Chromium	95	(80 - 120)			SW846 6010B	02/25-02/26/02	2056272
	94	(80 - 120)	0.89	(0-20)	SW846 6010B	02/25-02/26/02	2056272
		Dilution Factor: 5					
Lead	102	(80 - 120)			SW846 6010B	02/25-02/26/02	2056272
	101	(80 - 120)	0.55	(0-20)	SW846 6010B	02/25-02/26/02	2056272
		Dilution Factor: 5					
Selenium	97	(80 - 120)			SW846 6010B	02/25-02/26/02	2056272
	99	(80 - 120)	1.6	(0-20)	SW846 6010B	02/25-02/26/02	2056272
		Dilution Factor: 5					
Silver	96	(80 - 120)			SW846 6010B	02/25-02/26/02	2056272
	96	(80 - 120)	0.18	(0-20)	SW846 6010B	02/25-02/26/02	2056272
		Dilution Factor: 5					
Mercury	99	(80 - 120)			SW846 7470A	02/28-03/01/02	2059504
	97	(80 - 120)	1.6	(0-20)	SW846 7470A	02/28-03/01/02	2059504
		Dilution Factor: 1					

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Semivolatiles

Client Lot #...: I2B130271 Work Order #...: EVHL31AC Matrix.....: WATER
LCS Lot-Sample#: I2B220000-385
Prep Date.....: 02/22/02 Analysis Date..: 02/26/02
Prep Batch #...: 2053385
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
o-Cresol	**80**	**(59 - 115)**	**SW846 8270C**
m-Cresol & p-Cresol	**87**	**(56 - 143)**	**SW846 8270C**
1,4-Dichlorobenzene	**81**	**(51 - 115)**	**SW846 8270C**
2,4-Dinitrotoluene	**110**	**(72 - 117)**	**SW846 8270C**
Hexachlorobenzene	**94**	**(58 - 119)**	**SW846 8270C**
Hexachlorobutadiene	**77**	**(50 - 119)**	**SW846 8270C**
Hexachloroethane	**81**	**(50 - 124)**	**SW846 8270C**
Nitrobenzene	**88**	**(63 - 109)**	**SW846 8270C**
Pentachlorpphenol	**104**	**(58 - 137)**	**SW846 8270C**
2,4,5-Trichloro-phenol	**93**	**(70 - 121)**	**SW846 8270C**
2,4,6-Trichloro-phenol	**92**	**(69 - 116)**	**SW846 8270C**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	92	(42 - 114)
Phenol-d5	86	(48 - 115)
Nitrobenzene-d5	97	(63 - 107)
2-Fluorobiphenyl	96	(52 - 108)
2,4,6-Tribromophenol	106	(55 - 117)
Terphenyl-d14	91	(37 - 129)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

GC/MS Volatiles

Client Lot #...: I2B130271 Work Order #...: EVJNV1AC Matrix.....: WATER
LCS Lot-Sample#: I2B240000-124
Prep Date.....: 02/19/02 Analysis Date..: 02/19/02
Prep Batch #...: 2055124
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD
Benzene	**106**	**(80 - 122)**	**SW846 8260B**
Carbon tetrachloride	**106**	**(85 - 113)**	**SW846 8260B**
Chlorobenzene	**100**	**(81 - 123)**	**SW846 8260B**
Chloroform	**97**	**(85 - 116)**	**SW846 8260B**
1,2-Dichloroethane	**90**	**(86 - 115)**	**SW846 8260B**
1,1-Dichloroethylene	**93**	**(51 - 131)**	**SW846 8260B**
Methyl ethyl ketone	**91**	**(54 - 156)**	**SW846 8260B**
Tetrachloroethylene	**118**	**(71 - 136)**	**SW846 8260B**
Trichloroethylene	**97**	**(78 - 124)**	**SW846 8260B**
Vinyl chloride	**80**	**(55 - 151)**	**SW846 8260B**
1,4-Dichlorobenzene	**105**	**(79 - 118)**	**SW846 8260B**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene	98	(74 - 134)
Toluene-d8	99	(85 - 125)
Dibromofluoromethane	97	(69 - 136)
1,2-Dichloroethane-d4	94	(75 - 134)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

LABORATORY CONTROL SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: I2B130271 **Matrix.....:** WATER

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH (liquid)		Work Order #: ET6591AA	LCS Lot-Sample#: I2B150000-270		
	100	(90 - 110)	SW846 9040B	02/15/02	2046270
		Dilution Factor: 1			
Flashpoint		Work Order #: EV2QH1AA	LCS Lot-Sample#: I2C070000-170		
	99	(95 - 105)	SW846 1020A	03/07/02	2066170
		Dilution Factor: 1			
Reactive Cyanide		Work Order #: ET81M1AC	LCS Lot-Sample#: I2B160000-108		
	6.4	(1.0- 60)	SW846 7.3.3	02/14-02/16/02	2047108
		Dilution Factor: 1			
Reactive Sulfide		Work Order #: ET6RE1AC	LCS Lot-Sample#: I2B150000-168		
	27	(1.0- 60)	SW846 7.3.4	02/14-02/15/02	2046168
		Dilution Factor: 1			

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Flashpoint

MATRIX SPIKE SAMPLE EVALUATION REPORT

TCLP Metals

Client Lot #...: I2B130271 **Matrix.....: WATER**
Date Sampled...: 02/11/02 07:30 Date Received..: 02/12/02

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
MS Lot-Sample #: I2B130271-001 Prep Batch #...: 2056272							
Leach Date.....: 02/22/02 Leach Batch #..: P205310							
Arsenic	89	(75 - 125)			SW846 6010B	02/25-02/26/02	ET3V61A3
	84	(75 - 125)	5.6	(0-20)	SW846 6010B	02/25-02/26/02	ET3V61A4
		Dilution Factor: 5					
Barium	87	(75 - 125)			SW846 6010B	02/25-02/26/02	ET3V61A5
	82	(75 - 125)	6.2	(0-20)	SW846 6010B	02/25-02/26/02	ET3V61A6
		Dilution Factor: 5					
Cadmium	90	(75 - 125)			SW846 6010B	02/25-02/26/02	ET3V61A7
	85	(75 - 125)	5.2	(0-20)	SW846 6010B	02/25-02/26/02	ET3V61A8
		Dilution Factor: 5					
Chromium	88	(75 - 125)			SW846 6010B	02/25-02/26/02	ET3V61A9
	83	(75 - 125)	5.1	(0-20)	SW846 6010B	02/25-02/26/02	ET3V61CA
		Dilution Factor: 5					
Lead	94	(75 - 125)			SW846 6010B	02/25-02/26/02	ET3V61CC
	94	(75 - 125)	0.39	(0-20)	SW846 6010B	02/25-02/26/02	ET3V61CD
		Dilution Factor: 5					
Selenium	88	(75 - 125)			SW846 6010B	02/25-02/26/02	ET3V61CE
	87	(75 - 125)	1.6	(0-20)	SW846 6010B	02/25-02/26/02	ET3V61CF
		Dilution Factor: 5					
Silver	84	(75 - 125)			SW846 6010B	02/25-02/26/02	ET3V61CG
	80	(75 - 125)	5.3	(0-20)	SW846 6010B	02/25-02/26/02	ET3V61CH
		Dilution Factor: 5					
MS Lot-Sample #: I2B130271-001 Prep Batch #...: 2059504							
Leach Date.....: 02/22/02 Leach Batch #..: P205310							
Mercury	68 N	(75 - 125)			SW846 7470A	02/28-03/01/02	ET3V61CJ
	70 N	(75 - 125)	2.0	(0-20)	SW846 7470A	02/28-03/01/02	ET3V61CK
		Dilution Factor: 1					

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

N Spiked analyte recovery is outside stated control limits.

MATRIX SPIKE SAMPLE EVALUATION REPORT

TCLP GC/MS Semivolatiles

Client Lot #...: I2B130271 Work Order #...: ET3V61AX-MS Matrix.....: WATER
MS Lot-Sample #: I2B130271-001 ET3V61A0-MSD
Date Sampled...: 02/11/02 07:30 Date Received..: 02/12/02
Leach Date.....: 02/22/02 Prep Date.....: 02/22/02 Analysis Date..: 02/26/02
Leach Batch #..: P205310 Prep Batch #...: 2053385
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
o-Cresol	84	(59 - 115)			SW846 8270C
	78	(59 - 115)	7.0	(0-48)	SW846 8270C
m-Cresol & p-Cresol	101	(56 - 143)			SW846 8270C
	90	(56 - 143)	9.4	(0-50)	SW846 8270C
1,4-Dichlorobenzene	88	(51 - 115)			SW846 8270C
	81	(51 - 115)	8.0	(0-47)	SW846 8270C
2,4-Dinitrotoluene	109	(72 - 117)			SW846 8270C
	107	(72 - 117)	2.5	(0-44)	SW846 8270C
Hexachlorobenzene	100	(58 - 119)			SW846 8270C
	95	(58 - 119)	5.5	(0-44)	SW846 8270C
Hexachlorobutadiene	81	(50 - 119)			SW846 8270C
	77	(50 - 119)	5.9	(0-40)	SW846 8270C
Hexachloroethane	86	(50 - 124)			SW846 8270C
	80	(50 - 124)	7.5	(0-48)	SW846 8270C
Nitrobenzene	94	(63 - 109)			SW846 8270C
	87	(63 - 109)	6.8	(0-41)	SW846 8270C
Pentachlorophenol	132	(58 - 137)			SW846 8270C
	125	(58 - 137)	5.4	(0-49)	SW846 8270C
2,4,5-Trichloro-phenol	102	(70 - 121)			SW846 8270C
	97	(70 - 121)	5.0	(0-39)	SW846 8270C
2,4,6-Trichloro-phenol	100	(69 - 116)			SW846 8270C
	97	(69 - 116)	2.8	(0-43)	SW846 8270C

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	96	(42 - 114)
	91	(42 - 114)
Phenol-d5	61	(48 - 115)
	57	(48 - 115)
Nitrobenzene-d5	103	(63 - 107)
	97	(63 - 107)
2-Fluorobiphenyl	95	(52 - 108)
	89	(52 - 108)
2,4,6-Tribromophenol	117	(55 - 117)
	111	(55 - 117)

(Continued on next page)

MATRIX SPIKE SAMPLE EVALUATION REPORT

TCLP GC/MS Semivolatiles

Client Lot #...: I2B130271 Work Order #...: ET3V61AX-MS Matrix.....: WATER
MS Lot-Sample #: I2B130271-001 ET3V61A0-MSD

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Terphenyl-d14	91	(37 - 129)
	86	(37 - 129)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

TCLP GC/MS Volatiles

Client Lot #...: I2B130271 Work Order #...: ET3V61A1-MS Matrix.....: WATER
MS Lot-Sample #: I2B130271-001 ET3V61A2-MSD
Date Sampled...: 02/11/02 07:30 Date Received..: 02/12/02
Leach Date.....: 02/19/02 Prep Date.....: 02/19/02 Analysis Date..: 02/20/02
Leach Batch #..: P205007 Prep Batch #...: 2055124
Dilution Factor: 1

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD
Benzene	97	(80 - 122)			SW846 8260B
	95	(80 - 122)	1.8	(0-13)	SW846 8260B
Carbon tetrachloride	107	(85 - 113)			SW846 8260B
	102	(85 - 113)	4.8	(0-20)	SW846 8260B
Chlorobenzene	101	(81 - 123)			SW846 8260B
	99	(81 - 123)	2.1	(0-17)	SW846 8260B
Chloroform	98	(85 - 116)			SW846 8260B
	96	(85 - 116)	2.1	(0-20)	SW846 8260B
1,2-Dichloroethane	99	(86 - 115)			SW846 8260B
	96	(86 - 115)	2.9	(0-20)	SW846 8260B
1,1-Dichloroethylene	103	(51 - 131)			SW846 8260B
	103	(51 - 131)	0.40	(0-29)	SW846 8260B
Methyl ethyl ketone	98	(54 - 156)			SW846 8260B
	90	(54 - 156)	4.6	(0-20)	SW846 8260B
Tetrachloroethylene	115	(71 - 136)			SW846 8260B
	108	(71 - 136)	6.6	(0-20)	SW846 8260B
Trichloroethylene	101	(78 - 124)			SW846 8260B
	99	(78 - 124)	2.2	(0-14)	SW846 8260B
Vinyl chloride	97	(55 - 151)			SW846 8260B
	94	(55 - 151)	2.6	(0-20)	SW846 8260B
1,4-Dichlorobenzene	106	(79 - 118)			SW846 8260B
	104	(79 - 118)	1.6	(0-20)	SW846 8260B

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene	100	(74 - 134)
	98	(74 - 134)
Toluene-d8	97	(85 - 125)
	99	(85 - 125)
Dibromofluoromethane	97	(69 - 136)
	97	(69 - 136)
1,2-Dichloroethane-d4	95	(75 - 134)
	97	(75 - 134)

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

Bold print denotes control parameters

MATRIX SPIKE SAMPLE EVALUATION REPORT

General Chemistry

Client Lot #...: I2B130271 **Matrix.....:** WATER
Date Sampled...: 02/11/02 07:30 **Date Received..:** 02/12/02

PARAMETER	PERCENT RECOVERY	RECOVERY LIMITS	RPD	RPD LIMITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Reactive Cyanide		WO#: ET3V61AV-MS/ET3V61AW-MSD				MS Lot-Sample #: I2B130271-001	
	104 N	(1.0 - 50)			SW846 7.3.3	02/14-02/16/02	2047108
	106 N	(1.0 - 50)	1.7	(0-20)	SW846 7.3.3	02/14-02/16/02	2047108
		Dilution Factor: 1					
Reactive Sulfide		WO#: ET3V61AR-MS/ET3V61AT-MSD				MS Lot-Sample #: I2B130271-001	
	102	(85 - 115)			SW846 7.3.4	02/14-02/15/02	2046168
	101	(85 - 115)	0.51	(0-20)	SW846 7.3.4	02/14-02/15/02	2046168
		Dilution Factor: 1					

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

N Spiked analyte recovery is outside stated control limits.

SAMPLE DUPLICATE EVALUATION REPORT

General Chemistry

Client Lot #...: I2B130271 Work Order #...: ET3V6-SMP ET3V6-DUP Matrix.....: WATER

Date Sampled...: 02/11/02 07:30 Date Received..: 02/12/02

% Moisture.....: Dilution Factor: Initial Wgt/Vol:

PARAM	RESULT	DUPLICATE RESULT	UNITS	RPD	RPD LIMIT	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH (liquid)						SD Lot-Sample #:	I2B130271-001	
	4.6 H	4.7 H	No Units	2.1	(0-20)	SW846 9040B	02/15/02	2046270
			Dilution Factor: 1					
Flashpoint						SD Lot-Sample #:	I2B130271-001	
	>200	>200	deg F	0.0	(0-20)	SW846 1020A	03/07/02	2066170
			Dilution Factor: 1					

NOTE(S):

Calculations are performed before rounding to avoid round-off errors in calculated results.

H The sample was prepared or analyzed after the EPA recommended holding time had been exceeded.

District II - (505) 748-1283
811 S. First
Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Road
Aztec, NM 87410
District IV - (505) 827-7131

Energy Minerals and Natural Resources Department
Oil Conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

RECEIVED
MAR 25 2002
Environmental Bureau
Oil Conservation Division

Originated 8

Submit Ori
Plus 1 (
to approp
District C

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☒	4. Generator HALLIBURTON
Verbal Approval Received: Yes ☐ No ☐	5. Originating Site HOBBS FACILI
2. Management Facility Destination SUNDANCE SERVICES INC.	6. Transporter CHAPARRAL
3. Address of Facility Operator P.O. BOX 1737 Eunice NM 88231	8. State NEW MEXICO
7. Location of Material (Street Address or ULSTR) 5801 Lovington HWy Hobbs, NM 88240	

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:

The following waste is generated by the washing of tools and oil equipment. This analytical is from Halliburtons Hobbs facility. Sundance would like approval to acppet this waste into our Parabo facility.

Estimated Volume 300 bbls cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE: _____ TITLE: OFFICE MGR DATE: 3-6-02
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: DONNA L. ROACH TELEPHONE NO. 505-394-2511

(This space for State Use)

APPROVED BY: _____ TITLE: Environmental Engr DATE: 3-20-02

APPROVED BY: _____ TITLE: Environmental Geologist DATE: 3-25-02

CERTIFICATE OF WASTE STATUS
NON-EXEMPT WASTE MATERIAL

AS REQUIRED BY New Mexico CONSERVATION DIVISION

COMPANY/GENERATOR: Halliburton

ADDRESS: 5801 Lovington Hwy

GENERATING SITE: Hobbs Yard

COUNTY Lea STATE NM

TYPE OF WASTE: Wash Rack Grit

ESTIMATED VOLUME: 300,000 lbs.

GENERATING PROCESS: Wash Rack Sumps

REMARKS:

NMOCD FACILITY: Sundance

TRUCKING FACILITY: Chaparral

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 of 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: HARVEY PRICE
PRINTED

ADDRESS: 5801 Lovington Hwy Hobbs, NM 88240

DATE: 3/18/2002

CARDINAL LABORATORIES, INC.

2111 Beechwood, Abilene, TX 79603 (915) 673-7001 Fax (915) 673-7020
101 East Marland, Hobbs, NM 88240 (505) 393-2326 Fax (505) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page____ of____

Company Name:	HALLIBURTON ENERGY SERVICES	BILL TO	PO #:
Project Manager:	Steve Bailey	Company:	
Address:	5801 Lovington Hwy	Attn:	
City:	Hobbs State: NM Zip: 88240	Address:	
Phone #:		City:	
Fax #:		State:	Zip:
Project #:	SUMP	Project Owner:	
Project Name:	~~TCLP~~ ANALYSES	Phone #:	
Project Location:	HOBBS YARD	Fax #:	

FOR LAB USE ONLY				MATRIX							PRES.			SAMPLING		ANALYSIS REQUEST												
LAB I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID:	ICE / COOL	OTHER :	DATE	TIME	Complete TCLP	TPH 418.1												
H16538-1	Logging Grit Trap				✓								2/22/02	2:25	✓	✓												
-2	WASH BAY SUMP							✓						2:15	✓	✓												
? -3	WASH BAY SUMP							✓					↓	2:15	✓	✓												
#2	COMP of EAST & WEST WASH-bay SUMPS																											

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Terms and Conditions: Interest will be charged on all accounts more than 30 days past due at the rate of 24% per annum from the original date of invoice, and all costs of collections, including attorney's fees.

Sampler Relinquished:	Date:	Received By:	Phone Result ☐ Yes ☐ No Additional Fax #:
	Time:		Fax Result: ☐ Yes ☐ No
Relinquished By:	Date: 2/22/02	Received By: (Lab Staff)	REMARKS:
	Time: 3:00		
Delivered By: (Circle One)	Sample Condition: Cool ☐ Yes ☐ No, Intact ☐ Yes ☐ No	CHECKED BY: (Initials)	
Sampler - UPS - Bus - Other:			

† Cardinal cannot accept verbal changes. Please fax written changes to 915-673-7020.

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PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
HALLIBURTON ENERGY SERVICES
ATTN: STEVE BAILEY
5801 LOVINGTON HWY
HOBBS, NM 88240
FAX TO:

Receiving Date: 02/22/02
Reporting Date: 02/27/02
Project Number: NOT GIVEN
Project Name: SUMP ANALYSES
Project Location: HOBBS YARD
Lab Number: H6538-1
Sample ID: LOGGIN GRIT TRAP

Analysis Date: 02/26/02
Sampling Date: 02/22/02
Sample Type: WASTEWATER
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: BC

TCLP SEMIVOLATILES (ppm)	EPA LIMIT	Sample Result H6538-1	Method Blank	QC	% Recov.	True Value QC
Pyridine	5.00	<0.050	<0.005	0.018	36	0.050
1,4-Dichlorobenzene	7.50	<0.050	<0.005	0.030	60	0.050
o-Cresol	200	<0.050	<0.005	0.041	82	0.050
m, p-Cresol	200	<0.050	<0.005	0.038	76	0.050
Hexachloroethane	3.00	<0.050	<0.005	0.025	50	0.050
Nitrobenzene	2.00	<0.050	<0.005	0.050	100	0.050
Hexachloro-1,3-butadiene	0.500	<0.050	<0.005	0.027	54	0.050
2,4,6-Trichlorophenol	2.00	<0.050	<0.005	0.042	84	0.050
2,4,5-Trichlorophenol	400	<0.050	<0.005	0.044	88	0.050
2,4-Dinitrotoluene	0.130	<0.050	<0.005	0.046	92	0.050
Hexachlorobenzene	0.130	<0.050	<0.005	0.042	84	0.050
Pentachlorophenol	100	<0.050	<0.005	0.044	88	0.050

	% RECOVERY
Fluorophenol	39
Phenol-d5	25
Nitrobenzene-d5	77
2-Fluorobiphenyl	60
2,4,6-Tribromophenol	93
Terphenyl-d14	87

METHODS: EPA SW-846 1311, 8270, 3510

Burgess J. A. Cooke, Ph. D.

2/27/02
Date

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ANALYTICAL RESULTS FOR
HALLIBURTON ENERGY SERVICES
ATTN: STEVE BAILEY
5801 LOVINGTON HWY
HOBBS, NM 88240
FAX TO:

Receiving Date: 02/22/02
Reporting Date: 02/27/02
Project Number: NOT GIVEN
Project Name: SUMP ANALYSES
Project Location: HOBBS YARD
Lab Number: H6538-2
Sample ID: COMPOSITE OF E. & W. WASHBAY SUMPS

Analysis Date: 02/26/02
Sampling Date: 02/22/02
Sample Type: SLUDGE
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: BC

TCLP VOLATILES (ppm)	EPA LIMIT	Sample Result H6538-2	Method Blank	QC	%Recov.	True Value QC
Vinyl Chloride	0.20	<0.005	<0.005	0.112	112	0.100
1,1-Dichloroethylene	0.7	<0.005	<0.005	0.094	94	0.100
Methyl Ethyl Ketone	200	<0.050	<0.050	0.085	85	0.100
Chloroform	6.0	<0.005	<0.005	0.099	99	0.100
1,2-Dichloroethane	0.5	<0.005	<0.005	0.098	98	0.100
Benzene	0.5	<0.005	<0.005	0.100	100	0.100
Carbon Tetrachloride	0.5	<0.005	<0.005	0.099	99	0.100
Trichloroethylene	0.5	<0.005	<0.005	0.099	99	0.100
Tetrachloroethylene	0.7	<0.005	<0.005	0.101	101	0.100
Chlorobenzene	100	<0.005	<0.005	0.101	101	0.100
1,4-Dichlorobenzene	7.5	0.006	0.040	0.103	103	0.100

	% RECOVERY
Dibromofluoromethane	106
Toluene-d8	113
Bromofluorobenzene	108

METHODS: EPA SW 846-8260, 1311

Burgess J. A. Cooke

Burgess J. A. Cooke, Ph. D.

2/27/02
Date

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ANALYTICAL RESULTS FOR
HALLIBURTON ENERGY SERVICES
ATTN: STEVE BAILEY
5801 LOVINGTON HWY
HOBBS, NM 88240
FAX TO:

Receiving Date: 02/22/02
Reporting Date: 02/27/02
Project Number: NOT GIVEN
Project Name: SUMP ANALYSES
Project Location: HOBBS YARD
Lab Number: H6538-1
Sample ID: LOGGIN GRIT TRAP

Analysis Date: 02/25/02
Sampling Date: 02/22/02
Sample Type: WASTEWATER
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: BC

TCLP VOLATILES (ppm)	EPA LIMIT	Sample Result H6538-1	Method Blank	QC	%Recov.	True Value QC
Vinyl Chloride	0.20	<0.005	<0.005	0.112	112	0.100
1,1-Dichloroethylene	0.7	<0.005	<0.005	0.094	94	0.100
Methyl Ethyl Ketone	200	<0.050	<0.050	0.085	85	0.100
Chloroform	6.0	<0.005	<0.005	0.099	99	0.100
1,2-Dichloroethane	0.5	<0.005	<0.005	0.098	98	0.100
Benzene	0.5	<0.005	<0.005	0.100	100	0.100
Carbon Tetrachloride	0.5	<0.005	<0.005	0.099	99	0.100
Trichloroethylene	0.5	<0.005	<0.005	0.099	99	0.100
Tetrachloroethylene	0.7	<0.005	<0.005	0.101	101	0.100
Chlorobenzene	100	<0.005	<0.005	0.101	101	0.100
1,4-Dichlorobenzene	7.5	0.018	0.018	0.103	103	0.100

	% RECOVERY
Dibromofluoromethane	103
Toluene-d8	99
Bromofluorobenzene	108

METHODS: EPA SW 846-8260, 1311

Burgess J. A. Cooke, Ph. D.

2/27/02
Date

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ANALYTICAL RESULTS FOR
HALLIBURTON ENERGY SERVICES
ATTN: STEVE BAILEY
5801 LOVINGTON HWY
HOBBS, NM 88240
FAX TO:

Receiving Date: 02/22/02
Reporting Date: 03/01/02
Project Number: NOT GIVEN
Project Name: SUMP ANALYSIS
Project Location: HOBBS, NM

Sampling Date: 02/22/02
Sample Type: #1 WASTEWATER #2 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:		02/27/02	03/01/02	03/01/02	03/01/02	03/01/02	03/01/02	03/01/02	02/28/02
EPA LIMITS:		5	5	100	1	5	5	0.2	1
H6538-1	LOGGING GRIT TRAP	<1	<1	<5	<0.1	<1	<1	<0.02	<0.1
H6538-2	COMP. EAST & WEST WASHBAY SUMPS	<1	<1	<5	<0.1	<1	<1	<0.02	<0.1
Quality Control		0.150	4.601	21.62	0.976	4.634	4.380	0.00662	0.156
True Value QC		0.150	5.000	25.00	1.000	5.000	5.000	0.00600	0.150
% Recovery		100	92.0	86.5	97.6	92.7	87.6	110	104
Relative Standard Deviation		0.7	0.2	3.3	0.1	0.6	0.1	10.3	1.6
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

3-1-02
Date

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CARDINAL 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: STEVE BAILEY
5801 LOVINGTON HWY
HOBBS, NM 88240
FAX TO:

Receiving Date: 02/22/02
Reporting Date: 02/27/02
Project Number: NOT GIVEN
Project Name: SUMP ANALYSES
Project Location: HOBBS YARD
Lab Number: H6538-2
Sample ID: COMPOSITE OF E. & W. WASHBAY SUMPS

Analysis Date: 02/26/02
Sampling Date: 02/22/02
Sample Type: SLUDGE
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: BC

TCLP SEMIVOLATILES (ppm)	EPA LIMIT	Sample Result H6538-2	Method Blank	QC	% Recov.	True Value QC
Pyridine	5.00	<0.020	<0.005	0.018	36	0.050
1,4-Dichlorobenzene	7.50	<0.020	<0.005	0.030	60	0.050
o-Cresol	200	<0.020	<0.005	0.041	82	0.050
m, p-Cresol	200	<0.020	<0.005	0.038	76	0.050
Hexachloroethane	3.00	<0.020	<0.005	0.025	50	0.050
Nitrobenzene	2.00	<0.020	<0.005	0.050	100	0.050
Hexachloro-1,3-butadiene	0.500	<0.020	<0.005	0.027	54	0.050
2,4,6-Trichlorophenol	2.00	<0.020	<0.005	0.042	84	0.050
2,4,5-Trichlorophenol	400	<0.020	<0.005	0.044	88	0.050
2,4-Dinitrotoluene	0.130	<0.020	<0.005	0.046	92	0.050
Hexachlorobenzene	0.130	<0.020	<0.005	0.042	84	0.050
Pentachlorophenol	100	<0.020	<0.005	0.044	88	0.050

	% RECOVERY
Fluorophenol	49
Phenol-d5	37
Nitrobenzene-d5	67
2-Fluorobiphenyl	67
2,4,6-Tribromophenol	67
Terphenyl-d14	66

METHODS: EPA SW-846 1311, 8270, 3510

Burgess J. A. Cooke, Ph. D.

2/27/02
Date

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PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
HALLIBURTON ENERGY SERVICES
ATTN: STEVE BAILEY
5801 LOVINGTON HWY
HOBBS,NM 88240
FAX TO:

Receiving Date: 02/22/02
Reporting Date: 03/01/02
Project Number: NOT GIVEN
Project Name: SUMP ANALYSIS
Project Location: HOBBS, NM

Sampling Date: 02/22/02
Sample Type: #1 WASTEWATER
#2 SLUDGE
Sample Condition: COOL & INTACT
Sample Received By: AH
Analyzed By: AH/BC

LAB NUMBE	SAMPLE ID	REACTIVITY Sulfide (ppm)	Cyanide (ppm)	CORROSIVITY (pH)	IGNITABILITY (°F)
ANALYSIS DATE:		02/27/02	02/27/02	02/27/02	02/28/02
H6538-1	LOGGING GRIT TRAP	Not reactive	Not reactive	7.47	>140
H6538-2	COMP. EAST & WEST WASHBAY SUMPS	Not reactive	Not reactive	10.4	Nonflammable
Quality Control		NR	NR	7.08	NR
True Value QC		NR	NR	7.00	NR
% Recovery		NR	NR	101	NR
Relative Percent Difference		NR	NR	0.1	NR

METHOD: EPA SW 846-7.3, 7.2, 1010, 1311, *40 CFR 261*

Chemist

3-1-02
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

H6538r

CARDINAL LABORATORIES

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PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
HALLIBURTON ENERGY SERVICES
ATTN: STEVE BAILEY
5801 LOVINGTON HWY
HOBBS, NM 88240
FAX TO:

Receiving Date: 02/22/02
Reporting Date: 03/01/02
Project Number: NOT GIVEN
Project Name: SUMP ANALYSES
Project Location: HOBBS YARD

Analysis Date: 02/28/02
Sampling Date: 02/22/02
Sample Type: SLUDGE
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: BC

LAB NUMBER	SAMPLE ID	TPH (mg/Kg)
H6538-2	COMPOSITE OF E. & W. WASHBAY SUMPS	2420
Quality Control		250
True Value QC		240
% Recovery		104
Relative Percent Difference		9.5

METHOD: EPA 418.1

Chemist

3/1/02
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.

H6538T2.XLS

CARDINAL LABORATORIES

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PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
HALLIBURTON ENERGY SERVICES
ATTN: STEVE BAILEY
5801 LOVINGTON HWY
HOBBS, NM 88240
FAX TO:

Receiving Date: 02/22/02
Reporting Date: 03/01/02
Project Number: NOT GIVEN
Project Name: SUMP ANALYSES
Project Location: HOBBS YARD

Analysis Date: 02/28/02
Sampling Date: 02/22/02
Sample Type: WASTEWATER
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: BC

LAB NUMBER	SAMPLE ID	TPH (mg/L)
H6538-1	LOGGIN GRIT TRAP	1490
Quality Control		9.67
True Value QC		10.0
% Recovery		96.7
Relative Percent Difference		0.8

METHOD: EPA 418.1

Chemist

3/1/02
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.

Hobbs, NM 88241-1980
District II - (505) 748-1283
811 S. First
Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Road
Aztec, NM 87410
District IV - (505) 827-7131

Energy Minerals and Natural Resources Department
Oil Conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

RECEIVED
MAR 25 2002
Environmental Bureau
Oil Conservation Division

Origina

Subm
Pl
to a
Dist

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☒ Verbal Approval Received: Yes ☐ No ☐	4. Generator HALLIBURTON
	5. Originating Site HOBBS FACI
2. Management Facility Destination SUNDANCE SERVICES INC.	6. Transporter UNKNOWN
3. Address of Facility Operator P.O. BOX 1737 Eunice NM 88231	8. State NEW MEXICO
7. Location of Material (Street Address or ULSTR) 5801 LOVINGTON, hyHOBBS, N.M. 88240	

9. Circle One:

A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from Generator; one certificate per job.

(B.) All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analys PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardou listing or testing will be approved.

All transporters must certify the wastes delivered are only those consigned for transport.

BRIEF DESCRIPTION OF MATERIAL:

The attached MSDS is for sand mixed at Halliburton's Hobbs facility. This material becomes a waste when ther is material left over from sand frac jobs.Sundance would like approval to accept this material into our Parabo Disposal Facility.

Note: This is an ongoing waste stream.

Estimated Volume 200 yds cy Known Volume (to be entered by the operator at the end of the haul) _____

SIGNATURE: Donna L Roach Waste Management Facility Authorized Agent TITLE: OFFICE MGR DATE: 3-18-02

TYPE OR PRINT NAME: DONNA L. ROACH TELEPHONE NO. 505-394-2511

(This space for State Use)

APPROVED BY: _____ TITLE: Environmental Engr DATE: 3-20-02

APPROVED BY: _____ TITLE: Environmental Geology DATE: 3-25-02

2-20528

CERTIFICATE OF WASTE STATUS
NON-EXEMPT WASTE MATERIAL
AS REQUIRED BY New Mexico CONSERVATION DIVISION

COMPANY/GENERATOR: HES

ADDRESS: 5801 Lovington Hwy Hobbs, NM

GENERATING SITE: HES

COUNTY Lea STATE NM

TYPE OF WASTE: RESIN COATED SAND

ESTIMATED VOLUME: 150 TONS

GENERATING PROCESS: Unused on job

REMARKS:

NMOCD FACILITY: Sundance

TRUCKING FACILITY: Hes

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 of 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: HARVEY PRICE
PRINTED

ADDRESS: 5801 Lovington Hwy., Hobbs, NM 88240

DATE: 3/18/2002

HALLIBURTON

MATERIAL SAFETY DATA SHEET

SAND - WHITE

Revision Date: 06/06/2000

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Trade Name: SAND - WHITE
Synonyms: None
Chemical Family: Not determined
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	Weight Percent (%)	ACGIH TLV-TWA	OSHA PEL-TWA
Crystalline silica, quartz 14808-60-7	60 - 100%	0.05 mg/m3	0.1 mg/M3

3. HAZARDS IDENTIFICATION

Hazard Overview
May cause eye irritation. Potential carcinogen. May cause delayed injury to lungs.

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
Get immediate medical attention.

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 Determined

NFPA Ratings: Health 1, Flammability 0, Reactivity 0

HMIS Ratings: Not Determined

6. ACCIDENTAL RELEASE MEASURES

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

Environmental Precautionary Measures
None known.

Procedure for Cleaning/Absorption
Scoop up and remove.

7. HANDLING AND STORAGE

Handling Precautions
Avoid creating or inhaling dust.

Storage Information
Store in a cool, dry location.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

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

Respiratory Protection
In high concentrations, supplied air respirator or a self-contained breathing apparatus. Dust/mist respirator.

Hand Protection
Cloth gloves.

Skin Protection
Normal work coveralls.

Eye Protection
Wear safety glasses or goggles to protect against exposure.

Other Precautions
Not Determined

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Solid
Color:	White
Odor:	Odorless
pH:	Not Determined
Specific Gravity @ 20 C (Water=1):	2.65
Density @ 20 C (lbs./gallon):	Not Determined
Bulk Density @ 20 C (lbs/ft3):	100
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:	0
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):	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):	65

10. STABILITY AND REACTIVITY

Stability Data: Stable

Hazardous Polymerization: Will Not Occur

Conditions to Avoid
None known.

Incompatibility (Materials to Avoid)
Hydrofluoric acid.

Hazardous Decomposition Products
None known.

Additional Guidelines
Not Applicable

11. TOXICOLOGICAL INFORMATION

Principle Route of Exposure
Eye contact. Inhalation. Skin contact.

Inhalation
May cause silicosis, which reduces lung function. The lung damage can lead to heart problems.

Skin Contact
None known.

Eye Contact
Dust may cause irritation and inflammation.

Ingestion
None known

Aggravated Medical Conditions
Respiratory

Chronic Effects/Carcinogenicity
Contains crystalline silica which may cause a delayed, progressive lung disease (silicosis). The IARC and NTP have determined there is sufficient evidence in humans of the carcinogenicity of crystalline silica.

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 applicable

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. If not contaminated, reuse product.

Contaminated Packaging
Empty container completely. Transport with all closures in place. Return for reuse or dispose in a sanitary landfill according to 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
Chronic 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
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
D2A Very 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*****

HALLIBURTON

MATERIAL SAFETY DATA SHEET

INTERPROP I PROPPANT

Revision Date: 03/21/2000

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Trade Name: INTERPROP I PROPPANT
Synonyms: None
Chemical Family: Not determined
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	Weight Percent (%)	ACGIH TLV-TWA	OSHA PEL-TWA
Sintered bauxite 1318-16-7	60 - 100%	Not applicable	Not applicable
Proprietary Component	60 - 100%	Not applicable	15 mg/M3
Aluminum oxide 1344-28-1	10 - 30%	10 mg/m3	15 mg/M3
Iron oxide 1309-37-1	1 - 5%	5 mg/m3	10 mg/M3
Silica, amorphous fused 60676-86-0	1 - 5%	0.1 mg/m3	5 mg/M3
Titanium dioxide 13463-67-7	1 - 5%	10 mg/m3	15 mg/M3

3. HAZARDS IDENTIFICATION

Hazard Overview

May cause eye and respiratory irri[illegible]n. Potential carcinogen. May cause delay[illegible]njury to lungs.

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
Get immediate medical attention.

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
All standard firefighting media.

Special Exposure Hazards
Not applicable.

Special Protective Equipment for Fire-Fighters
Not Determined

NFPA Ratings:	Not Determined
HMIS Ratings:	Not Determined

6. ACCIDENTAL RELEASE MEASURES

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

Environmental Precautionary Measures
None known.

Procedure for Cleaning/Absorpt
Scoop up and remove.

7. HANDLING AND STORAGE

Handling Precautions
Not Determined

Storage Information
Store in a cool, dry location.

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.

Hand Protection
Cloth gloves.

Skin Protection
Normal work coveralls.

Eye Protection
Dust proof goggles.

Other Precautions
Not Determined

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Solid
Color:	Dark brown
Odor:	Odorless
pH:	Not Determined
Specific Gravity @ 20 C (Water=1):	3.17
Density @ 20 C (lbs./gallon):	Not Determined
Bulk Density @ 20 C (lbs/ft3):	114
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):	Insoluble
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):	228.1

10. STABILITY AND REACTIVITY

Stability Data: Stable

Hazardous Polymerization: Will Not Occur

Conditions to Avoid
None anticipated

Incompatibility (Materials to Avoid)
None known.

Hazardous Decomposition Products
None known.

Additional Guidelines
Not Applicable

11. TOXICOLOGICAL INFORMATION

Principle Route of Exposure
Eye contact. Inhalation. Skin contact.

Inhalation
May cause respiratory irritation. May cause silicosis, which reduces lung function. The lung damage can lead to heart problems.

Skin Contact
None known.

Eye Contact
Dust may cause irritation and inflammation.

Ingestion
Not determined

Aggravated Medical Conditions
Respiratory

Chronic Effects/Carcinogenicity
Contains crystalline silica which may cause a delayed, progressive lung disease (silicosis). The IARC and NTP have determined there is sufficient evidence in humans of the carcinogenicity of crystalline silica.

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 applicable

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. If not contaminated, reuse product.

Contaminated Packaging
Empty container completely. Transport with all closures in place. Return for reuse or dispose in a sanitary landfill according to 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 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:
Aluminum Oxide//1344-28-1

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
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
D2B 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*****

HALLIBURTON

MATERIAL SAFETY DATA SHEET

SUPER LC PROPPANT

Revision Date: 06/06/2000

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Trade Name: SUPER LC PROPPANT
Synonyms: None
Chemical Family: Not determined
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	Weight Percent (%)	ACGIH TLV-TWA	OSHA PEL-TWA
Phenol / formaldehyde resin 9003-35-4	1 - 5%	Not applicable	Not applicable

Substance	Weight Percent (%)	ACGIH TLV-TWA	OSHA PEL-TWA
Crystalline silica, quartz 14808-60-7	60 - 100%	0.05 mg/m3	0.1 mg/M3

3. HAZARDS IDENTIFICATION

Hazard Overview
May cause eye and respiratory irritation. Potential carcinogen. May cause delayed injury to lungs. May cause allergic skin and respiratory reaction.

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.

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 - Upper (%):	Not Determined

Fire Extinguishing Media
All standard firefighting media.

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 1, Flammability 0, Reactivity 0
HMIS Ratings:	Not Determined

6. ACCIDENTAL RELEASE MEASURES

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

Environmental Precautionary Measures
None known.

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 in a cool, dry location.

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.

Hand Protection
Impervious rubber gloves.

Skin Protection
Normal work coveralls.

Eye Protection
Wear safety glasses or goggles to protect against exposure.

Other Precautions
Not Determined

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Solid
Color:	Light to dark yellow
Odor:	Saddle soap
pH:	Not Determined
Specific Gravity @ 20 C (Water=1):	2.61
Density @ 20 C (lbs./gallon):	Not Determined
Bulk Density @ 20 C (lbs/ft3):	99.8
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):	Insoluble
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
None anticipated

Incompatibility (Materials to Avoid)
Hydrofluoric acid.

Hazardous Decomposition Products
Carbon monoxide. Ammonia. Formaldehyde.

Additional Guidelines
Not Applicable

11. TOXICOLOGICAL INFORMATION

Principle Route of Exposure
Eye contact. Inhalation. Skin contact.

Inhalation
May cause allergic respiratory reaction. Coughing, chest pains, and breathing difficulty may occur. May cause silicosis, which reduces lung function. The lung damage can lead to heart problems.

Skin Contact
None known. This product contains ingredients which may produce an allergic skin reaction. It should be treated as a skin sensitizer.

Eye Contact
Dust may cause irritation and inflammation.

Ingestion
None known

Aggravated Medical Conditions
Skin disorders. Eye ailments.

Chronic Effects/Carcinogenicity
Contains crystalline silica which may cause a delayed, progressive lung disease (silicosis). The IARC and NTP have determined there is sufficient evidence in humans of the carcinogenicity of crystalline silica. Formaldehyde, a suspected carcinogen, is released when heated.

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
Bury in a licensed landfill according to federal, state, and local regulations. If not contaminated, reuse product.

Contaminated Packaging
Empty container completely. Transport with all closures in place. Return for reuse or dispose in a sanitary landfill according to 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
Chronic 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
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
D2A Very 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
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*****END OF MSDS*****

HALLIBURTON

MATERIAL SAFETY DATA SHEET

ACFRAC PRB PROPPANT

Revision Date: 06/06/2000

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Trade Name: ACFRAC PRB PROPPANT
Synonyms: None
Chemical Family: Not determined
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	Weight Percent (%)	ACGIH TLV-TWA	OSHA PEL-TWA
Crystalline silica, quartz 14808-60-7	60 - 100%	0.05 mg/m3	0.1 mg/M3
Phenol / formaldehyde resin 9003-35-4	1 - 5%	Not applicable	Not applicable

3. HAZARDS IDENTIFICATION

Hazard Overview
May cause eye, skin and respiratory irritation. Potential carcinogen. May cause delayed injury to lungs. May cause allergic skin and respiratory reaction.

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.

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 - Upper (%):	Not Determined

Fire Extinguishing Media
All standard firefighting media.

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 1, Flammability 0, Reactivity 0
HMIS Ratings:	Not Determined

6. ACCIDENTAL RELEASE MEASURES

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

Environmental Precautionary Measures
None known.

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 in a cool, dry location.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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

Respiratory Protection
HEPA Respirator. Dust/mist respirator.

Hand Protection
Impervious rubber gloves.

Skin Protection
Normal work coveralls.

Eye Protection
Dust proof goggles.

Other Precautions
Not Determined

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Solid
Color:	Brown-black
Odor:	Odorless
pH:	Not Determined
Specific Gravity @ 20 C (Water=1):	2.53
Density @ 20 C (lbs./gallon):	Not Determined
Bulk Density @ 20 C (lbs/ft3):	99.8
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):	Insoluble
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: W ot Occur

Conditions to Avoid
None anticipated

Incompatibility (Materials to Avoid)
Hydrofluoric acid.

Hazardous Decomposition Products
Carbon dioxide. Silicon dioxide. Aldehydes.

Additional Guidelines
Not Applicable

11. TOXICOLOGICAL INFORMATION

Principle Route of Exposure
Eye contact. Inhalation. Skin contact.

Inhalation
May cause allergic respiratory reaction. May cause silicosis, which reduces lung function. The lung damage can lead to heart problems.

Skin Contact
This product contains ingredients which may produce an allergic skin reaction. It should be treated as a skin sensitizer. May cause skin irritation.

Eye Contact
May cause eye irritation.

Ingestion
Not determined

Aggravated Medical Conditions
Respiratory

Chronic Effects/Carcinogenicity
Contains crystalline silica which may cause a delayed, progressive lung disease (silicosis). The IARC and NTP have determined there is sufficient evidence in humans of the carcinogenicity of crystalline silica.

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 applicable

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. If not contaminated, reuse product.

Contaminated Packaging
Not determined

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
Chronic 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
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
D2A Very 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
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*****END OF MSDS*****

HALLIBURTON

MATERIAL SAFETY DATA SHEET

CARBO-LITE PROPPANT

Revision Date: 04/06/2000

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Trade Name: CARBO-LITE PROPPANT
Synonyms: None
Chemical Family: Not determined
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	Weight Percent (%)	ACGIH TLV-TWA	OSHA PEL-TWA
Contains no hazardous substances Mixture	60 - 100%	Not applicable	Not applicable

3. HAZARDS IDENTIFICATION

Hazard Overview
May cause eye 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
Get immediate medical attention.

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
Not applicable.

Special Protective Equipment for Fire-Fighters
Not Determined

NFPA Ratings:	Health 1, Flammability 0, Reactivity 0
HMIS Ratings:	Not Determined

6. ACCIDENTAL RELEASE MEASURES

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

Environmental Precautionary Measures
None known.

Procedure for Cleaning/Absorption
Scoop up and remove.

7. HANDLING AND STORAGE

Handling Precautions
Avoid creating or inhaling dust.

Storage Information
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.

Respiratory Protection
Not normally needed. But if significant exposures are possible then the following respirator is recommended. Dust/mist respirator.

Hand Protection
Cloth gloves.

Skin Protection
Normal work coveralls.

Eye Protection
Dust proof goggles.

Other Precautions
Not Determined

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Solid
Color:	Yellow to brown
Odor:	Phenolic
pH:	Not Determined
Specific Gravity @ 20 C (Water=1):	2.60 to 3.70
Density @ 20 C (lbs./gallon):	Not Determined
Bulk Density @ 20 C (lbs/ft3):	95
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):	Insoluble
Solubility in Solvents (g/100ml):	Not Determined
Solubility in Sea Water (g/100ml):	Insoluble Sinks
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
None anticipated

Incompatibility (Materials to Avoid)
Contact with oxidizing agents.

Hazardous Decomposition Products
Ammonia. Formaldehyde. Carbon monoxide. Carbon dioxide.

Additional Guidelines
Not Applicable

11. TOXICOLOGICAL INFORMATION

Principle Route of Exposure
Eye contact. Inhalation. Skin contact.

Inhalation
Not determined

Skin Contact
None known.

Eye Contact
Dust may cause irritation and inflammation.

Ingestion
None known

Aggravated Medical Conditions
None known.

Chronic Effects/Carcinogenicity
Effects of prolonged or repeated exposure are not well established.

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 applicable

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. If not contaminated, reuse product.

Contaminated Packaging
Product may be stored in reusable containers. Do NOT contaminate. Transport with all closures in place.

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
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
Product contains one or more components not listed on inventory.

WHMIS Hazard Class
D2A Very 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
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*****END OF MSDS*****

HALLIBURTON

MATERIAL SAFETY DATA SHEET

ECONOPROP PROPPANT

Revision Date: 04/06/2000

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Trade Name: ECONOPROP PROPPANT
Synonyms: None
Chemical Family: Not determined
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	Weight Percent (%)	ACGIH TLV-TWA	OSHA PEL-TWA
Proprietary Component	60 - 100%	Not applicable	15 mg/M3
Crystalline silica, cristobalite 14464-46-1	10 - 30%	0.05 mg/m3	0.1 mg/M3

3. HAZARDS IDENTIFICATION

Hazard Overview
Potential carcinogen. May cause delayed injury to lungs. May cause allergic respiratory reaction.

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
Get immediate medical attention.

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 Determined

NFPA Ratings: Health 1, Flammability 0, Reactivity 0

HMIS Ratings: Not Determined

6. ACCIDENTAL RELEASE MEASURES

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

Environmental Precautionary Measures
None known.

Procedure for Cleaning/Absorption
Scoop up and remove.

7. HANDLING AND STORAGE

Handling Precautions
Avoid creating or inhaling dust.

Storage Information

Store in a cool, dry location. Product has a shelf life of 60 months

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls
Use in a well ventilated area.

Respiratory Protection
Dust/mist respirator.

Hand Protection
Cloth gloves.

Skin Protection
Normal work coveralls.

Eye Protection
Dust proof goggles. Do NOT wear contact lenses.

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

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Solid
Color:	Cream to light gray
Odor:	Odorless
pH:	Not Determined
Specific Gravity @ 20 C (Water=1):	2.69
Density @ 20 C (lbs./gallon):	Not Determined
Bulk Density @ 20 C (lbs/ft3):	96
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):	Insoluble
Solubility in Solvents (g/100ml):	Not Determined
Solubility in Sea Water (g/100ml):	Insoluble Sinks
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
None anticipated

Incompatibility (Materials to Avoid)
Chlorine trifluoride.

Hazardous Decomposition Products
None known.

Additional Guidelines
Not Applicable

11. TOXICOLOGICAL INFORMATION

Principle Route of Exposure
Eye contact. Inhalation. Skin contact.

Inhalation
Not determined

Skin Contact
None known.

Eye Contact
Dust may cause irritation and inflammation.

Ingestion
None known

Aggravated Medical Conditions
None known.

Chronic Effects/Carcinogenicity
Contains crystalline silica which may cause a delayed, progressive lung disease (silicosis). The IARC and NTP have determined there is sufficient evidence in humans of the carcinogenicity of crystalline silica.

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 applicable

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. If not contaminated, reuse product.

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

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
Chronic 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
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
D2A Very 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*****

HALLIBURTON

MATERIAL SAFETY DATA SHEET

SBU CERAMAX-E

Revision Date: 06/28/2000

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Trade Name: SBU CERAMAX-E
Synonyms: None
Chemical Family: Mineral
Application: Proppant

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	Weight Percent (%)	ACGIH TLV-TWA	OSHA PEL-TWA
Crystalline silica, quartz 14808-60-7	10 - 30%	0.05 mg/m3	0.1 mg/M3

3. HAZARDS IDENTIFICATION

Hazard Overview
May cause eye irritation. May cause delayed injury to lungs. Potential carcinogen.

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 1, Flammability 0, Reactivity 0

HMIS Ratings: Flammability 0, Reactivity 0, Health 1

6. ACCIDENTAL RELEASE MEASURES

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

Environmental Precautionary Measures
None known.

Procedure for Cleaning/Absorption
Scoop up and remove.

7. HANDLING AND STORAGE

Handling Precautions
Avoid creating or inhaling dust.

Storage Information

Store in a cool, dry location. Produ as a shelf life of 60 months

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls
Use in a well ventilated area.

Respiratory Protection
Dust/mist respirator.

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:	Gray
Odor:	Odorless
pH:	Not Determined
Specific Gravity @ 20 C (Water=1):	2.55
Density @ 20 C (lbs./gallon):	Not Determined
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:	Not Determined
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):	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
None anticipated

Incompatibility (Materials to Avoid)
Hydrofluoric acid.

Hazardous Decomposition Products
None known.

Additional Guidelines
Not Applicable

11. TOXICOLOGICAL INFORMATION

Principle Route of Exposure
Eye or skin contact, inhalation.

Inhalation
May cause silicosis, which reduces lung function. The lung damage can lead to heart problems.

Skin Contact
None known.

Eye Contact
May cause mechanical irritation to eye.

Ingestion
None known

Aggravated Medical Conditions
Lung disorders.

Chronic Effects/Carcinogenicity
Contains crystalline silica which may cause a delayed, progressive lung disease (silicosis). The IARC and NTP have determined there is sufficient evidence in humans of the carcinogenicity of crystalline silica.

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 applicable

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
Acute Health Hazard
Chronic Health 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:
Aluminum Oxide//1344-28-1

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
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
D2A Very 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

HALLIBURTON

MATERIAL SAFETY DATA SHEET

SINTER BALL PROPPANT

Revision Date: 06/28/2000

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Trade Name: SINTER BALL PROPPANT
Synonyms: None
Chemical Family: Mineral
Application: Proppant

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	Weight Percent (%)	ACGIH TLV-TWA	OSHA PEL-TWA
Aluminum oxide 1344-28-1	60 - 100%	10 mg/m3	15 mg/M3
Proprietary Component	1 - 5%	Not applicable	15 mg/M3
Crystalline silica, cristobalite 14464-46-1	< 1%	0.05 mg/m3	0.1 mg/M3

3. HAZARDS IDENTIFICATION

Hazard Overview
May cause eye irritation. May cause delayed injury to lungs. Potential carcinogen.

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 1, Flammability 0, Reactivity 0
HMIS Ratings:	Flammability 0, Reactivity 0, Health 1

6. ACCIDENTAL RELEASE MEASURES

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

Environmental Precautionary Measures
None known.

Procedure for Cleaning/Absorption
Scoop up and remove.

7. HANDLING AND STORAGE

Handling Precautions
Avoid creating or inhaling dust.

Storage Information
Store in a cool, dry location. Product has a shelf life of 60 months

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls
Use in a well ventilated area.

Respiratory Protection
Dust/mist respirator.

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:	Dark green
Odor:	Odorless
pH:	Not Determined
Specific Gravity @ 20 C (Water=1):	3.62
Density @ 20 C (lbs./gallon):	Not Determined
Bulk Density @ 20 C (lbs/ft3):	124
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):	Insoluble
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

Hazardous Polymerization: Will Not Occur

Conditions to Avoid
None anticipated

Incompatibility (Materials to Avoid)
Hydrofluoric acid.

Hazardous Decomposition Products
None known.

Additional Guidelines
Not Applicable

11. TOXICOLOGICAL INFORMATION

Principle Route of Exposure
Eye or skin contact, inhalation.

Inhalation
May cause silicosis, which reduces lung function. The lung damage can lead to heart problems.

Skin Contact
None known.

Eye Contact
May cause mechanical irritation to eye.

Ingestion
None known

Aggravated Medical Conditions
Lung disorders.

Chronic Effects/Carcinogenicity
Contains crystalline silica which may cause a delayed, progressive lung disease (silicosis). The IARC and NTP have determined there is sufficient evidence in humans of the carcinogenicity of crystalline silica.

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 applicable

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
Acute Health Hazard
Chronic Health 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:
Aluminum Oxide//1344-28-1

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
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
D2A Very 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
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*****END OF MSDS*****

HALLIBURTON

MATERIAL SAFETY DATA SHEET

SAND - BROWN

Revision Date: 06/06/2000

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Trade Name: SAND - BROWN
Synonyms: None
Chemical Family: Not determined
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	Weight Percent (%)	ACGIH TLV-TWA	OSHA PEL-TWA
Crystalline silica, quartz 14808-60-7	60 - 100%	0.05 mg/m3	0.1 mg/M3

3. HAZARDS IDENTIFICATION

Hazard Overview
May cause eye irritation. Potential carcinogen. May cause delayed injury to lungs.

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

Store in a cool, dry location.

4. EXPOSURE CONTROLS/PERSONAL PROTECTION

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
Get immediate medical attention.

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
All standard firefighting media.

Special Exposure Hazards
Not applicable.

Special Protective Equipment for Fire-Fighters
Not Determined

NFPA Ratings:	Health 1, Flammability 0, Reactivity 0
HMIS Ratings:	Not Determined

6. ACCIDENTAL RELEASE MEASURES

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

Environmental Precautionary Measures
None known.

Procedure for Cleaning/Absorption
Scoop up and remove.

7. HANDLING AND STORAGE

Handling Precautions
Avoid creating or inhaling dust.

Storage Information

Conditions to Avoid
None known.

Incompatibility (Materials to Avoid)
Hydrofluoric acid.

Hazardous Decomposition Products
None known.

Additional Guidelines
Not Applicable

11. TOXICOLOGICAL INFORMATION

Principle Route of Exposure
Eye contact. Inhalation. Skin contact.

Inhalation
May cause silicosis, which reduces lung function. The lung damage can lead to heart problems.

Skin Contact
None known.

Eye Contact
Dust may cause irritation and inflammation.

Ingestion
None known

Aggravated Medical Conditions
Respiratory

Chronic Effects/Carcinogenicity
Contains crystalline silica which may cause a delayed, progressive lung disease (silicosis). The IARC and NTP have determined there is sufficient evidence in humans of the carcinogenicity of crystalline silica.

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
Bury in a licensed landfill according to federal, state, and local regulations. If not contaminated, reuse product.

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

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
Chronic 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
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
D2A Very 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
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END OF MSDS

Hobbs, NM 88241-1980
District II - (505) 748-1283
811 S. First
Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Road
Aztec, NM 87410
District IV - (505) 827-7131

Energy Minerals and Natural Resources Department
Oil Conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

RECEIVED
MAR 18 2002
Environmental Bureau
Oil Conservation Division

Originate

Submit Plus to appr Distri

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☒	4. Generator Conoco Inc.
Verbal Approval Received: Yes ☐ No ☐	5. Originating Site Hobbs Plant
2. Management Facility Destination SUNDANCE SERVICES INC.	6. Transporter Key
3. Address of Facility Operator P.O. BOX 1737 Eunice NM 88231	8. State NEW MEXICO
7. Location of Material (Street Address or ULSTR) Sec 36	36E 18S

9. Circle One:

A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from Generator; one certificate per job.

(B.) All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous listing or testing will be approved.

All transporters must certify the wastes delivered are only those consigned for transport.

BRIEF DESCRIPTION OF MATERIAL:

Attached are analytical results for compressor station for Conoco Inc. I have included a chain of custody and certificate of waste status. Sundance would like approval to accept this material into our Parabo Facility.

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

SIGNATURE: Donna Roach Waste Management Facility Authorized Agent TITLE: OFFICE MGR DATE: _____

TYPE OR PRINT NAME: DONNA L. ROACH TELEPHONE NO. 505-394-2511

(This space for State Use)

APPROVED BY: _____ TITLE: Environmental Engr DATE: 3-7-02

APPROVED BY: _____ TITLE: Environmental Geologist DATE: 3-18-02

1

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

COMPANY /GENERATOR CONOCO INC. (CG&P)

ADDRESS 921 W.SANGER HOBBS,NM 88240

GENERATING SITE Hobbs Plant

GENERATING PROCESS ENGINE /COMPRESSOR OPERATION

REMARKS

NMOCD FACILITY SUNDANCE SERVICES INC.

TRUCKING COMPANY HUGHES TRKING / STEVE CARTER TRKING/ KEY SERVICES

As a condition of acceptance for disposal, I hereby certify that his waste is a non-exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory determinations. 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 Mark Bishop
SIGNATURE

NAME MARK BISHOP
PRINTED

ADDRESS 921 W. SANGER

HOBBS, NM 88240

DATE 2-14-02

Chain of Custody Record

3.7°C
OP 2/8

SEVERN TRENT SERVICES — Severn Trent Laboratories, Inc.

52547

STL4149 (0700)

Client: Maxim Technologies	Project Manager: Dan Erskine	Date: 2/7/02
Address: 10601 Lomas NE	Telephone Number (Area Code)/Fax Number: 505-237-8440	Lab Location:
City: Albuquerque / State: NM / Zip Code: 87112	Site Contact: Dan Erskine	
Project Number/Name: Conoco Oily Waste	Carrier/Waybill Number:	
Contract/Purchase Order/Quote Number:		

Page 1 of 1

Sample I.D. Number and Description	Date	Time	Sample Type	Containers: Volume	Containers: Type	Containers: No.	Preservative	Condition on Receipt/Comments	Analysis
Hobbs Plant	2/7/02	1230		32oz	Glass	2	Cold	TCLP VOA SVOA metals Reactivity PH Flashpoint	per client requirement 2/8/02 DSR
Antelope Ridge		1310		↓	↓	↓	↓		
Bootleg	↓	1350							

Special Instructions:

Possible Hazard Identification: [X] Non-Hazard [ ] Flammable [ ] Skin Irritant [ ] Poison B [ ] Unknown

Sample Disposal: [ ] Return To Client [X] Disposal By Lab [ ] Archive For _____ Months (A fee may be assessed if samples are retained longer than 3 months)

Turn Around Time Required: [X] Normal [ ] Rush [ ] Other _____

QC Level: [ ] I. [ ] II. [ ] III.

Project Specific Requirements (Specify):

	Date	Time		Date	Time
1. Relinquished By: Daniel W. Erskine	2/7/02	1530	1. Received By: [signature]	2/8/02	0930
2. Relinquished By:	Date	Time	2. Received By:	Date	Time
3. Relinquished By:	Date	Time	3. Received By:	Date	Time

Comments:

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

CONOCO INC.

Client Sample ID: HOBBS PLANT

TCLP GC/MS Volatiles

Lot-Sample #...: D2B080208-001	Work Order #...: ETV0T1AG	Matrix.....: WATER
Date Sampled...: 02/07/02 12:30	Date Received..: 02/08/02	
Leach Date.....: 02/11/02	Prep Date.....: 02/18/02	Analysis Date..: 02/18/02
Leach Batch #..: P204309	Prep Batch #...: 2050193	Analysis Time..: 13:35
Dilution Factor: 1		
	Method.....: SW846 8260B	

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	0.029	0.010	mg/L
2-Butanone	0.029 J,B	0.050	mg/L
Carbon tetrachloride	ND	0.010	mg/L
Chlorobenzene	ND	0.010	mg/L
Chloroform	ND	0.010	mg/L
1,2-Dichloroethane	ND	0.010	mg/L
1,1-Dichloroethene	ND	0.010	mg/L
Tetrachloroethene	ND	0.010	mg/L
Trichloroethene	ND	0.010	mg/L
Vinyl chloride	ND	0.020	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	90	(80 - 120)
1,2-Dichloroethane-d4	79	(72 - 127)
4-Bromofluorobenzene	93	(79 - 119)
Toluene-d8	97	(79 - 119)

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

CONOCO INC.

Client Sample ID: HOBBS PLANT

TCLP GC/MS Semivolatiles

Lot-Sample #...: D2B080208-001	Work Order #...: ETV0T1AF	Matrix.....: WATER	
Date Sampled...: 02/07/02 12:30	Date Received..: 02/08/02		
Leach Date.....: 02/11/02	Prep Date.....: 02/13/02	Analysis Date..: 02/14/02	
Leach Batch #..: P204308	Prep Batch #...: 2044229	Analysis Time..: 20:23	
Dilution Factor: 1			
	Method.....: SW846 8270C		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
1,4-Dichlorobenzene	ND	0.10	mg/L
2,4-Dinitrotoluene	ND	0.10	mg/L
Hexachlorobenzene	ND	0.10	mg/L
Hexachlorobutadiene	ND	0.10	mg/L
Hexachloroethane	ND	0.10	mg/L
2-Methylphenol	ND	0.10	mg/L
Nitrobenzene	ND	0.10	mg/L
Pentachlorophenol	ND	0.50	mg/L
Pyridine	ND	0.20	mg/L
2,4,5-Trichloro-phenol	ND	0.10	mg/L
2,4,6-Trichloro-phenol	ND	0.10	mg/L
3-Methylphenol & 4-Methylphenol	**0.12**	**0.10**	**mg/L**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	63	(38 - 91)
Phenol-d5	58	(37 - 94)
Nitrobenzene-d5	71	(41 - 107)
2-Fluorobiphenyl	70	(33 - 99)
2,4,6-Tribromophenol	85	(40 - 110)
Terphenyl-d14	71	(47 - 107)

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

CONOCO INC.

Client Sample ID: HOBBS PLANT

TCLP Metals

Lot-Sample #...: D2B080208-001 Matrix.....: WATER
Date Sampled...: 02/07/02 12:30 Date Received..: 02/08/02
Leach Date.....: 02/11/02 Leach Batch #..: P204308

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 2044156						
Silver	ND	0.10	mg/L	SW846 6010B	02/13/02	ETV0T1AH
		Dilution Factor: 1		Analysis Time..: 17:08		
Arsenic	0.0080 B	0.10	mg/L	SW846 6010B	02/13/02	ETV0T1AJ
		Dilution Factor: 1		Analysis Time..: 17:08		
Barium	0.068 B	0.10	mg/L	SW846 6010B	02/13/02	ETV0T1AK
		Dilution Factor: 1		Analysis Time..: 17:08		
Cadmium	0.0050 B	0.050	mg/L	SW846 6010B	02/13/02	ETV0T1AL
		Dilution Factor: 1		Analysis Time..: 17:08		
Chromium	0.0040 B	0.10	mg/L	SW846 6010B	02/13/02	ETV0T1AM
		Dilution Factor: 1		Analysis Time..: 17:08		
Lead	0.0054 B	0.030	mg/L	SW846 6010B	02/13/02	ETV0T1AN
		Dilution Factor: 1		Analysis Time..: 17:08		
Selenium	ND	0.050	mg/L	SW846 6010B	02/13/02	ETV0T1AP
		Dilution Factor: 1		Analysis Time..: 17:08		
Prep Batch #...: 2044178						
Mercury	ND	0.0020	mg/L	SW846 7470A	02/13/02	ETV0T1AQ
		Dilution Factor: 1		Analysis Time..: 14:01		

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

B Estimated result. Result is less than RL.

CONOCO INC.

Client Sample ID: HOBBS PLANT

General Chemistry

Lot-Sample #...: D2B080208-001 Work Order #...: ETV0T Matrix.....: WATER
Date Sampled...: 02/07/02 12:30 Date Received..: 02/08/02

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH	6.4	0.10	No Units	MCAWW 150.1	02/09/02	2040119
		Dilution Factor: 1		Analysis Time..: 14:30		
Flashpoint	>160	--	deg F	SW846 1010	02/12/02	2044381
		Dilution Factor: 1		Analysis Time..: 12:00		
Reactive Cyanide	ND	1.0	mg/L	SW846 7.3.3	02/13-02/14/02	2045477
		Dilution Factor: 1		Analysis Time..: 13:00		
Reactive Sulfide	14.4 B,J	50.0	mg/L	SW846 7.3.4	02/12/02	2046240
		Dilution Factor: 1		Analysis Time..: 12:00		

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Hobbs, NM 88241-1980
District II - (505) 748-1283
811 S. First
Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Road
Aztec, NM 87410
District IV - (505) 827-7131

Energy Minerals and Natural Resources Department
Oil Conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

RECEIVED
MAR 18 2002
Environmental Bureau

Originate

Submit Plus to appr Distri

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☒	4. Generator Conoco Inc.
Verbal Approval Received: Yes ☐ No ☐	5. Originating Site Bootleg
2. Management Facility Destination SUNDANCE SERVICES INC.	6. Transporter Key
3. Address of Facility Operator P.O. BOX 1737 Eunice NM 88231	8. State NEW MEXICO
7. Location of Material (Street Address or ULSTR) Sec 18	33E 22S

9. Circle One:

A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from Generator; one certificate per job.

(B.) All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous listing or testing will be approved.

All transporters must certify the wastes delivered are only those consigned for transport.

BRIEF DESCRIPTION OF MATERIAL:

Attached are analytical results for compressor station for Conoco Inc. I have included a chain of custody and certificate of waste status. Sundance would like approval to accept this material into our Parabo Facility.

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

SIGNATURE: Donna Roach Waste Management Facility Authorized Agent TITLE: OFFICE MGR DATE: _____

TYPE OR PRINT NAME: DONNA L. ROACH TELEPHONE NO. 505-394-2511

(This space for State Use)

APPROVED BY: _____ TITLE: Environmental Engr. DATE: 3-7-02

APPROVED BY: _____ TITLE: Environmental Geologist DATE: 3-18-02

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

COMPANY /GENERATOR CONOCO INC. (CG&P)

ADDRESS 921 W.SANGER HOBBS,NM 88240

GENERATING SITE Bootleg

GENERATING PROCESS ENGINE /COMPRESSOR OPERATION

REMARKS

NMOCD FACILITY SUNDANCE SERVICES INC.

TRUCKING COMPANY HUGHES TRKING / STEVE CARTER TRKING/ KEY SERVICES

As a condition of acceptance for disposal, I hereby certify that his waste is a non-exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory determinations. 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 Mark Bishop
SIGNATURE

NAME MARK BISHOP
PRINTED

ADDRESS 921 W. SANGER

HOBBS, NM 88240

DATE 2-14-02

Chain of Custody Record

3.7°C
OB 2/8

SEVERN TRENT SERVICES

Severn Trent Laboratories, Inc.

52547

STL4149 (0700)

Client	Project Manager	Date	Page 1 of 1
Maxim Technologies	Dan Erskine	2/7/02	
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Location**	**Analysis**
10601 Lomas NE	505-237-8440		
City / **State** / **Zip Code**	**Site Contact**		
Albuquerque / NM / 87112	Dan Erskine		
Project Number/Name	**Carrier/Waybill Number**		
Conoco Oily Waste			
Contract/Purchase Order/Quote Number			

Sample I.D. Number and Description	Date	Time	Sample Type	Containers: Volume	Containers: Type	Containers: No.	Preservative	Condition on Receipt/Comments
Hobbs Plant	2/7/02	1230		32oz	Glass	2	Cold	TCLP VOA SVOA metals Reactivity PH Flashpoint
Antelope Ridge	↓	1310		↓	↓	↓	↓	
Bootleg	↓	1350		↓	↓	↓	↓	

per Client requirement 2/8/02 DSR

Special Instructions

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

Sample Disposal
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months
(A fee may be assessed if samples are retained longer than 3 months)

Turn Around Time Required
☒ Normal ☐ Rush ☐ Other _____

QC Level
☐ I. ☐ II. ☐ III.

Project Specific Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: Daniel W. Erskine	2/7/02	1530	1. Received By: Brown	2/8/02	0930
2. Relinquished By	Date	Time	2. Received By	Date	Time
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments

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

CONOCO INC.

Client Sample ID: BOOTLEG

TCLP GC/MS Volatiles

Lot-Sample #...: D2B080208-003	Work Order #...: ETV091AG	Matrix.....:	WATER
Date Sampled...: 02/07/02 13:50	Date Received..: 02/08/02		
Leach Date.....: 02/11/02	Prep Date.....: 02/18/02	Analysis Date..:	02/18/02
Leach Batch #..: P204309	Prep Batch #...: 2050193	Analysis Time..:	14:26
Dilution Factor: 1			
	Method.....: SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	0.0068 J	0.010	mg/L
2-Butanone	0.052 B	0.050	mg/L
Carbon tetrachloride	ND	0.010	mg/L
Chlorobenzene	ND	0.010	mg/L
Chloroform	ND	0.010	mg/L
1,2-Dichloroethane	ND	0.010	mg/L
1,1-Dichloroethene	ND	0.010	mg/L
Tetrachloroethene	ND	0.010	mg/L
Trichloroethene	ND	0.010	mg/L
Vinyl chloride	ND	0.020	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	91	(80 - 120)
1,2-Dichloroethane-d4	87	(72 - 127)
4-Bromofluorobenzene	92	(79 - 119)
Toluene-d8	97	(79 - 119)

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

CONOCO INC.

Client Sample ID: BOOTLEG

TCLP GC/MS Semivolatiles

Lot-Sample #...: D2B080208-003 Work Order #...: ETV091AF Matrix.....: WATER
Date Sampled...: 02/07/02 13:50 Date Received..: 02/08/02
Leach Date.....: 02/11/02 Prep Date.....: 02/13/02 Analysis Date..: 02/14/02
Leach Batch #..: P204308 Prep Batch #...: 2044229 Analysis Time..: 21:04
Dilution Factor: 1
Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
1,4-Dichlorobenzene	ND	0.10	mg/L
2,4-Dinitrotoluene	ND	0.10	mg/L
Hexachlorobenzene	ND	0.10	mg/L
Hexachlorobutadiene	ND	0.10	mg/L
Hexachloroethane	ND	0.10	mg/L
2-Methylphenol	ND	0.10	mg/L
Nitrobenzene	ND	0.10	mg/L
Pentachlorophenol	ND	0.50	mg/L
Pyridine	ND	0.20	mg/L
2,4,5-Trichlorophenol	ND	0.10	mg/L
2,4,6-Trichlorophenol	ND	0.10	mg/L
3-Methylphenol & 4-Methylphenol	0.033 J	0.10	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	63	(38 - 91)
Phenol-d5	58	(37 - 94)
Nitrobenzene-d5	66	(41 - 107)
2-Fluorobiphenyl	69	(33 - 99)
2,4,6-Tribromophenol	82	(40 - 110)
Terphenyl-d14	70	(47 - 107)

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

J Estimated result. Result is less than RL.

CONOCO INC.

Client Sample ID: BOOTLEG

TCLP Metals

Lot-Sample #...: D2B080208-003 Matrix.....: WATER
Date Sampled...: 02/07/02 13:50 Date Received..: 02/08/02
Leach Date.....: 02/11/02 Leach Batch #..: P204308

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 2044156						
Silver	ND	0.10	mg/L	SW846 6010B	02/13/02	ETV091AH
		Dilution Factor: 1		Analysis Time..: 17:19		
Arsenic	ND	0.10	mg/L	SW846 6010B	02/13/02	ETV091AJ
		Dilution Factor: 1		Analysis Time..: 17:19		
Barium	0.088 B	0.10	mg/L	SW846 6010B	02/13/02	ETV091AK
		Dilution Factor: 1		Analysis Time..: 17:19		
Cadmium	0.0075 B	0.050	mg/L	SW846 6010B	02/13/02	ETV091AL
		Dilution Factor: 1		Analysis Time..: 17:19		
Chromium	0.0033 B	0.10	mg/L	SW846 6010B	02/13/02	ETV091AM
		Dilution Factor: 1		Analysis Time..: 17:19		
Lead	0.0019 B	0.030	mg/L	SW846 6010B	02/13/02	ETV091AN
		Dilution Factor: 1		Analysis Time..: 17:19		
Selenium	0.023 B	0.050	mg/L	SW846 6010B	02/13/02	ETV091AP
		Dilution Factor: 1		Analysis Time..: 17:19		
Prep Batch #...: 2044178						
Mercury	ND	0.0020	mg/L	SW846 7470A	02/13/02	ETV091AQ
		Dilution Factor: 1		Analysis Time..: 14:08		

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

B Estimated result. Result is less than RL.

CONOCO INC.

Client Sample ID: BOOTLEG

General Chemistry

Lot-Sample #...: D2B080208-003 Work Order #...: ETV09 Matrix.....: WATER
Date Sampled...: 02/07/02 13:50 Date Received..: 02/08/02

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH	6.7	0.10	No Units	MCAWW 150.1	02/09/02	2040119
		Dilution Factor: 1		Analysis Time..: 14:30		
Flashpoint	>160	--	deg F	SW846 1010	02/12/02	2044381
		Dilution Factor: 1		Analysis Time..: 12:00		
Reactive Cyanide	ND	1.0	mg/L	SW846 7.3.3	02/13-02/14/02	2045477
		Dilution Factor: 1		Analysis Time..: 13:00		
Reactive Sulfide	12.8 B,J	50.0	mg/L	SW846 7.3.4	02/12/02	2046240
		Dilution Factor: 1		Analysis Time..: 12:00		

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Hobbs, NM 88241-1980
District II · (505) 748-1283
811 S. First
Artesia, NM 88210
District III · (505) 334-6178
1000 Rio Brazos Road
Aztec, NM 87410
District IV · (505) 827-7131

Energy Minerals and Natural Resources Department
Oil Conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

RECEIVED
MAR 18 2002
Environmental Bureau
Oil Conservation Division

Originate

Submit
Plus
to app
Distri

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☒	4. Generator Conoco Inc.
Verbal Approval Received: Yes ☐ No ☐	5. Originating Site Antelope Ridge
2. Management Facility Destination SUNDANCE SERVICES INC.	6. Transporter Key
3. Address of Facility Operator P.O. BOX 1737 Eunice NM 88231	8. State NEW MEXICO
7. Location of Material (Street Address or ULSTR) Sec 15	34E 23S

9. Circle One:

A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from Generator; one certificate per job.

(B.) All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous listing or testing will be approved.

All transporters must certify the wastes delivered are only those consigned for transport.

BRIEF DESCRIPTION OF MATERIAL:

Attached are analytical results for compressor station for Conoco Inc. I have included a chain of custody and certificate of waste status. Sundance would like approval to accept this material into our Parabo Facility.

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

SIGNATURE: Donna Roach Waste Management Facility Authorized Agent TITLE: OFFICE MGR DATE: _____

TYPE OR PRINT NAME: DONNA L. ROACH TELEPHONE NO. 505-394-2511

(This space for State Use)

APPROVED BY: _____ TITLE: Environmental Engr DATE: 3-7-02

APPROVED BY: _____ TITLE: Environmental Geologist DATE: 3-18-02

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

COMPANY /GENERATOR CONOCO INC. (CG&P)

ADDRESS 921 W.SANGER HOBBS,NM 88240

GENERATING SITE Antelope Ridge Plant

GENERATING PROCESS ENGINE /COMPRESSOR OPERATION

REMARKS

NMOCD FACILITY SUNDANCE SERVICES INC.

TRUCKING COMPANY HUGHES TRKING / STEVE CARTER TRKING/ KEY SERVICES

As a condition of acceptance for disposal, I hereby certify that his waste is a non-exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory determinations. 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 Mark Bishop
SIGNATURE

NAME MARK BISHOP
PRINTED

ADDRESS 921 W. SANGER

HOBBS, NM 88240

DATE 2-14-02

[redacted]

Chain of Custody Record

3.7°C
QB 2/8

SEVERN TRENT SERVICES

Severn Trent Laboratories, Inc.

52547

STL4149 (0700)

Client	Project Manager	Date	Page
Maxim Technologies	Dan Erskine	2/7/02	1 of 1
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Location**	**Analysis**
10601 Lomas NE	505-237-8440		
City / **State** / **Zip Code**	**Site Contact**		
Albuquerque / NM / 87112	Dan Erskine		
Project Number/Name	**Carrier/Waybill Number**		
Conoco Oily Waste			
Contract/Purchase Order/Quote Number			

Sample I.D. Number and Description	Date	Time	Sample Type	Containers: Volume	Containers: Type	Containers: No.	Preservative	Condition on Receipt/Comments
Hobbs Plant	2/7/02	1230		32 oz	Glass	2	Cold	TCLP VOA SVOA metals Reactivity PH Flashpoint per client requirement 2/8/02 PJR
Antelope Ridge	↓	1310		↓	↓	↓	↓	
Bootleg	↓	1350		↓	↓	↓	↓	

Special Instructions

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

Sample Disposal
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months
(A fee may be assessed if samples are retained longer than 3 months)

Turn Around Time Required
☒ Normal ☐ Rush ☐ Other _____

QC Level
☐ I. ☐ II. ☐ III.

Project Specific Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: Daniel W. Erskine	2/7/02	1530	1. Received By: [illegible]	2/8/02	0930
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

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

CONOCO INC.

Client Sample ID: ANTELOPE RIDGE

TCLP GC/MS Volatiles

Lot-Sample #...: D2B080208-002	Work Order #...: ETV071AG	Matrix.....:	WATER
Date Sampled...: 02/07/02 13:10	Date Received..: 02/08/02		
Leach Date.....: 02/11/02	Prep Date.....: 02/18/02	Analysis Date..:	02/18/02
Leach Batch #..: P204309	Prep Batch #...: 2050193	Analysis Time..:	14:01
Dilution Factor: 1			
	Method.....: SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	ND	0.010	mg/L
2-Butanone	0.058 B	0.050	mg/L
Carbon tetrachloride	ND	0.010	mg/L
Chlorobenzene	ND	0.010	mg/L
Chloroform	ND	0.010	mg/L
1,2-Dichloroethane	ND	0.010	mg/L
1,1-Dichloroethene	ND	0.010	mg/L
Tetrachloroethene	ND	0.010	mg/L
Trichloroethene	ND	0.010	mg/L
Vinyl chloride	ND	0.020	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	89	(80 - 120)
1,2-Dichloroethane-d4	82	(72 - 127)
4-Bromofluorobenzene	91	(79 - 119)
Toluene-d8	98	(79 - 119)

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

B Method blank contamination. The associated method blank contains the target analyte at a reportable level.

CONOCO INC.

Client Sample ID: ANTELOPE RIDGE

TCLP GC/MS Semivolatiles

Lot-Sample #...: D2B080208-002 Work Order #...: ETV071AF Matrix.....: WATER
Date Sampled...: 02/07/02 13:10 Date Received..: 02/08/02
Leach Date.....: 02/11/02 Prep Date.....: 02/13/02 Analysis Date..: 02/14/02
Leach Batch #..: P204308 Prep Batch #...: 2044229 Analysis Time..: 20:43
Dilution Factor: 1
Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
1,4-Dichlorobenzene	ND	0.10	mg/L
2,4-Dinitrotoluene	ND	0.10	mg/L
Hexachlorobenzene	ND	0.10	mg/L
Hexachlorobutadiene	ND	0.10	mg/L
Hexachloroethane	ND	0.10	mg/L
2-Methylphenol	ND	0.10	mg/L
Nitrobenzene	ND	0.10	mg/L
Pentachlorophenol	ND	0.50	mg/L
Pyridine	ND	0.20	mg/L
2,4,5-Trichlorophenol	ND	0.10	mg/L
2,4,6-Trichlorophenol	ND	0.10	mg/L
3-Methylphenol & 4-Methylphenol	ND	0.10	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	77	(38 - 91)
Phenol-d5	72	(37 - 94)
Nitrobenzene-d5	81	(41 - 107)
2-Fluorobiphenyl	74	(33 - 99)
2,4,6-Tribromophenol	91	(40 - 110)
Terphenyl-d14	73	(47 - 107)

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

CONOCO INC.

Client Sample ID: ANTELOPE RIDGE

TCLP Metals

Lot-Sample #...: D2B080208-002 Matrix.....: WATER
Date Sampled...: 02/07/02 13:10 Date Received..: 02/08/02
Leach Date.....: 02/11/02 Leach Batch #..: P204308

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 2044156						
Silver	ND	0.10	mg/L	SW846 6010B	02/13/02	ETV071AH
		Dilution Factor: 1		Analysis Time..: 17:13		
Arsenic	0.053 B	0.10	mg/L	SW846 6010B	02/13/02	ETV071AJ
		Dilution Factor: 1		Analysis Time..: 17:13		
Barium	0.019 B	0.10	mg/L	SW846 6010B	02/13/02	ETV071AK
		Dilution Factor: 1		Analysis Time..: 17:13		
Cadmium	ND	0.050	mg/L	SW846 6010B	02/13/02	ETV071AL
		Dilution Factor: 1		Analysis Time..: 17:13		
Chromium	0.0048 B	0.10	mg/L	SW846 6010B	02/13/02	ETV071AM
		Dilution Factor: 1		Analysis Time..: 17:13		
Lead	0.0020 B	0.030	mg/L	SW846 6010B	02/13/02	ETV071AN
		Dilution Factor: 1		Analysis Time..: 17:13		
Selenium	0.0080 B	0.050	mg/L	SW846 6010B	02/13/02	ETV071AP
		Dilution Factor: 1		Analysis Time..: 17:13		
Prep Batch #...: 2044178						
Mercury	ND	0.0020	mg/L	SW846 7470A	02/13/02	ETV071AQ
		Dilution Factor: 1		Analysis Time..: 14:03		

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

B Estimated result. Result is less than RL.

CONOCO INC.

Client Sample ID: ANTELOPE RIDGE

General Chemistry

Lot-Sample #...: D2B080208-002 Work Order #...: ETV07 Matrix.....: WATER
Date Sampled...: 02/07/02 13:10 Date Received..: 02/08/02

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH	7.7	0.10	No Units	MCAWW 150.1	02/09/02	2040119
		Dilution Factor: 1		Analysis Time..: 14:30		
Flashpoint	>160	--	deg F	SW846 1010	02/12/02	2044381
		Dilution Factor: 1		Analysis Time..: 12:00		
Reactive Cyanide	ND	1.0	mg/L	SW846 7.3.3	02/13-02/14/02	2045477
		Dilution Factor: 1		Analysis Time..: 13:00		
Reactive Sulfide	8.0 B,J	50.0	mg/L	SW846 7.3.4	02/12/02	2046240
		Dilution Factor: 1		Analysis Time..: 12:00		

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

District II - (505) 748-1283
811 S. First
Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Road
Aztec, NM 87410
District IV - (505) 827-7131

Energy Minerals and Natural Resources Department
Oil Conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

RECEIVED
MAR 18 2002
Environmental Bureau
Oil Conservation Division

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to a
Dist

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☒	4. Generator Conoco Inc.
Verbal Approval Received: Yes ☐ No ☐	5. Originating Site Cabin Lake
2. Management Facility Destination SUNDANCE SERVICES INC.	6. Transporter Key
3. Address of Facility Operator P.O. BOX 1737 Eunice NM 88231	8. State NEW MEXICO
7. Location of Material (Street Address or ULSTR) Sec 34	30E 215

9. Circle One:

A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from Generator; one certificate per job.

(B.) All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analys PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardou listing or testing will be approved.

All transporters must certify the wastes delivered are only those consigned for transport.

BRIEF DESCRIPTION OF MATERIAL:

Attached are analytical results for compressor station for Conoco Inc. I have included a chain of custody and certificate of waste status. Sundance would like approval to accept this material into our Parabo Facility.

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

SIGNATURE: Donna Roach Waste Management Facility Authorized Agent TITLE: OFFICE MGR DATE: _____

TYPE OR PRINT NAME: DONNA L. ROACH TELEPHONE NO. 505-394-2511

(This space for State Use)

APPROVED BY: _____ TITLE: Environmental Engr DATE: 3-4-02

APPROVED BY: _____ TITLE: Environmental Geologist DATE: 3-18-02

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

COMPANY /GENERATOR CONOCO INC. (CG&P)

ADDRESS 921 W.SANGER HOBBS,NM 88240

GENERATING SITE Cabin Lake

GENERATING PROCESS ENGINE /COMPRESSOR OPERATION

REMARKS

NMOCD FACILITY SUNDANCE SERVICES INC.

TRUCKING COMPANY HUGHES TRKING / STEVE CARTER TRKING/ KEY SERVICES

As a condition of acceptance for disposal, I hereby certify that his waste is a non-exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory determinations. 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 Mark Bishop
SIGNATURE

NAME MARK BISHOP
PRINTED

ADDRESS 921 W. SANGER

HOBBS, NM 88240

DATE 2-14-02

Chain of Custody Record

SEVERN TRENT SERVICES

Severn Trent Laboratories, Inc.

4.3 °C O.S.
4.7 °C 2/5/02 52549

STL4149 (0700)

Client	Project Manager	Date	Page 1 of 1
Maxim	Dan Erskine	2/4/02	
Address 10601 Lomas NE	**Telephone Number (Area Code)/Fax Number** 505-237-8440	**Lab Location**	**Analysis**
City Albuquerque **State** NM **Zip Code** 87112	**Site Contact** Dan Erskine		
Project Number/Name Conoco Oily Waste	**Carrier/Waybill Number**		
Contract/Purchase Order/Quote Number			

Sample I.D. Number and Description	Date	Time	Sample Type	Containers: Volume	Containers: Type	Containers: No.	Preservative	Condition on Receipt/Comments
Eia	2/4/02	1540		16 oz		3	Cold	
				8 oz		1		TCLP VOA
Cabin Lake		1318		16 oz		3		TCLP SVOA
Livingstone Ridge		1500		16 oz		3		TCLP metals
Malaga		1610		16 oz		3		Reactive Cyanide
Hatchesa		1224		16 oz		3		Reactive Sulfide
Lee		930		16 oz		3		Ignitability
~~Turkey Trac~~				8 oz		2		pH
Turkey Track		1109		16 oz		3		
Skelly		1040		16 oz		3		
Maljamar		1015		16 oz		3		

Per client request for 2/6/02

Special Instructions

Possible Hazard Identification	Sample Disposal	
☒ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown	☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months	(A fee may be assessed if samples are retained longer than 3 months)

Turn Around Time Required	QC Level	Project Specific Requirements (Specify)
☒ Normal ☐ Rush ☐ Other _____	☐ I. ☐ II. ☐ III.	

	Date	Time		Date	Time
1. Relinquished By: Daniel W. Erskine	2/4/02	1705	1. Received By: Brown	2/5/02	0815
2. Relinquished By	Date	Time	2. Received By	Date	Time
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments

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

CONOCO INC.

Client Sample ID: CABIN LAKE

TCLP GC/MS Volatiles

Lot-Sample #...: D2B050234-001 **Work Order #...:** ETN6L1AG **Matrix.....:** WATER
Date Sampled...: 02/04/02 13:18 **Date Received..:** 02/05/02
Leach Date.....: 02/06/02 **Prep Date.....:** 02/06/02 **Analysis Date..:** 02/06/02
Leach Batch #..: P203708 **Prep Batch #...:** 2038429 **Analysis Time..:** 19:34
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	ND	0.010	mg/L
2-Butanone	0.080	0.050	mg/L
Carbon tetrachloride	ND	0.010	mg/L
Chlorobenzene	ND	0.010	mg/L
Chloroform	ND	0.010	mg/L
1,2-Dichloroethane	ND	0.010	mg/L
1,1-Dichloroethene	ND	0.010	mg/L
Tetrachloroethene	ND	0.010	mg/L
Trichloroethene	ND	0.010	mg/L
Vinyl chloride	ND	0.020	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	99	(80 - 120)
1,2-Dichloroethane-d4	102	(72 - 127)
4-Bromofluorobenzene	106	(79 - 119)
Toluene-d8	102	(79 - 119)

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

CONOCO INC.

Client Sample ID: CABIN LAKE

TCLP GC/MS Semivolatiles

Lot-Sample #...: D2B050234-001 **Work Order #...:** ETN6L1AF **Matrix.....:** WATER
Date Sampled...: 02/04/02 13:18 **Date Received..:** 02/05/02
Leach Date.....: 02/06/02 **Prep Date.....:** 02/06/02 **Analysis Date..:** 02/08/02
Leach Batch #..: P203706 **Prep Batch #...:** 2037405 **Analysis Time..:** 18:13
Dilution Factor: 1

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
1,4-Dichlorobenzene	ND	0.10	mg/L
2,4-Dinitrotoluene	ND	0.10	mg/L
Hexachlorobenzene	ND	0.10	mg/L
Hexachlorobutadiene	ND	0.10	mg/L
Hexachloroethane	ND	0.10	mg/L
2 Methylphenol	ND	0.10	mg/L
Nitrobenzene	ND	0.10	mg/L
Pentachlorophenol	ND	0.50	mg/L
Pyridine	ND	0.20	mg/L
2,4,5-Trichloro-phenol	ND	0.10	mg/L
2,4,6-Trichloro-phenol	ND	0.10	mg/L
3-Methylphenol & 4-Methylphenol	ND	0.10	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	78	(38 - 91)
Phenol-d5	81	(37 - 94)
Nitrobenzene-d5	80	(41 - 107)
2-Fluorobiphenyl	79	(33 - 99)
2,4,6-Tribromophenol	84	(40 - 110)
Terphenyl-d14	73	(47 - 107)

NOTE(S) :

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

CONOCO INC.

Client Sample ID: CABIN LAKE

TCLP Metals

Lot-Sample #...: D2B050234-001 Matrix.....: WATER
Date Sampled...: 02/04/02 13:18 Date Received..: 02/05/02
Leach Date.....: 02/06/02 Leach Batch #..: P203706

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 2037451						
Mercury	ND	0.0020	mg/L	SW846 7470A	02/08/02	ETN6L1AQ
		Dilution Factor: 1		Analysis Time..: 21:19		
Prep Batch #...: 2038154						
Selenium	0.025 B	0.050	mg/L	SW846 6010B	02/07-02/08/02	ETN6L1AP
		Dilution Factor: 1		Analysis Time..: 18:52		
Silver	ND	0.10	mg/L	SW846 6010B	02/07-02/08/02	ETN6L1AH
		Dilution Factor: 1		Analysis Time..: 18:52		
Arsenic	ND	0.10	mg/L	SW846 6010B	02/07-02/08/02	ETN6L1AJ
		Dilution Factor: 1		Analysis Time..: 18:52		
Barium	0.035 B	0.10	mg/L	SW846 6010B	02/07-02/08/02	ETN6L1AK
		Dilution Factor: 1		Analysis Time..: 18:52		
Cadmium	0.00040 B	0.050	mg/L	SW846 6010B	02/07-02/08/02	ETN6L1AL
		Dilution Factor: 1		Analysis Time..: 18:52		
Chromium	0.0032 B	0.10	mg/L	SW846 6010B	02/07-02/08/02	ETN6L1AM
		Dilution Factor: 1		Analysis Time..: 18:52		
Lead	0.0033 B	0.030	mg/L	SW846 6010B	02/07-02/08/02	ETN6L1AN
		Dilution Factor: 1		Analysis Time..: 18:52		

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

B Estimated result. Result is less than RL.

CONOCO INC.

Client Sample ID: CABIN LAKE

General Chemistry

Lot Sample #...: D2B050234-001 Work Order #...: ETN6L Matrix.....: WATER
Date Sampled...: 02/04/02 13:18 Date Received..: 02/05/02

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH	8.4	0.10	No Units	MCAWW 150.1	02/06/02	2037505
		Dilution Factor: 1		Analysis Time..: 21:15		
Flashpoint	>160	--	deg F	SW846 1010	02/12/02	2044381
		Dilution Factor: 1		Analysis Time..: 12:00		
Reactive Cyanide	ND	1.0	mg/L	SW846 7.3.3	02/07-02/08/02	2039336
		Dilution Factor: 1		Analysis Time..: 10:00		
Reactive Sulfide	2.4 B,J	50.0	mg/L	SW846 7.3.4	02/07/02	2038272
		Dilution Factor: 1		Analysis Time..: 12:00		

NOTE(S):

RL Reporting Limit

J Estimated result. Result is less than RL.

B Method blank contamination. The associated method blank contains the target analyte at a reportable level

Hobbs, NM 88241-1980
District II - (505) 748-1283
811 S. First
Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Road
Aztec, NM 87410
District IV - (505) 827-7131

Energy Minerals and Natural Resources Department
Oil Conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

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Environmental Bureau
Oil Conservation Division

Original

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Distr

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☒	4. Generator Conoco Inc.
Verbal Approval Received: Yes ☐ No ☐	5. Originating Site Livingston Ridge
2. Management Facility Destination SUNDANCE SERVICES INC.	6. Transporter Key
3. Address of Facility Operator P.O. BOX 1737 Eunice NM 88231	8. State NEW MEXICO
7. Location of Material (Street Address or ULSTR) Sec 24	31E 225

9. Circle One:

A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from Generator; one certificate per job.

(B.) All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysi PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardou listing or testing will be approved.

All transporters must certify the wastes delivered are only those consigned for transport.

BRIEF DESCRIPTION OF MATERIAL:

Attached are analytical results for compressor station for Conoco Inc. I have included a chain of custody and certificate of waste status. Sundance would like approval to accept this material into our Parabo Facility.

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

SIGNATURE: Donna Roach Waste Management Facility Authorized Agent TITLE: OFFICE MGR DATE: _____

TYPE OR PRINT NAME: DONNA L. ROACH TELEPHONE NO. 505-394-2511

(This space for State Use)

APPROVED BY: _____ TITLE: Environmental Engr DATE: 3-4-02

APPROVED BY: _____ TITLE: Environmental Geologist DATE: 3-18-02

1

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

COMPANY /GENERATOR CONOCO INC. (CG&P)

ADDRESS 921 W.SANGER HOBBS,NM 88240

GENERATING SITE Livingston Ridge

GENERATING PROCESS ENGINE /COMPRESSOR OPERATION

REMARKS

NMOCD FACILITY SUNDANCE SERVICES INC.

TRUCKING COMPANY HUGHES TRKING / STEVE CARTER TRKING/ KEY SERVICES

As a condition of acceptance for disposal, I hereby certify that his waste is a non-exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory determinations. 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 Mark Bishop
SIGNATURE

NAME MARK BISHOP
PRINTED

ADDRESS 921 W. SANGER

HOBBS, NM 88240

DATE 2-14-02

Chain of Custody Record

SEVERN TRENT SERVICES

Severn Trent Laboratories, Inc.

4.3 °C D.S.
4.7 °C 2/5/02

52549

STL4149 (0700)

Client: Maxim	Project Manager: Dan Erskine	Date: 2/4/02	Page 1 of 1
Address: 10601 Lomas NE	Telephone Number (Area Code)/Fax Number: 505-237-8440	Lab Location:	Analysis
City: Albuquerque / State: NM / Zip Code: 87112	Site Contact: Dan Erskine		
Project Number/Name: Conoco Oily Waft	Carrier/Waybill Number:		
Contract/Purchase Order/Quote Number:			

Sample I.D. Number and Description	Date	Time	Sample Type	Containers: Volume	Containers: Type	Containers: No.	Preservative	Condition on Receipt/Comments
Eisa	2/4/02	1545		16 oz		3	Cold	TCLP VOA TCLP SVOA TCLP Metals Reactive Cyanide Reactive Sulfide Ignitability pH per Client request for 2/6/02
				8 oz		1		
Cabin Lake		1318		16 oz		3		
Livingstone Ridge		1500		16 oz		3		
Malaga		1610		16 oz		3		
Hat Mesa		1224		16 oz		3		
Lee		930		16 oz		3		
Turkey Trac				8 oz		2		
Turkey Track		1109		16 oz		3		
Skelly		1040		16 oz		3		
Maljamar		1015		16 oz		3		

Special Instructions

Possible Hazard Identification: [X] Non-Hazard [ ] Flammable [ ] Skin Irritant [ ] Poison B [ ] Unknown

Sample Disposal: [ ] Return To Client [X] Disposal By Lab [ ] Archive For _____ Months (A fee may be assessed if samples are retained longer than 3 months)

Turn Around Time Required: [X] Normal [ ] Rush [ ] Other _____

QC Level: [ ] I. [ ] II. [ ] III.

Project Specific Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: Daniel W. Erskine	2/4/02	1705	1. Received By: Brown	2/5/02	0815
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

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

CONOCO INC.

Client Sample ID: LIVINGSTONE RIDGE

TCLP GC/MS Volatiles

Lot Sample #...: D2B050234-002	Work Order #...: ETN6M1AG	Matrix.....:	WATER
Date Sampled...: 02/04/02 15:00	Date Received..: 02/05/02		
Leach Date.....: 02/06/02	Prep Date.....: 02/06/02	Analysis Date..:	02/06/02
Leach Batch #..: P203708	Prep Batch #...: 2038429	Analysis Time..:	20:00
Dilution Factor: 1			
	Method.....: SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	ND	0.010	mg/L
2-Butanone	**0.071**	**0.050**	**mg/L**
Carbon tetrachloride	ND	0.010	mg/L
Chlorobenzene	ND	0.010	mg/L
Chloroform	ND	0.010	mg/L
1,2 Dichloroethane	ND	0.010	mg/L
1,1-Dichloroethene	ND	0.010	mg/L
Tetrachloroethene	ND	0.010	mg/L
Trichloroethene	ND	0.010	mg/L
Vinyl chloride	ND	0.020	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	91	(80 - 120)
1,2-Dichloroethane-d4	100	(72 - 127)
4-Bromofluorobenzene	98	(79 - 119)
Toluene-d8	99	(79 - 119)

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

CONOCO INC.

Client Sample ID: LIVINGSTONE RIDGE

TCLP GC/MS Semivolatiles

Lot Sample #...: D2B050234-002 Work Order #...: ETN6M1AF Matrix.....: WATER
Date Sampled...: 02/04/02 15:00 Date Received..: 02/05/02
Leach Date.....: 02/06/02 Prep Date.....: 02/06/02 Analysis Date..: 02/08/02
Leach Batch #..: P203706 Prep Batch #...: 2037405 Analysis Time..: 18:34
Dilution Factor: 1
Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
1,4-Dichlorobenzene	ND	0.10	mg/L
2,4-Dinitrotoluene	ND	0.10	mg/L
Hexachlorobenzene	ND	0.10	mg/L
Hexachlorobutadiene	ND	0.10	mg/L
Hexachloroethane	ND	0.10	mg/L
2-Methylphenol	ND	0.10	mg/L
Nitrobenzene	ND	0.10	mg/L
Pentachlorophenol	ND	0.50	mg/L
Pyridine	ND	0.20	mg/L
2,4,5-Trichlorophenol	ND	0.10	mg/L
2,4,6-Trichlorophenol	ND	0.10	mg/L
3-Methylphenol & 4-Methylphenol	ND	0.10	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	70	(38 - 91)
Phenol-d5	74	(37 - 94)
Nitrobenzene-d5	72	(41 - 107)
2-Fluorobiphenyl	60	(33 - 99)
2,4,6-Tribromophenol	72	(40 - 110)
Terphenyl-d14	55	(47 - 107)

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

CONOCO INC.

Client Sample ID: LIVINGSTONE RIDGE

TCLP Metals

Lot-Sample #...: D2B050234-002 **Matrix.....:** WATER
Date Sampled...: 02/04/02 15:00 **Date Received..:** 02/05/02
Leach Date.....: 02/06/02 **Leach Batch #..:** P203706

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 2037451						
Mercury	ND	0.0020	mg/L	SW846 7470A	02/08/02	ETN6M1AQ
		Dilution Factor: 1		Analysis Time..: 21:21		
Prep Batch #...: 2038154						
Silver	ND	0.10	mg/L	SW846 6010B	02/07-02/08/02	ETN6M1AH
		Dilution Factor: 1		Analysis Time..: 19:08		
Arsenic	0.036 B	0.10	mg/L	SW846 6010B	02/07-02/08/02	ETN6M1AJ
		Dilution Factor: 1		Analysis Time..: 19:08		
Barium	0.19	0.10	mg/L	SW846 6010B	02/07-02/08/02	ETN6M1AK
		Dilution Factor: 1		Analysis Time..: 19:08		
Cadmium	0.0070 B	0.050	mg/L	SW846 6010B	02/07-02/08/02	ETN6M1AL
		Dilution Factor: 1		Analysis Time..: 19:08		
Chromium	0.0056 B	0.10	mg/L	SW846 6010B	02/07-02/08/02	ETN6M1AM
		Dilution Factor: 1		Analysis Time..: 19:08		
Lead	0.0032 B	0.030	mg/L	SW846 6010B	02/07-02/08/02	ETN6M1AN
		Dilution Factor: 1		Analysis Time..: 19:08		
Selenium	0.030 B	0.050	mg/L	SW846 6010B	02/07-02/08/02	ETN6M1AP
		Dilution Factor: 1		Analysis Time..: 19:08		

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

B - Estimated result. Result is less than RL.

CONOCO INC.

Client Sample ID: LIVINGSTONE RIDGE

General Chemistry

Lot Sample #...: D2B050234-002 Work Order #...: ETN6M Matrix.....: WATER
Date Sampled...: 02/04/02 15:00 Date Received..: 02/05/02

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH	7.4	0.10	No Units	MCAWW 150.1	02/06/02	2037505
		Dilution Factor: 1		Analysis Time..: 21:15		
Flashpoint	>160	--	deg F	SW846 1010	02/12/02	2044381
		Dilution Factor: 1		Analysis Time..: 12:00		
Reactive Cyanide	ND	1.0	mg/L	SW846 7.3.3	02/07-02/08/02	2039336
		Dilution Factor: 1		Analysis Time..: 10:00		
Reactive Sulfide	ND	50.0	mg/L	SW846 7.3.4	02/07/02	2038272
		Dilution Factor: 1		Analysis Time..: 12:00		

District II · (505) 748-1283
811 S. First
Artesia, NM 88210
District III · (505) 334-6178
1000 Rio Brazos Road
Aztec, NM 87410
District IV · (505) 827-7131

Energy Minerals and Natural Resources Department
Oil Conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

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Environmental Bureau
Oil Conservation Division

Origin
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to
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REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☒	4. Generator Conoco Inc.
Verbal Approval Received: Yes ☐ No ☐	5. Originating Site Maljamar
2. Management Facility Destination SUNDANCE SERVICES INC.	6. Transporter Key
3. Address of Facility Operator P.O. BOX 1737 Eunice NM 88231	8. State NEW MEXICO
7. Location of Material (Street Address or ULSTR) Sec 21	32E 17S

9. Circle One:

A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste fro Generator; one certificate per job.

(B.) All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analy PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardo listing or testing will be approved.

All transporters must certify the wastes delivered are only those consigned for transport.

BRIEF DESCRIPTION OF MATERIAL:

Attached are analytical results for compressor station for Conoco Inc. I have included a chain of custody and certificate of waste status. Sundance would like approval to accept this material into our Parabo Facility.

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

SIGNATURE: Donna Roach (Waste Management Facility Authorized Agent) TITLE: OFFICE MGR DATE: _____

TYPE OR PRINT NAME: DONNA L. ROACH TELEPHONE NO. 505-394-2511

(This space for State Use)

APPROVED BY: _____ TITLE: Environmental Engr DATE: 3-1-02

APPROVED BY: _____ TITLE: Environmental Geologist DATE: 3-6-02

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

COMPANY /GENERATOR CONOCO INC. (CG&P)

ADDRESS 921 W.SANGER HOBBS,NM 88240

GENERATING SITE Maljamar

GENERATING PROCESS ENGINE /COMPRESSOR OPERATION

REMARKS

NMOCD FACILITY SUNDANCE SERVICES INC.

TRUCKING COMPANY HUGHES TRKING / STEVE CARTER TRKING/ KEY SERVICES

As a condition of acceptance for disposal, I hereby certify that his waste is a non-exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory determinations. 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 Mark Bishop
SIGNATURE

NAME MARK BISHOP
PRINTED

ADDRESS 921 W. SANGER

HOBBS, NM 88240

DATE 2-14-02

Chain of Custody Record

SEVERN TRENT SERVICES

Severn Trent Laboratories, Inc.

4.3 °C 4.7 °C D.S. 2/5/02 52549

STL4149 (0700)

Client: Maxim	Project Manager: Dan Erskine	Date: 2/4/02	Page 1 of 1
Address: 10601 Lomas NE	Telephone Number (Area Code)/Fax Number: 505-237-8440	Lab Location:	Analysis
City: Albuquerque / State: NM / Zip Code: 87112	Site Contact: Dan Erskine		
Project Number/Name: Conoco Oily Waste	Carrier/Waybill Number:		
Contract/Purchase Order/Quote Number:			

Sample I.D. Number and Description	Date	Time	Sample Type	Containers: Volume	Type	No.	Preservative	Condition on Receipt/Comments
Trip	2/4/02	154		16 oz		3	Cold	
				8 oz		1		
Cabin Lake		1318		16 oz		3		
Livingstone Ridge		1500		16 oz		3		
Malaga		1610		16 oz		3		
Hat Mesa		1724		16 oz		3		
~~Lea~~		430		16 oz		3		
~~Turkey Trac~~				8 oz		2		
Turkey Track		1109		16 oz		3		
Skelly		1042		16 oz		3		
Maljamar		1015		16 oz		3		

Special Instructions

Possible Hazard Identification: [X] Non-Hazard [ ] Flammable [ ] Skin Irritant [ ] Poison B [ ] Unknown

Sample Disposal: [ ] Return To Client [X] Disposal By Lab [ ] Archive For ____ Months (A fee may be assessed if samples are retained longer than 3 months)

Turn Around Time Required: [X] Normal [ ] Rush [ ] Other ____

QC Level: [ ] I. [ ] II. [ ] III.

Project Specific Requirements (Specify):

	Date	Time		Date	Time
1. Relinquished By: Daniel W. Erskine	2/4/02	1705	1. Received By: Brown	2/5/02	0815
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

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

CONOCO INC.

Client Sample ID: MALJAMAR

TCLP GC/MS Volatiles

Lot-Sample #...: D2B050220-003	Work Order #...: ETN401AG	Matrix.....: WATER
Date Sampled...: 02/04/02 10:15	Date Received..: 02/05/02	
Leach Date.....: 02/06/02	Prep Date.....: 02/06/02	Analysis Date..: 02/06/02
Leach Batch #..: P203708	Prep Batch #...: 2038429	Analysis Time..: 19:08
Dilution Factor: 1		
	Method.....: SW846 8260B	

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	ND	0.010	mg/L
2-Butanone	0.031 J	0.050	mg/L
Carbon tetrachloride	ND	0.010	mg/L
Chlorobenzene	ND	0.010	mg/L
Chloroform	ND	0.010	mg/L
1,2-Dichloroethane	ND	0.010	mg/L
1,1-Dichloroethene	ND	0.010	mg/L
Tetrachloroethene	ND	0.010	mg/L
Trichloroethene	ND	0.010	mg/L
Vinyl chloride	ND	0.020	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	80	(80 - 120)
1,2-Dichloroethane-d4	95	(72 - 127)
4-Bromofluorobenzene	104	(79 - 119)
Toluene-d8	102	(79 - 119)

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

J Estimated result. Result is less than RL.

CONOCO INC.

Client Sample ID: MALJAMAR

GC/MS Semivolatiles

Lot-Sample #...: D2B050220-003 Work Order #...: ETN402AF Matrix.....: WATER
Date Sampled...: 02/04/02 10:15 Date Received..: 02/05/02
Prep Date.....: 02/22/02 Analysis Date..: 02/25/02
Prep Batch #...: 2056204 Analysis Time..: 20:27
Dilution Factor: 1
Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
1,4-Dichlorobenzene	ND	0.10	mg/L
2,4-Dinitrotoluene	ND	0.10	mg/L
Hexachlorobenzene	ND	0.10	mg/L
Hexachlorobutadiene	ND	0.10	mg/L
Hexachloroethane	ND	0.10	mg/L
2-Methylphenol	**0.018 J**	**0.10**	**mg/L**
Nitrobenzene	ND	0.10	mg/L
Pentachlorophenol	ND	0.50	mg/L
Pyridine	ND	0.20	mg/L
2,4,5-Trichloro-phenol	ND	0.10	mg/L
2,4,6-Trichloro-phenol	ND	0.10	mg/L
3-Methylphenol & 4-Methylphenol	**0.031 J**	**0.10**	**mg/L**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	73	(38 - 91)
Phenol-d5	70	(37 - 94)
Nitrobenzene-d5	86	(41 - 107)
2-Fluorobiphenyl	77	(33 - 99)
2,4,6-Tribromophenol	62	(40 - 110)
Terphenyl-d14	72	(47 - 107)

NOTE(S):

J Estimated result. Result is less than RL.

CONOCO INC.

Client Sample ID: MALJAMAR

TCLP GC/MS Semivolatiles

Lot-Sample #...: D2B050220-003 Work Order #...: ETN401AF Matrix.....: WATER
Date Sampled...: 02/04/02 10:15 Date Received..: 02/05/02
Leach Date.....: 02/06/02 Prep Date.....: 02/06/02 Analysis Date..: 02/08/02
Leach Batch #..: P203706 Prep Batch #...: 2037405 Analysis Time..: 17:51
Dilution Factor: 1
Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
1,4-Dichlorobenzene	ND	0.10	mg/L
2,4-Dinitrotoluene	ND	0.10	mg/L
Hexachlorobenzene	ND	0.10	mg/L
Hexachlorobutadiene	ND	0.10	mg/L
Hexachloroethane	ND	0.10	mg/L
2-Methylphenol	ND	0.10	mg/L
Nitrobenzene	ND	0.10	mg/L
Pentachlorophenol	ND	0.50	mg/L
Pyridine	ND	0.20	mg/L
2,4,5-Trichlorophenol	ND	0.10	mg/L
2,4,6-Trichlorophenol	ND	0.10	mg/L
3-Methylphenol & 4-Methylphenol	ND	0.10	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	75	(38 - 91)
Phenol-d5	76	(37 - 94)
Nitrobenzene-d5	75	(41 - 107)
2-Fluorobiphenyl	73	(33 - 99)
2,4,6-Tribromophenol	0.0 *	(40 - 110)
Terphenyl-d14	44 *	(47 - 107)

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

* Surrogate recovery is outside stated control limits.

CONOCO INC.

Client Sample ID: MALJAMAR

TCLP Metals

Lot-Sample #...: D2B050220-003 Matrix.....: WATER
Date Sampled...: 02/04/02 10:15 Date Received..: 02/05/02
Leach Date.....: 02/06/02 Leach Batch #..: P203706

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 2037451						
Mercury	ND	0.020	mg/L	SW846 7470A	02/08/02	ETN401AQ
		Dilution Factor: 10		Analysis Time..: 21:09		
Prep Batch #...: 2038154						
Silver	ND	0.20	mg/L	SW846 6010B	02/07-02/11/02	ETN401AH
		Dilution Factor: 2		Analysis Time..: 13:11		
Arsenic	0.087 B	0.20	mg/L	SW846 6010B	02/07-02/11/02	ETN401AJ
		Dilution Factor: 2		Analysis Time..: 13:11		
Barium	0.042 B	0.20	mg/L	SW846 6010B	02/07-02/11/02	ETN401AK
		Dilution Factor: 2		Analysis Time..: 13:11		
Cadmium	0.023 B	0.10	mg/L	SW846 6010B	02/07-02/11/02	ETN401AL
		Dilution Factor: 2		Analysis Time..: 13:11		
Chromium	0.21	0.20	mg/L	SW846 6010B	02/07-02/11/02	ETN401AM
		Dilution Factor: 2		Analysis Time..: 13:11		
Lead	0.089	0.060	mg/L	SW846 6010B	02/07-02/11/02	ETN401AN
		Dilution Factor: 2		Analysis Time..: 13:11		
Selenium	0.62	0.10	mg/L	SW846 6010B	02/07-02/11/02	ETN401AP
		Dilution Factor: 2		Analysis Time..: 13:11		

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

B Estimated result. Result is less than RL.

CONOCO INC.

Client Sample ID: MALJAMAR

General Chemistry

Lot-Sample #...: D2B050220-003 Work Order #...: ETN40 Matrix.....: WATER
Date Sampled...: 02/04/02 10:15 Date Received..: 02/05/02

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH	10.2	0.10	No Units	MCAWW 150.1	02/06/02	2037505
		Dilution Factor: 1		Analysis Time..: 21:15		
Flashpoint	>160	--	deg F	SW846 1010	02/11/02	2042328
		Dilution Factor: 1		Analysis Time..: 12:00		
Reactive Cyanide	ND	1.0	mg/L	SW846 7.3.3	02/07-02/08/02	2039336
		Dilution Factor: 1		Analysis Time..: 10:00		
Reactive Sulfide	0.80 B,J	50.0	mg/L	SW846 7.3.4	02/07/02	2038272
		Dilution Factor: 1		Analysis Time..: 12:00		

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

District II · (505) 748-1283
811 S. First
Artesia, NM 88210
District III · (505) 334-6178
1000 Rio Brazos Road
Aztec, NM 87410
District IV · (505) 827-7131

Energy Minerals and Natural Resources Department
Oil Conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

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Environmental Bureau
Oil Conservation Division

Origin

Subm
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Dis

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☒	4. Generator Conoco Inc.
Verbal Approval Received: Yes ☐ No ☐	5. Originating Site Lee
2. Management Facility Destination SUNDANCE SERVICES INC.	6. Transporter Key
3. Address of Facility Operator P.O. BOX 1737 Eunice NM 88231	8. State NEW MEXICO
7. Location of Material (Street Address or ULSTR) Sec 24	35E 17S

9 Circle One:

A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste fro Generator; one certificate per job.

(B) All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analy PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardo listing or testing will be approved.

All transporters must certify the wastes delivered are only those consigned for transport.

BRIEF DESCRIPTION OF MATERIAL:

Attached are analytical results for compressor station for Conoco Inc. I have included a chain of custody and certificate of waste status. Sundance would like approval to accept this material into our Parabo Facility.

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

SIGNATURE: Donna Roach (Waste Management Facility Authorized Agent) TITLE: OFFICE MGR DATE: _____

TYPE OR PRINT NAME: DONNA L. ROACH TELEPHONE NO. 505-394-2511

(This space for State Use)

APPROVED BY: _____ TITLE: Environmental Engr DATE: 3-1-02

APPROVED BY: _____ TITLE: Environmental Geologist DATE: 3-6-02

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

COMPANY /GENERATOR CONOCO INC. (CG&P)

ADDRESS 921 W.SANGER HOBBS,NM 88240

GENERATING SITE Lee

GENERATING PROCESS ENGINE /COMPRESSOR OPERATION

REMARKS

NMOCD FACILITY SUNDANCE SERVICES INC.

TRUCKING COMPANY HUGHES TRKING / STEVE CARTER TRKING/ KEY SERVICES

As a condition of acceptance for disposal, I hereby certify that his waste is a non-exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory determinations. 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 Mark Bishop
SIGNATURE

NAME MARK BISHOP
PRINTED

ADDRESS 921 W. SANGER

HOBBS, NM 88240

DATE 2-14-02

Chain of Custody Record

SEVERN TRENT SERVICES

Severn Trent Laboratories, Inc.

4.3 °C D.S.
4.7 °C 2/5/02

52549

STL4149 (0700)

Client	Project Manager	Date	Page 1 of 1
Maxim	Dan Erskine	2/4/02	
Address 10601 Lomas NE	**Telephone Number (Area Code)/Fax Number** 505-237-8440	**Lab Location**	**Analysis**
City Albuquerque **State** NM **Zip Code** 87112	**Site Contact** Dan Erskine		
Project Number/Name Conoco Oily Waste	**Carrier/Waybill Number**		
Contract/Purchase Order/Quote Number			

Sample I.D. Number and Description	Date	Time	Sample Type	Containers: Volume	Containers: Type	Containers: No.	Preservative	Condition on Receipt/Comments
~~Eiq~~	2/4/02	1540		16 oz		3	Cold	TCLP VOA TCLP SVOA TCLP metals Reactive Cyanide Reactive Sulfide Ignitability PH per client request for 2/6/02
				8 oz		1		
Cabin Lake		1318		16 oz		3		
Livingstone Ridge		1500		16 oz		3		
Malaga		1610		16 oz		3		
~~Hat Mesa~~		1224		16 oz		3		
~~Lee~~		930		16 oz		3		
~~Turkey Trac~~				8 oz		2		
Turkey Track		1109		16 oz		3		
Skelly		1040		16 oz		3		
Maljamar		1015		16 oz		3		

Special Instructions

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

Sample Disposal
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months
(A fee may be assessed if samples are retained longer than 3 months)

Turn Around Time Required
☐ Normal ☐ Rush ☐ Other _____

QC Level
☐ I. ☐ II. ☐ III.

Project Specific Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: Daniel W. Erskine	2/4/02	1705	1. Received By: Brown	2/5/02	0815
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

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

CONOCO INC.

Client Sample ID: LEE

TCLP GC/MS Volatiles

Lot-Sample #...: D2B050220-002	Work Order #...: ETN4W1AG	Matrix.....: WATER
Date Sampled...: 02/04/02 09:30	Date Received..: 02/05/02	
Leach Date.....: 02/06/02	Prep Date.....: 02/06/02	Analysis Date..: 02/06/02
Leach Batch #..: P203708	Prep Batch #...: 2038429	Analysis Time..: 18:42
Dilution Factor: 1		
	Method.....: SW846 8260B	

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	0.022	0.010	mg/L
2-Butanone	0.056	0.050	mg/L
Carbon tetrachloride	ND	0.010	mg/L
Chlorobenzene	ND	0.010	mg/L
Chloroform	0.0077 J	0.010	mg/L
1,2-Dichloroethane	ND	0.010	mg/L
1,1-Dichloroethene	ND	0.010	mg/L
Tetrachloroethene	ND	0.010	mg/L
Trichloroethene	ND	0.010	mg/L
Vinyl chloride	ND	0.020	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	94	(80 - 120)
1,2-Dichloroethane-d4	100	(72 - 127)
4-Bromofluorobenzene	104	(79 - 119)
Toluene-d8	104	(79 - 119)

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characterisitic Leaching Procedure Method 1311

J Estimated result. Result is less than RL.

CONOCO INC.

Client Sample ID: LEE

TCLP GC/MS Semivolatiles

Lot-Sample #...: D2B050220-002 Work Order #...: ETN4W1AF Matrix.....: WATER
Date Sampled...: 02/04/02 09:30 Date Received..: 02/05/02
Leach Date.....: 02/06/02 Prep Date.....: 02/06/02 Analysis Date..: 02/08/02
Leach Batch #..: P203706 Prep Batch #...: 2037405 Analysis Time..: 17:30
Dilution Factor: 1
Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
1,4-Dichlorobenzene	ND	0.10	mg/L
2,4-Dinitrotoluene	ND	0.10	mg/L
Hexachlorobenzene	ND	0.10	mg/L
Hexachlorobutadiene	ND	0.10	mg/L
Hexachloroethane	ND	0.10	mg/L
2-Methylphenol	ND	0.10	mg/L
Nitrobenzene	ND	0.10	mg/L
Pentachlorophenol	ND	0.50	mg/L
Pyridine	ND	0.20	mg/L
2,4,5-Trichlorophenol	ND	0.10	mg/L
2,4,6-Trichlorophenol	ND	0.10	mg/L
3-Methylphenol & 4-Methylphenol	ND	0.10	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	18 *	(38 - 91)
Phenol-d5	31 *	(37 - 94)
Nitrobenzene-d5	64	(41 - 107)
2-Fluorobiphenyl	35	(33 - 99)
2,4,6-Tribromophenol	45	(40 - 110)
Terphenyl-d14	54	(47 - 107)

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

* Surrogate recovery is outside stated control limits.

CONOCO INC.

Client Sample ID: LEE

TCLP GC/MS Semivolatiles

Lot-Sample #...: D2B050220-002 Work Order #...: ETN4W2AF Matrix.....: WATER
Date Sampled...: 02/04/02 09:30 Date Received..: 02/05/02
Leach Date.....: 02/06/02 Prep Date.....: 02/13/02 Analysis Date..: 02/14/02
Leach Batch #..: P203706 Prep Batch #...: 2044219 Analysis Time..: 19:40
Dilution Factor: 1
Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
1,4-Dichlorobenzene	ND	0.10	mg/L
2,4-Dinitrotoluene	ND	0.10	mg/L
Hexachlorobenzene	ND	0.10	mg/L
Hexachlorobutadiene	ND	0.10	mg/L
Hexachloroethane	ND	0.10	mg/L
2-Methylphenol	ND	0.10	mg/L
Nitrobenzene	ND	0.10	mg/L
Pentachlorophenol	ND	0.50	mg/L
Pyridine	ND	0.20	mg/L
2,4,5-Trichlorophenol	ND	0.10	mg/L
2,4,6-Trichlorophenol	ND	0.10	mg/L
3-Methylphenol & 4-Methylphenol	ND	0.10	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	36 *	(38 - 91)
Phenol-d5	44	(37 - 94)
Nitrobenzene-d5	79	(41 - 107)
2-Fluorobiphenyl	74	(33 - 99)
2,4,6-Tribromophenol	63	(40 - 110)
Terphenyl-d14	76	(47 - 107)

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

* Surrogate recovery is outside stated control limits.

CONOCO INC.

Client Sample ID: LEE

TCLP Metals

Lot-Sample #...: D2B050220-002 Matrix.....: WATER
Date Sampled...: 02/04/02 09:30 Date Received..: 02/05/02
Leach Date.....: 02/06/02 Leach Batch #..: P203706

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 2037451						
Mercury	ND	0.0020	mg/L	SW846 7470A	02/08/02	ETN4W1AQ
		Dilution Factor: 1		Analysis Time..: 21:07		
Prep Batch #...: 2038154						
Silver	ND	0.10	mg/L	SW846 6010B	02/07-02/08/02	ETN4W1AH
		Dilution Factor: 1		Analysis Time..: 18:20		
Arsenic	ND	0.10	mg/L	SW846 6010B	02/07-02/08/02	ETN4W1AJ
		Dilution Factor: 1		Analysis Time..: 18:20		
Barium	0.060 B	0.10	mg/L	SW846 6010B	02/07-02/08/02	ETN4W1AK
		Dilution Factor: 1		Analysis Time..: 18:20		
Cadmium	0.15	0.050	mg/L	SW846 6010B	02/07-02/08/02	ETN4W1AL
		Dilution Factor: 1		Analysis Time..: 18:20		
Chromium	0.0086 B	0.10	mg/L	SW846 6010B	02/07-02/08/02	ETN4W1AM
		Dilution Factor: 1		Analysis Time..: 18:20		
Lead	0.019 B	0.030	mg/L	SW846 6010B	02/07-02/08/02	ETN4W1AN
		Dilution Factor: 1		Analysis Time..: 18:20		
Selenium	0.27	0.050	mg/L	SW846 6010B	02/07-02/08/02	ETN4W1AP
		Dilution Factor: 1		Analysis Time..: 18:20		

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

B Estimated result. Result is less than RL.

CONOCO INC.

Client Sample ID: LEE

General Chemistry

Lot-Sample #...: D2B050220-002 Work Order #...: ETN4W Matrix.....: WATER
Date Sampled...: 02/04/02 09:30 Date Received..: 02/05/02

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH	6.5	0.10	No Units	MCAWW 150.1	02/06/02	2042435
		Dilution Factor: 1		Analysis Time..: 12:00		
Flashpoint	>160	--	deg F	SW846 1010	02/11/02	2042328
		Dilution Factor: 1		Analysis Time..: 12:00		
Reactive Cyanide	ND	1.0	mg/L	SW846 7.3.3	02/07-02/08/02	2039336
		Dilution Factor: 1		Analysis Time..: 10:00		
Reactive Sulfide	ND	50.0	mg/L	SW846 7.3.4	02/07/02	2038272
		Dilution Factor: 1		Analysis Time..: 12:00		

District II · (505) 748-1283
811 S. First
Artesia, NM 88210
District III · (505) 334-6178
1000 Rio Brazos Road
Aztec, NM 87410
District IV · (505) 827-7131

Energy Minerals and Natural Resources Department
Oil Conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

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Environmental Bureau
Oil Conservation Division

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REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☒	4. Generator Conoco Inc.
Verbal Approval Received: Yes ☐ No ☐	5. Originating Site ZIA
2. Management Facility Destination SUNDANCE SERVICES INC.	6. Transporter Key
3. Address of Facility Operator P.O. BOX 1737 Eunice NM 88231	8. State NEW MEXICO
7. Location of Material (Street Address or ULSTR) Sec 19	32E 19S

9. Circle One:

A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste fro Generator; one certificate per job.

(B) All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analy PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardo listing or testing will be approved.

All transporters must certify the wastes delivered are only those consigned for transport.

BRIEF DESCRIPTION OF MATERIAL:

Attached are analytical results for compressor station for Conoco Inc. I have included a chain of custody and certificate of waste status. Sundance would like approval to accept this material into our Parabo Facility.

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

SIGNATURE: Donna Roach Waste Management Facility Authorized Agent TITLE: OFFICE MGR DATE: _____

TYPE OR PRINT NAME: DONNA L. ROACH TELEPHONE NO. 505-394-2511

(This space for State Use)

APPROVED BY: _____ TITLE: Environmental Eng DATE: 3-1-02

APPROVED BY: _____ TITLE: Environmental Geologist DATE: 3-6-02

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

COMPANY /GENERATOR CONOCO INC. (CG&P)

ADDRESS 921 W.SANGER HOBBS,NM 88240

GENERATING SITE Zia

GENERATING PROCESS ENGINE /COMPRESSOR OPERATION

REMARKS

NMOCD FACILITY SUNDANCE SERVICES INC.

TRUCKING COMPANY HUGHES TRKING / STEVE CARTER TRKING/ KEY SERVICES

As a condition of acceptance for disposal, I hereby certify that his waste is a non-exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory determinations. 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 Mark Bishop
SIGNATURE

NAME MARK BISHOP
PRINTED

ADDRESS 921 W. SANGER

HOBBS, NM 88240

DATE 2-14-02

Chain of Custody Record

SEVERN TRENT SERVICES

Severn Trent Laboratories, Inc.

4.3 °C D.S.
4.7 ° 2/5/02 52549

STL4149 (0700)

Client	Project Manager	Date	Page 1 of 1
Maxim	Dan Erskine	2/4/02	
Address 10601 Lomas NE	**Telephone Number (Area Code)/Fax Number** 505-237-8440	**Lab Location**	**Analysis**
City Albuquerque **State** NM **Zip Code** 87112	**Site Contact** Dan Erskine		
Project Number/Name Conoco Oily Waste	**Carrier/Waybill Number**		
Contract/Purchase Order/Quote Number			

Sample I.D. Number and Description	Date	Time	Sample Type	Containers: Volume	Containers: Type	Containers: No.	Preservative	Condition on Receipt/Comments
Eiq	2/4/02	1540		16 oz		3	Cold	TCLP VOA
				8 oz		1		TCLP SVOA
Cabin Lake		1315		16 oz		3		TCLP metals
Livingstone Ridge		1500		16 oz		3		Reactive Cyanide
Malaga		1610		16 oz		3		Reactive Sulfide
Hat Mesa		1224		16 oz		3		Ignitability
Lee		930		16 oz		3		
~~Turkey Trac~~				8 oz		1		
Turkey Track		1109		16 oz		3		
Skelly		1040		16 oz		3		
Maljamar		1015		16 oz		3		

per Client request 2/6/02

Special Instructions

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

Sample Disposal
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months
(A fee may be assessed if samples are retained longer than 3 months)

Turn Around Time Required
☐ Normal ☐ Rush ☐ Other _____

QC Level
☐ I. ☐ II. ☐ III.

Project Specific Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: Daniel W. Erskine	2/4/02	1705	1. Received By: Brown	2/5/02	0815
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

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

CONOCO INC.

Client Sample ID: ZIA

TCLP GC/MS Volatiles

Lot-Sample #...: D2B050220-001 Work Order #...: ETN4Q1AG Matrix.....: WATER
Date Sampled...: 02/04/02 15:40 Date Received..: 02/05/02
Leach Date.....: 02/06/02 Prep Date.....: 02/06/02 Analysis Date..: 02/06/02
Leach Batch #..: P203708 Prep Batch #...: 2038429 Analysis Time..: 18:16
Dilution Factor: 1

Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	0.0039 J	0.010	mg/L
2-Butanone	ND	0.050	mg/L
Carbon tetrachloride	ND	0.010	mg/L
Chlorobenzene	ND	0.010	mg/L
Chloroform	ND	0.010	mg/L
1,2-Dichloroethane	ND	0.010	mg/L
1,1-Dichloroethene	ND	0.010	mg/L
Tetrachloroethene	ND	0.010	mg/L
Trichloroethene	ND	0.010	mg/L
Vinyl chloride	ND	0.020	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	100	(80 - 120)
1,2-Dichloroethane-d4	103	(72 - 127)
4-Bromofluorobenzene	100	(79 - 119)
Toluene-d8	100	(79 - 119)

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

J Estimated result. Result is less than RL.

CONOCO INC.

Client Sample ID: ZIA

TCLP GC/MS Semivolatiles

Lot-Sample #...: D2B050220-001 Work Order #...: ETN4Q2AF Matrix.....: WATER
Date Sampled...: 02/04/02 15:40 Date Received..: 02/05/02
Leach Date.....: 02/06/02 Prep Date.....: 02/13/02 Analysis Date..: 02/14/02
Leach Batch #..: P203706 Prep Batch #...: 2044219 Analysis Time..: 18:56
Dilution Factor: 1
Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
1,4-Dichlorobenzene	ND	0.10	mg/L
2,4-Dinitrotoluene	ND	0.10	mg/L
Hexachlorobenzene	ND	0.10	mg/L
Hexachlorobutadiene	ND	0.10	mg/L
Hexachloroethane	ND	0.10	mg/L
2-Methylphenol	ND	0.10	mg/L
Nitrobenzene	ND	0.10	mg/L
Pentachlorophenol	ND	0.50	mg/L
Pyridine	ND	0.20	mg/L
2,4,5-Trichloro-phenol	ND	0.10	mg/L
2,4,6-Trichloro-phenol	ND	0.10	mg/L
3-Methylphenol & 4-Methylphenol	ND	0.10	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	64	(38 - 91)
Phenol-d5	64	(37 - 94)
Nitrobenzene-d5	76	(41 - 107)
2-Fluorobiphenyl	73	(33 - 99)
2,4,6-Tribromophenol	89	(40 - 110)
Terphenyl-d14	76	(47 - 107)

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

CONOCO INC.

Client Sample ID: ZIA

TCLP GC/MS Semivolatiles

Lot-Sample #...: D2B050220-001 Work Order #...: ETN4Q1AF Matrix.....: WATER
Date Sampled...: 02/04/02 15:40 Date Received..: 02/05/02
Leach Date.....: 02/06/02 Prep Date.....: 02/06/02 Analysis Date..: 02/08/02
Leach Batch #..: P203706 Prep Batch #...: 2037405 Analysis Time..: 17:09
Dilution Factor: 1
Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
1,4-Dichlorobenzene	ND	0.10	mg/L
2,4-Dinitrotoluene	ND	0.10	mg/L
Hexachlorobenzene	ND	0.10	mg/L
Hexachlorobutadiene	ND	0.10	mg/L
Hexachloroethane	ND	0.10	mg/L
2-Methylphenol	ND	0.10	mg/L
Nitrobenzene	ND	0.10	mg/L
Pentachlorophenol	ND	0.50	mg/L
Pyridine	ND	0.20	mg/L
2,4,5-Trichlorophenol	ND	0.10	mg/L
2,4,6-Trichlorophenol	ND	0.10	mg/L
3-Methylphenol & 4-Methylphenol	ND	0.10	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	22 *	(38 - 91)
Phenol-d5	23 *	(37 - 94)
Nitrobenzene-d5	26 *	(41 - 107)
2-Fluorobiphenyl	22 *	(33 - 99)
2,4,6-Tribromophenol	26 *	(40 - 110)
Terphenyl-d14	24 *	(47 - 107)

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

* Surrogate recovery is outside stated control limits.

CONOCO INC.

Client Sample ID: ZIA

TCLP Metals

Lot-Sample #...: D2B050220-001 Matrix.....: WATER
Date Sampled...: 02/04/02 15:40 Date Received..: 02/05/02
Leach Date.....: 02/06/02 Leach Batch #..: P203706

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 2037451						
Mercury	ND	0.0020	mg/L	SW846 7470A	02/08/02	ETN4Q1AQ
		Dilution Factor: 1		Analysis Time..: 21:05		
Prep Batch #...: 2038154						
Silver	0.00062 B	0.10	mg/L	SW846 6010B	02/07-02/08/02	ETN4Q1AH
		Dilution Factor: 1		Analysis Time..: 18:15		
Arsenic	0.011 B	0.10	mg/L	SW846 6010B	02/07-02/08/02	ETN4Q1AJ
		Dilution Factor: 1		Analysis Time..: 18:15		
Barium	0.11	0.10	mg/L	SW846 6010B	02/07-02/08/02	ETN4Q1AK
		Dilution Factor: 1		Analysis Time..: 18:15		
Cadmium	0.0023 B	0.050	mg/L	SW846 6010B	02/07-02/08/02	ETN4Q1AL
		Dilution Factor: 1		Analysis Time..: 18:15		
Chromium	0.013 B	0.10	mg/L	SW846 6010B	02/07-02/08/02	ETN4Q1AM
		Dilution Factor: 1		Analysis Time..: 18:15		
Lead	0.013 B	0.030	mg/L	SW846 6010B	02/07-02/08/02	ETN4Q1AN
		Dilution Factor: 1		Analysis Time..: 18:15		
Selenium	ND	0.050	mg/L	SW846 6010B	02/07-02/08/02	ETN4Q1AP
		Dilution Factor: 1		Analysis Time..: 18:15		

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

B Estimated result. Result is less than RL.

CONOCO INC.

Client Sample ID: ZIA

General Chemistry

Lot-Sample #...: D2B050220-001 Work Order #...: ETN4Q Matrix.....: WATER
Date Sampled...: 02/04/02 15:40 Date Received..: 02/05/02

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH	6.8	0.10	No Units	MCAWW 150.1	02/06/02	2042435
		Dilution Factor: 1		Analysis Time..: 12:00		
Flashpoint	>160	--	deg F	SW846 1010	02/11/02	2042328
		Dilution Factor: 1		Analysis Time..: 12:00		
Reactive Cyanide	ND	1.0	mg/L	SW846 7.3.3	02/07-02/08/02	2039336
		Dilution Factor: 1		Analysis Time..: 10:00		
Reactive Sulfide	4.0 B,J	50.0	mg/L	SW846 7.3.4	02/07/02	2038272
		Dilution Factor: 1		Analysis Time..: 12:00		

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

District II · (505) 748-1283
811 S. First
Artesia, NM 88210
District III · (505) 334-6178
1000 Rio Brazos Road
Aztec, NM 87410
District IV · (505) 827-7131

Energy Minerals and Natural Resources Department
Oil Conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

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Environmental Bureau
Oil Conservation Division

Origina

Subm
Pl
to ap
Distr

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☒	4. Generator Conoco Inc.
Verbal Approval Received: Yes ☐ No ☐	5. Originating Site SKelly
2. Management Facility Destination SUNDANCE SERVICES INC.	6. Transporter Key
3. Address of Facility Operator P.O. BOX 1737 Eunice NM 88231	8. State NEW MEXICO
7. Location of Material (Street Address or ULSTR) Sec 21	31E 175

9. Circle One:

A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from Generator; one certificate per job.

(B.) All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analys PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardou listing or testing will be approved.

All transporters must certify the wastes delivered are only those consigned for transport.

BRIEF DESCRIPTION OF MATERIAL:

Attached are analytical results for compressor station for Conoco Inc. I have included a chain of custody and certificate of waste status. Sundance would like approval to accept this material into our Parabo Facility.

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

SIGNATURE: Donna Roach (Waste Management Facility Authorized Agent) TITLE: OFFICE MGR DATE: _____

TYPE OR PRINT NAME: DONNA L. ROACH TELEPHONE NO. 505-394-2511

(This space for State Use)

APPROVED BY: _____ TITLE: Environmental Eng DATE: 3-1-02

APPROVED BY: _____ TITLE: Environmental Geologist DATE: 3-6-02

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

COMPANY /GENERATOR CONOCO INC. (CG&P)

ADDRESS 921 W.SANGER HOBBS,NM 88240

GENERATING SITE Skelly

GENERATING PROCESS ENGINE /COMPRESSOR OPERATION

REMARKS

NMOCD FACILITY SUNDANCE SERVICES INC.

TRUCKING COMPANY HUGHES TRKING / STEVE CARTER TRKING/ KEY SERVICES

As a condition of acceptance for disposal, I hereby certify that his waste is a non-exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory determinations. 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 Mark Bishop
SIGNATURE

NAME MARK BISHOP
PRINTED

ADDRESS 921 W. SANGER

HOBBS, NM 88240

DATE 2-14-02

Chain of Custody Record

SEVERN TRENT SERVICES

Severn Trent Laboratories, Inc.

4.3 °C D.S.
4.7 °C 2/5/02 52549

STL4149 (0700)

Client: Maxim	Project Manager: Dan Erskine	Date: 2/4/02	Page 1 of 1
Address: 10601 Lomas NE	Telephone Number (Area Code)/Fax Number: 505-237-8440	Lab Location:	Analysis
City: Albuquerque; State: NM; Zip Code: 87112	Site Contact: Dan Erskine		
Project Number/Name: Conoco Oily Waste	Carrier/Waybill Number:		
Contract/Purchase Order/Quote Number:			

Sample I.D. Number and Description	Date	Time	Sample Type	Containers: Volume	Containers: Type	Containers: No.	Preservative	Condition on Receipt/Comments
~~Eisq~~	2/4/02	1548		16 oz		3	Cold	TCLP VOA
				8 oz		1		TCLP SVOA
Cabin Lake		1318		16 oz		3		TCLP metals
Livingstone Ridge		1500		16 oz		3		Reactive Cyanide
Malaga		1610		16 oz		3		Reactive Sulfide
~~Hat Mesa~~		1224		16 oz		3		Ignitability
~~Lee~~		930		16 oz		3		per Client request for 2/6/02
~~Turkey Trac~~				8 oz		2		
Turkey Track		1109		16 oz		3		
Skelly		1040		16 oz		3		
Maljamar		1015		16 oz		3		

Special Instructions

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

Sample Disposal: ☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 3 months)

Turn Around Time Required: ☒ Normal ☐ Rush ☐ Other _____

QC Level: ☐ I. ☐ II. ☐ III.

Project Specific Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: Daniel W. Erskine	2/4/02	1705	1. Received By: Brown	2/5/02	0815
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

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

CONOCO INC.

Client Sample ID: SKELLY

TCLP GC/MS Volatiles

Lot-Sample #...: D2B050234-007	**Work Order #...:** ETN6W1AG	**Matrix.....:** WATER	
Date Sampled...: 02/04/02 10:40	**Date Received..:** 02/05/02		
Leach Date.....: 02/06/02	**Prep Date.....:** 02/06/02	**Analysis Date..:** 02/06/02	
Leach Batch #..: P203708	**Prep Batch #...:** 2038429	**Analysis Time..:** 21:45	
Dilution Factor: 1			
	Method.....: SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	ND	0.010	mg/L
2-Butanone	**0.040 J**	**0.050**	**mg/L**
Carbon tetrachloride	ND	0.010	mg/L
Chlorobenzene	ND	0.010	mg/L
Chloroform	ND	0.010	mg/L
1,2-Dichloroethane	ND	0.010	mg/L
1,1-Dichloroethene	ND	0.010	mg/L
Tetrachloroethene	ND	0.010	mg/L
Trichloroethene	ND	0.010	mg/L
Vinyl chloride	ND	0.020	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	36 *	(80 - 120)
1,2-Dichloroethane-d4	99	(72 - 127)
4-Bromofluorobenzene	95	(79 - 119)
Toluene-d8	103	(79 - 119)

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

* Surrogate recovery is outside stated control limits.

J Estimated result. Result is less than RL.

CONOCO INC.

Client Sample ID: SKELLY

TCLP GC/MS Semivolatiles

Lot Sample #...: D2B050234-007 **Work Order #...:** ETN6W1AF **Matrix.....:** WATER
Date Sampled...: 02/04/02 10:40 **Date Received..:** 02/05/02
Leach Date.....: 02/06/02 **Prep Date.....:** 02/06/02 **Analysis Date..:** 02/08/02
Leach Batch #..: P203706 **Prep Batch #...:** 2037405 **Analysis Time..:** 19:39
Dilution Factor: 1

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
1,4 Dichlorobenzene	ND	0.10	mg/L
2,4-Dinitrotoluene	ND	0.10	mg/L
Hexachlorobenzene	ND	0.10	mg/L
Hexachlorobutadiene	ND	0.10	mg/L
Hexachloroethane	ND	0.10	mg/L
2-Methylphenol	ND	0.10	mg/L
Nitrobenzene	ND	0.10	mg/L
Pentachlorophenol	ND	0.50	mg/L
Pyridine	ND	0.20	mg/L
2,4,5-Trichloro-phenol	ND	0.10	mg/L
2,4,6-Trichloro-phenol	ND	0.10	mg/L
3 Methylphenol & 4 Methylphenol	ND	0.10	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	0.0 *	(38 - 91)
Phenol-d5	0.0 *	(37 - 94)
Nitrobenzene-d5	39 *	(41 - 107)
2-Fluorobiphenyl	36	(33 - 99)
2,4,6-Tribromophenol	3.0 *	(40 - 110)
Terphenyl-d14	37 *	(47 - 107)

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

* Surrogate recovery is outside stated control limits.

CONOCO INC.

Client Sample ID: SKELLY

TCLP GC/MS Semivolatiles

Lot-Sample #...: D2B050234-007 **Work Order #...:** ETN6W2AF **Matrix.....:** WATER
Date Sampled...: 02/04/02 10:40 **Date Received..:** 02/05/02
Leach Date.....: 02/06/02 **Prep Date.....:** 02/13/02 **Analysis Date..:** 02/14/02
Leach Batch #..: P203706 **Prep Batch #...:** 2044219 **Analysis Time..:** 20:02
Dilution Factor: 1
Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
1,4-Dichlorobenzene	ND	0.10	mg/L
2,4 Dinitrotoluene	ND	0.10	mg/L
Hexachlorobenzene	ND	0.10	mg/L
Hexachlorobutadiene	ND	0.10	mg/L
Hexachloroethane	ND	0.10	mg/L
2-Methylphenol	ND	0.10	mg/L
Nitrobenzene	ND	0.10	mg/L
Pentachlorophenol	ND	0.50	mg/L
Pyridine	ND	0.20	mg/L
2,4,5-Trichloro-phenol	ND	0.10	mg/L
2,4,6-Trichloro-phenol	ND	0.10	mg/L
3-Methylphenol & 4-Methylphenol	ND	0.10	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	7.6 *	(38 - 91)
Phenol-d5	9.0 *	(37 - 94)
Nitrobenzene-d5	70	(41 - 107)
2-Fluorobiphenyl	72	(33 - 99)
2,4,6 Tribromophenol	17 *	(40 - 110)
Terphenyl-d14	73	(47 - 107)

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

* Surrogate recovery is outside stated control limits.

CONOCO INC.

Client Sample ID: SKELLY

TCLP Metals

Lot-Sample #...: D2B050234-007 **Matrix.....:** WATER
Date Sampled...: 02/04/02 10:40 **Date Received..:** 02/05/02
Leach Date.....: 02/06/02 **Leach Batch #..:** P203706

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 2037451						
Mercury	ND	0.0020	mg/L	SW846 7470A	02/08/02	ETN6W1AQ
		Dilution Factor: 1		Analysis Time..: 21:27		
Prep Batch #...: 2038154						
Silver	ND	0.10	mg/L	SW846 6010B	02/07-02/08/02	ETN6W1AH
		Dilution Factor: 1		Analysis Time..: 19:24		
Arsenic	0.20	0.10	mg/L	SW846 6010B	02/07-02/08/02	ETN6W1AJ
		Dilution Factor: 1		Analysis Time..: 19:24		
Barium	0.013 B	0.10	mg/L	SW846 6010B	02/07-02/08/02	ETN6W1AK
		Dilution Factor: 1		Analysis Time..: 19:24		
Cadmium	0.13	0.050	mg/L	SW846 6010B	02/07-02/08/02	ETN6W1AL
		Dilution Factor: 1		Analysis Time..: 19:24		
Chromium	0.013 B	0.10	mg/L	SW846 6010B	02/07-02/08/02	ETN6W1AM
		Dilution Factor: 1		Analysis Time..: 19:24		
Lead	0.059	0.030	mg/L	SW846 6010B	02/07-02/08/02	ETN6W1AN
		Dilution Factor: 1		Analysis Time..: 19:24		
Selenium	0.85	0.050	mg/L	SW846 6010B	02/07-02/08/02	ETN6W1AP
		Dilution Factor: 1		Analysis Time..: 19:24		

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

B - Estimated result. Result is less than RL.

CONOCO INC.

Client Sample ID: SKELLY

General Chemistry

Lot-Sample #...: D2B050234-007 Work Order #...: ETN6W Matrix.....: WATER
Date Sampled...: 02/04/02 10:40 Date Received..: 02/05/02

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH	8.0	0.10	No Units	MCAWW 150.1	02/06/02	2037505
		Dilution Factor: 1		Analysis Time..: 21:15		
Flashpoint	>160	--	deg F	SW846 1010	02/12/02	2044381
		Dilution Factor: 1		Analysis Time..: 12:00		
Reactive Cyanide	ND	1.0	mg/L	SW846 7.3.3	02/07-02/08/02	2039336
		Dilution Factor: 1		Analysis Time..: 10:00		
Reactive Sulfide	ND	50.0	mg/L	SW846 7.3.4	02/07/02	2038272
		Dilution Factor: 1		Analysis Time..: 12:00		

District II · (505) 748-1283
811 S. First
Artesia, NM 88210
District III · (505) 334-6178
1000 Rio Brazos Road
Aztec, NM 87410
District IV · (505) 827-7131

Energy Minerals and Natural Resources Department
Oil Conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

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Environmental Bureau
Oil Conservation Division

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REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☒	4. Generator Conoco Inc.
Verbal Approval Received: Yes ☐ No ☐	5. Originating Site Hat Mesa
2. Management Facility Destination SUNDANCE SERVICES INC.	6. Transporter Key
3. Address of Facility Operator P.O. BOX 1737 Eunice NM 88231	8. State NEW MEXICO
7. Location of Material (Street Address or ULSTR) Sec 11	32E 21S

9. Circle One:

A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from Generator; one certificate per job.

(B.) All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysi PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardou listing or testing will be approved.

All transporters must certify the wastes delivered are only those consigned for transport.

BRIEF DESCRIPTION OF MATERIAL:

Attached are analytical results for compressor station for Conoco Inc. I have included a chain of custody and certificate of waste status. Sundance would like approval to accept this material into our Parabo Facility.

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

SIGNATURE: Donna Roach Waste Management Facility Authorized Agent TITLE: OFFICE MGR DATE: _____

TYPE OR PRINT NAME: DONNA L. ROACH TELEPHONE NO. 505-394-2511

(This space for State Use)

APPROVED BY: _____ TITLE: Environmental Engr DATE: 3-1-02

APPROVED BY: _____ TITLE: Environmental Geologist DATE: 3-6-02

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

COMPANY /GENERATOR CONOCO INC. (CG&P)

ADDRESS 921 W.SANGER HOBBS,NM 88240

GENERATING SITE Hat MESA

GENERATING PROCESS ENGINE /COMPRESSOR OPERATION

REMARKS

NMOCD FACILITY SUNDANCE SERVICES INC.

TRUCKING COMPANY HUGHES TRKING / STEVE CARTER TRKING/ KEY SERVICES

As a condition of acceptance for disposal, I hereby certify that his waste is a non-exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory determinations. 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 Mark Bishop
SIGNATURE

NAME MARK BISHOP
PRINTED

ADDRESS 921 W. SANGER

HOBBS, NM 88240

DATE 2-14-02

Chain of Custody Record

SEVERN TRENT SERVICES

Severn Trent Laboratories, Inc.

4.3 °C D.S.
4.7 °C 2/5/02

52549

STL4149 (0700)

Client	Project Manager	Date	Page / of
Maxim	Dan Erskine	2/4/02	1 of 1
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Location**	**Analysis**
10601 Lomas NE	505-237-8440		
City / **State** / **Zip Code**	**Site Contact**		
Albuquerque / NM / 87112	Dan Erskine		
Project Number/Name	**Carrier/Waybill Number**		
Conoco Oily Waste			
Contract/Purchase Order/Quote Number			

Sample I.D. Number and Description	Date	Time	Sample Type	Containers: Volume	Containers: Type	Containers: No.	Preservative	Condition on Receipt/Comments
~~Eiq~~	2/4/02	1540		16 oz		3	Cold	TCLP VOA
				8 oz		1		TCLP SVOA
Cabin Lake		1318		16 oz		3		TCLP metals
Livingstone Ridge		1500		16 oz		3		Reactive Cyanide
Malaga		1610		16 oz		3		Reactive Sulfide
~~Hat Mesa~~		1224		16 oz		3		Ignitability
Lee		930		16 oz		3		per Client request for 2/6/02
~~Turkey Trac~~				8 oz		2		
Turkey Track		1109		16 oz		3		
Skelly		1040		16 oz		3		
Maljamar		1015		16 oz		3		

Special Instructions

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

Sample Disposal
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months
(A fee may be assessed if samples are retained longer than 3 months)

Turn Around Time Required
☐ Normal ☐ Rush ☐ Other _____

QC Level
☐ I. ☐ II. ☐ III.

Project Specific Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: Daniel W. Erskine	2/4/02	1705	1. Received By: Brown	2/5/02	0815
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

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

CONOCO INC.

Client Sample ID: HAT MEGA

TCLP GC/MS Volatiles

Lot-Sample #...: D2B050234-005	Work Order #...: ETN6T1AG	Matrix.....: WATER
Date Sampled...: 02/04/02 12:24	Date Received..: 02/05/02	
Leach Date.....: 02/06/02	Prep Date.....: 02/06/02	Analysis Date..: 02/06/02
Leach Batch #..: P203708	Prep Batch #...: 2038429	Analysis Time..: 20:53
Dilution Factor: 1		
	Method.....: SW846 8260B	

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	ND	0.010	mg/L
2-Butanone	0.21	0.050	mg/L
Carbon tetrachloride	ND	0.010	mg/L
Chlorobenzene	ND	0.010	mg/L
Chloroform	ND	0.010	mg/L
1,2-Dichloroethane	ND	0.010	mg/L
1,1-Dichloroethene	ND	0.010	mg/L
Tetrachloroethene	ND	0.010	mg/L
Trichloroethene	ND	0.010	mg/L
Vinyl chloride	ND	0.020	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	82	(80 - 120)
1,2 Dichloroethane-d4	107	(72 - 127)
4-Bromofluorobenzene	105	(79 - 119)
Toluene d8	96	(79 - 119)

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

CONOCO INC.

Client Sample ID: HAT MEGA

TCLP GC/MS Semivolatiles

Lot-Sample #...: D2B050234-005	**Work Order #...:** ETN6T1AF	**Matrix.....:** WATER	
Date Sampled...: 02/04/02 12:24	**Date Received..:** 02/05/02		
Leach Date.....: 02/06/02	**Prep Date.....:** 02/06/02	**Analysis Date..:** 02/08/02	
Leach Batch #..: P203706	**Prep Batch #...:** 2037405	**Analysis Time..:** 19:18	
Dilution Factor: 1			
	Method.....: SW846 8270C		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
1,4-Dichlorobenzene	ND	0.10	mg/L
2,4-Dinitrotoluene	ND	0.10	mg/L
Hexachlorobenzene	ND	0.10	mg/L
Hexachlorobutadiene	ND	0.10	mg/L
Hexachloroethane	ND	0.10	mg/L
2-Methylphenol	ND	0.10	mg/L
Nitrobenzene	ND	0.10	mg/L
Pentachlorophenol	ND	0.50	mg/L
Pyridine	ND	0.20	mg/L
2,4,5-Trichloro-phenol	ND	0.10	mg/L
2,4,6-Trichloro-phenol	ND	0.10	mg/L
3-Methylphenol & 4-Methylphenol	ND	0.10	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	71	(38 - 91)
Phenol-d5	79	(37 - 94)
Nitrobenzene-d5	76	(41 - 107)
2-Fluorobiphenyl	72	(33 - 99)
2,4,6-Tribromophenol	83	(40 - 110)
Terphenyl-d14	71	(47 - 107)

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

CONOCO INC.

Client Sample ID: HAT MEGA

TCLP Metals

Lot-Sample #...: D2B050234-005 **Matrix.....:** WATER
Date Sampled...: 02/04/02 12:24 **Date Received..:** 02/05/02
Leach Date.....: 02/06/02 **Leach Batch #..:** P203706

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 2037451						
Mercury	ND	0.0020	mg/L	SW846 7470A	02/08/02	ETN6T1AQ
		Dilution Factor: 1		Analysis Time..: 21:25		
Prep Batch #...: 2038154						
Silver	ND	0.10	mg/L	SW846 6010B	02/07-02/08/02	ETN6T1AH
		Dilution Factor: 1		Analysis Time..: 19:19		
Arsenic	ND	0.10	mg/L	SW846 6010B	02/07-02/08/02	ETN6T1AJ
		Dilution Factor: 1		Analysis Time..: 19:19		
Barium	0.060 B	0.10	mg/L	SW846 6010B	02/07-02/08/02	ETN6T1AK
		Dilution Factor: 1		Analysis Time..: 19:19		
Cadmium	0.00081 B	0.050	mg/L	SW846 6010B	02/07-02/08/02	ETN6T1AL
		Dilution Factor: 1		Analysis Time..: 19:19		
Chromium	0.0017 B	0.10	mg/L	SW846 6010B	02/07-02/08/02	ETN6T1AM
		Dilution Factor: 1		Analysis Time..: 19:19		
Lead	0.0015 B	0.030	mg/L	SW846 6010B	02/07-02/08/02	ETN6T1AN
		Dilution Factor: 1		Analysis Time..: 19:19		
Selenium	0.0071 B	0.050	mg/L	SW846 6010B	02/07-02/08/02	ETN6T1AP
		Dilution Factor: 1		Analysis Time..: 19:19		

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

B Estimated result. Result is less than RL.

CONOCO INC.

Client Sample ID: HAT MEGA

General Chemistry

Lot-Sample #...: D2B050234-005 **Work Order #...:** ETN6T **Matrix.....:** WATER
Date Sampled...: 02/04/02 12:24 **Date Received..:** 02/05/02

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH	7.1	0.10	No Units	MCAWW 150.1	02/06/02	2037505
		Dilution Factor: 1		Analysis Time..: 21:15		
Flashpoint	>160	--	deg F	SW846 1010	02/12/02	2044381
		Dilution Factor: 1		Analysis Time..: 12:00		
Reactive Cyanide	ND	1.0	mg/L	SW846 7.3.3	02/07-02/08/02	2039336
		Dilution Factor: 1		Analysis Time..: 10:00		
Reactive Sulfide	0.80 B,J	50.0	mg/L	SW846 7.3.4	02/07/02	2038272
		Dilution Factor: 1		Analysis Time..: 12:00		

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

District II - (505) 748-1283
811 S. First
Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Road
Aztec, NM 87410
District IV - (505) 827-7131

Energy Minerals and Natural Resources Department
Oil Conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

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Environmental Bureau
Oil Conservation Division

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REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☒	4. Generator Conoco Inc.
Verbal Approval Received: Yes ☐ No ☐	5. Originating Site Malaga
2. Management Facility Destination SUNDANCE SERVICES INC.	6. Transporter Key
3. Address of Facility Operator P.O. BOX 1737 Eunice NM 88231	8. State NEW MEXICO
7. Location of Material (Street Address or ULSTR) Sec. 3	28E 24S

9. Circle One:

A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from Generator; one certificate per job.

(B.) All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analys PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardou listing or testing will be approved.

All transporters must certify the wastes delivered are only those consigned for transport.

BRIEF DESCRIPTION OF MATERIAL:

Attached are analytical results for compressor station for Conoco Inc. I have included a chain of custody and certificate of waste status. Sundance would like approval to accept this material into our Parabo Facility.

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

SIGNATURE: Donna Roach (Waste Management Facility Authorized Agent) TITLE: OFFICE MGR DATE: _____

TYPE OR PRINT NAME: DONNA L. ROACH TELEPHONE NO. 505-394-2511

(This space for State Use)

APPROVED BY: Mark Ashley TITLE: Environmental Engr DATE: 3-11-02

APPROVED BY: Martyn J. Kelly TITLE: Environmental Geologist DATE: 3-6-02

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

COMPANY /GENERATOR CONOCO INC. (CG&P)

ADDRESS 921 W.SANGER HOBBS,NM 88240

GENERATING SITE ~~Malaga~~

GENERATING PROCESS ENGINE /COMPRESSOR OPERATION

REMARKS

NMOCD FACILITY SUNDANCE SERVICES INC.

TRUCKING COMPANY HUGHES TRKING / STEVE CARTER TRKING/ KEY SERVICES

As a condition of acceptance for disposal, I hereby certify that his waste is a non-exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory determinations. 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 Mark Bishop
SIGNATURE

NAME MARK BISHOP
PRINTED

ADDRESS 921 W. SANGER

HOBBS, NM 88240

DATE 2-14-02

Chain of Custody Record

SEVERN TRENT SERVICES

Severn Trent Laboratories, Inc.

4.3 °C D.S.
4.7 2/5/02 52549

STL4149 (0700)

Client: Maxim	Project Manager: Dan Erskine	Date: 2/4/02	Page 1 of 1
Address: 10601 Lomas NE	Telephone Number (Area Code)/Fax Number: 505-237-8440	Lab Location:	Analysis
City: Albuquerque / State: NM / Zip Code: 87112	Site Contact: Dan Erskine		
Project Number/Name: Conoco Oily Waste	Carrier/Waybill Number:		
Contract/Purchase Order/Quote Number:			

Sample I.D. Number and Description	Date	Time	Sample Type	Containers: Volume	Containers: Type	Containers: No.	Preservative	Condition on Receipt/Comments
Eisa	2/4/02	1540		16 oz		3	Cold	
				8 oz		1		TCLP VOA
Cabin Lake		1318		16 oz		3		TCLP SVOA
Livingstone Ridge		1500		16 oz		3		TCLP metals
Malaga		1610		16 oz		3		Reactive Cyanide
Hat Mesa		1224		16 oz		3		Reactive Sulfide
Lee		930		16 oz		3		Ignitability
Turkey Trac				8 oz		2		per Client request for 2/6/02
Turkey Track		1109		16 oz		3		
Skelly		1040		16 oz		3		
Maljamar		1015		16 oz		3		

Special Instructions

Possible Hazard Identification: [X] Non-Hazard [ ] Flammable [ ] Skin Irritant [ ] Poison B [ ] Unknown

Sample Disposal: [ ] Return To Client [X] Disposal By Lab [ ] Archive For _____ Months (A fee may be assessed if samples are retained longer than 3 months)

Turn Around Time Required: [X] Normal [ ] Rush [ ] Other _____

QC Level: [ ] I. [ ] II. [ ] III.

Project Specific Requirements (Specify):

	Date	Time		Date	Time
1. Relinquished By: Daniel W. Erskine	2/4/02	1705	1. Received By: Brown	2/5/02	0815
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

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

CONOCO INC.

Client Sample ID: MALAGA

TCLP GC/MS Volatiles

Lot-Sample #...:	D2B050234-003	Work Order #...:	ETN6N1AG	Matrix.....:	WATER
Date Sampled...:	02/04/02 16:10	Date Received..:	02/05/02		
Leach Date.....:	02/06/02	Prep Date.....:	02/06/02	Analysis Date..:	02/06/02
Leach Batch #..:	P203708	Prep Batch #...:	2038429	Analysis Time..:	20:27
Dilution Factor:	1				
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	ND	0.010	mg/L
2-Butanone	1.1	0.050	mg/L
Carbon tetrachloride	ND	0.010	mg/L
Chlorobenzene	ND	0.010	mg/L
Chloroform	ND	0.010	mg/L
1,2-Dichloroethane	ND	0.010	mg/L
1,1-Dichloroethene	ND	0.010	mg/L
Tetrachloroethene	ND	0.010	mg/L
Trichloroethene	ND	0.010	mg/L
Vinyl chloride	ND	0.020	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	89	(80 - 120)
1,2-Dichloroethane-d4	102	(72 - 127)
4-Bromofluorobenzene	88	(79 - 119)
Toluene-d8	102	(79 - 119)

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

CONOCO INC.

Client Sample ID: MALAGA

GC/MS Semivolatiles

Lot-Sample #...: D2B050234-003 **Work Order #...:** ETN6N2AF **Matrix.....:** WATER
Date Sampled...: 02/04/02 16:10 **Date Received..:** 02/05/02
Prep Date.....: 02/14/02 **Analysis Date..:** 02/18/02
Prep Batch #...: 2045213 **Analysis Time..:** 14:54
Dilution Factor: 1

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
1,4-Dichlorobenzene	ND	0.10	mg/L
2,4-Dinitrotoluene	ND	0.10	mg/L
Hexachlorobenzene	ND	0.10	mg/L
Hexachlorobutadiene	ND	0.10	mg/L
Hexachloroethane	ND	0.10	mg/L
2-Methylphenol	ND	0.10	mg/L
Nitrobenzene	ND	0.10	mg/L
Pentachlorophenol	ND	0.50	mg/L
Pyridine	ND	0.20	mg/L
2,4,5-Trichlorophenol	ND	0.10	mg/L
2,4,6-Trichlorophenol	ND	0.10	mg/L
3-Methylphenol & 4-Methylphenol	ND	0.10	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	0.0 *	(38 - 91)
Phenol-d5	6.5 *	(37 - 94)
Nitrobenzene-d5	82	(41 - 107)
2-Fluorobiphenyl	84	(33 - 99)
2,4,6 Tribromophenol	0.0 *	(40 - 110)
Terphenyl-d14	77	(47 - 107)

NOTE(S):

* Surrogate recovery is outside stated control limits.

CONOCO INC.

Client Sample ID: MALAGA

TCLP GC/MS Semivolatiles

Lot-Sample #...:	D2B050234-003	Work Order #...:	ETN6N1AF	Matrix.....:	WATER
Date Sampled...:	02/04/02 16:10	Date Received..:	02/05/02		
Leach Date.....:	02/06/02	Prep Date.....:	02/06/02	Analysis Date..:	02/08/02
Leach Batch #..:	P203706	Prep Batch #...:	2037405	Analysis Time..:	18:56
Dilution Factor:	1				
		Method.....:	SW846 8270C		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
1,4-Dichlorobenzene	ND	0.10	mg/L
2,4-Dinitrotoluene	ND	0.10	mg/L
Hexachlorobenzene	ND	0.10	mg/L
Hexachlorobutadiene	ND	0.10	mg/L
Hexachloroethane	ND	0.10	mg/L
2-Methylphenol	ND	0.10	mg/L
Nitrobenzene	ND	0.10	mg/L
Pentachlorophenol	ND	0.50	mg/L
Pyridine	ND	0.20	mg/L
2,4,5-Trichlorophenol	ND	0.10	mg/L
2,4,6-Trichlorophenol	ND	0.10	mg/L
3-Methylphenol & 4-Methylphenol	ND	0.10	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	0.0 *	(38 - 91)
Phenol-d5	0.0 *	(37 - 94)
Nitrobenzene-d5	78	(41 - 107)
2-Fluorobiphenyl	73	(33 - 99)
2,4,6-Tribromophenol	0.0 *	(40 - 110)
Terphenyl-d14	70	(47 - 107)

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

* Surrogate recovery is outside stated control limits.

CONOCO INC.

Client Sample ID: MALAGA

TCLP Metals

Lot-Sample #...: D2B050234-003 Matrix.....: WATER
Date Sampled...: 02/04/02 16:10 Date Received..: 02/05/02
Leach Date.....: 02/06/02 Leach Batch #..: P203706

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 2037451						
Mercury	ND	0.0020	mg/L	SW846 7470A	02/08/02	ETN6N1AQ
		Dilution Factor: 1		Analysis Time..: 21:23		
Prep Batch #...: 2038154						
Silver	ND	0.10	mg/L	SW846 6010B	02/07-02/08/02	ETN6N1AH
		Dilution Factor: 1		Analysis Time..: 19:13		
Arsenic	ND G	0.29	mg/L	SW846 6010B	02/07-02/08/02	ETN6N1AJ
		Dilution Factor: 1		Analysis Time..: 19:13		
Barium	0.0046 B	0.10	mg/L	SW846 6010B	02/07-02/08/02	ETN6N1AK
		Dilution Factor: 1		Analysis Time..: 19:13		
Cadmium	0.11	0.050	mg/L	SW846 6010B	02/07-02/08/02	ETN6N1AL
		Dilution Factor: 1		Analysis Time..: 19:13		
Chromium	0.0072 B	0.10	mg/L	SW846 6010B	02/07-02/08/02	ETN6N1AM
		Dilution Factor: 1		Analysis Time..: 19:13		
Lead	0.068	0.030	mg/L	SW846 6010B	02/07-02/08/02	ETN6N1AN
		Dilution Factor: 1		Analysis Time..: 19:13		
Selenium	0.48	0.050	mg/L	SW846 6010B	02/07-02/08/02	ETN6N1AP
		Dilution Factor: 1		Analysis Time..: 19:13		

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

G Elevated reporting limit. The reporting limit is elevated due to matrix interference.

B Estimated result. Result is less than RL.

CONOCO INC.

Client Sample ID: MALAGA

General Chemistry

Lot Sample #...: D2B050234-003 Work Order #...: ETN6N Matrix.....: WATER
Date Sampled...: 02/04/02 16:10 Date Received..: 02/05/02

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH	7.8	0.10	No Units	MCAWW 150.1	02/06/02	2037505
		Dilution Factor: 1		Analysis Time..: 21:15		
Flashpoint	>160	--	deg F	SW846 1010	02/12/02	2044381
		Dilution Factor: 1		Analysis Time..: 12:00		
Reactive Cyanide	ND	1.0	mg/L	SW846 7.3.3	02/07-02/08/02	2039336
		Dilution Factor: 1		Analysis Time..: 10:00		
Reactive Sulfide	4.0 B,J	50.0	mg/L	SW846 7.3.4	02/07/02	2038272
		Dilution Factor: 1		Analysis Time..: 12:00		

NOTE(S):

R: Reporting Limit

B: Estimated result. Result is less than RL.

J: Method blank contamination. The associated method blank contains the target analyte at a reportable level.

CONOCO INC.

Client Sample ID: MALAGA

TCLP GC/MS Volatiles

Lot-Sample #...: D2B050234-004	Work Order #...: ETN6Q1AA	Matrix.....: SOLID	
Date Sampled...: 02/04/02 16:10	Date Received..: 02/05/02		
Leach Date.....: 02/06/02	Prep Date.....: 02/08/02	Analysis Date..: 02/08/02	
Leach Batch #..: P203709	Prep Batch #...: 2042450	Analysis Time..: 13:30	
Dilution Factor: 200			
	Method.....: SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	ND	2.0	mg/L
2-Butanone	ND	10	mg/L
Carbon tetrachloride	ND	2.0	mg/L
Chlorobenzene	ND	2.0	mg/L
Chloroform	ND	2.0	mg/L
1,2-Dichloroethane	ND	2.0	mg/L
1,1-Dichloroethene	ND	2.0	mg/L
Tetrachloroethene	ND	2.0	mg/L
Trichloroethene	ND	2.0	mg/L
Vinyl chloride	ND	2.0	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	91	(80 - 120)
1,2-Dichloroethane-d4	87	(76 - 122)
4-Bromofluorobenzene	98	(79 - 119)
Toluene-d8	104	(79 - 119)

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

CONOCO INC.

Client Sample ID: MALAGA

TCLP GC/MS Semivolatiles

Lot-Sample #...: D2B050234-004 **Work Order #...:** ETN6Q1AC **Matrix.....:** SOLID
Date Sampled...: 02/04/02 16:10 **Date Received..:** 02/05/02
Leach Date.....: 02/06/02 **Prep Date.....:** 02/06/02 **Analysis Date..:** 02/07/02
Leach Batch #..: P203707 **Prep Batch #...:** 2037326 **Analysis Time..:** 03:22
Dilution Factor: 1

Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
1,4-Dichlorobenzene	ND	99	mg/L
2,4-Dinitrotoluene	ND	99	mg/L
Hexachlorobenzene	ND	99	mg/L
Hexachlorobutadiene	ND	99	mg/L
Hexachloroethane	ND	99	mg/L
2-Methylphenol	ND	99	mg/L
Nitrobenzene	ND	99	mg/L
Pentachlorophenol	ND	480	mg/L
Pyridine	ND	200	mg/L
2,4,5-Trichloro-phenol	ND	99	mg/L
2,4,6-Trichloro-phenol	ND	99	mg/L
3-Methylphenol & 4-Methylphenol	ND	99	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	117 *	(38 - 91)
Phenol-d5	111 *	(37 - 94)
Nitrobenzene-d5	115 *	(41 - 107)
2-Fluorobiphenyl	127 *	(33 - 99)
2,4,6-Tribromophenol	100	(40 - 110)
Terphenyl-d14	72	(47 - 107)

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

* Surrogate recovery is outside stated control limits.

CONOCO INC.

Client Sample ID: MALAGA

TOTAL Metals

Lot-Sample #...: D2B050234-004 Matrix.....: SOLID
Date Sampled...: 02/04/02 16:10 Date Received..: 02/05/02

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 2038282						
Silver	ND	1.0	mg/kg	SW846 6010B	02/11-02/12/02	ETN6Q1AH
		Dilution Factor: 1		Analysis Time..: 16:16		
Arsenic	0.51 B	1.0	mg/kg	SW846 6010B	02/11-02/12/02	ETN6Q1AJ
		Dilution Factor: 1		Analysis Time..: 16:16		
Barium	3.5	1.0	mg/kg	SW846 6010B	02/11-02/12/02	ETN6Q1AK
		Dilution Factor: 1		Analysis Time..: 16:16		
Cadmium	1.2	0.50	mg/kg	SW846 6010B	02/11-02/12/02	ETN6Q1AL
		Dilution Factor: 1		Analysis Time..: 16:16		
Chromium	0.69 B,J	1.0	mg/kg	SW846 6010B	02/11-02/12/02	ETN6Q1AM
		Dilution Factor: 1		Analysis Time..: 16:16		
Lead	2.7	0.80	mg/kg	SW846 6010B	02/11-02/12/02	ETN6Q1AN
		Dilution Factor: 1		Analysis Time..: 16:16		
Selenium	0.68 B,J	1.3	mg/kg	SW846 6010B	02/11-02/12/02	ETN6Q1AP
		Dilution Factor: 1		Analysis Time..: 16:16		
Prep Batch #...: 2042275						
Mercury	ND	0.33	mg/kg	SW846 7471A	02/13/02	ETN6Q1AQ
		Dilution Factor: 10		Analysis Time..: 17:29		

NOTE(S):

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

CONOCO INC.

Client Sample ID: MALAGA

General Chemistry

Lot Sample #...: D2B050234-004 Work Order #...: ETN6Q Matrix.....: SOLID
Date Sampled...: 02/04/02 16:10 Date Received..: 02/05/02

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH	9.0	0.10	No Units	SW846 9045C	02/07-02/08/02	2038269
		Dilution Factor: 1		Analysis Time..: 12:00		
Ignitability	NO	--	deg F	SW846 SECTION 7.1	02/12/02	2044383
		Dilution Factor: 1		Analysis Time..: 12:00		
Reactive Cyanide	ND	1.0	mg/kg	SW846 7.3.3	02/13-02/14/02	2045476
		Dilution Factor: 1		Analysis Time..: 12:00		
Reactive Sulfide	2.4 B	50.0	mg/kg	SW846 7.3.4	02/12/02	2046239
		Dilution Factor: 1		Analysis Time..: 12:00		

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

Hobbs, NM 88241-1980
District II - (505) 748-1283
811 S. First
Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Road
Aztec, NM 87410
District IV - (505) 827-7131

Energy Minerals and Natural Resources Department
Oil Conservation Division

2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

RECEIVED
FEB 25 2002
Environmental Bureau
Oil Conservation Division

Originated

Submit
Plus
to app
Distric

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☒	4. Generator Conoco Inc.
Verbal Approval Received: Yes ☐ No ☐	5. Originating Site Calmon Lube
2. Management Facility Destination SUNDANCE SERVICES INC.	6. Transporter Key
3. Address of Facility Operator P.O. BOX 1737 Eunice NM 88231	8. State NEW MEXICO
7. Location of Material (Street Address or ULSTR) Sec 35	31E 23S

9. Circle One:

A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from Generator; one certificate per job.

(B.) All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous listing or testing will be approved.

All transporters must certify the wastes delivered are only those consigned for transport.

BRIEF DESCRIPTION OF MATERIAL:

Attached are analytical results for compressor station for Conoco Inc. I have included a chain of custody and certificate of waste status. Sundance would like approval to accept this material into our Parabo Facility.

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

SIGNATURE: Donna Roach Waste Management Facility Authorized Agent TITLE: OFFICE MGR DATE: _____

TYPE OR PRINT NAME: DONNA L. ROACH TELEPHONE NO. 505-394-2511

(This space for State Use)

APPROVED BY: _____ TITLE: _____ DATE: _____

DENIED

APPROVED BY: _____ TITLE: _____ DATE: _____

1025492-1

Chain of Custody Record

North Carlsbad IIK120105 Rush
Others IIK120125

SEVERN TRENT SERVICES

Severn Trent Laboratories, Inc.

58632

STL4149 (0700)

Client: Maxim	Project Manager: Dan Erskine	Date: 11/9/01	Page 1 of 1
Address: 10601 Lomas NE	Telephone Number (Area Code)/Fax Number: 505-237-8440	Lab Location	Analysis
City: Albuquerque	State: NM	Zip Code: 87112	Site Contact	RCRA Haz Waste Determination
Project Number/Name	Carrier/Waybill Number		
Contract/Purchase Order/Quote Number			

Sample I.D. Number and Description	Date	Time	Sample Type	Containers: Volume	Type	No	Preservative	Condition on Receipt/Comments
Hat Mesa	11/8/01	920		1L	glass	2	None	S.7 11-12-01 JT See COC Add
Livingstone Ridge		951				2		
BootLeg Non-Exempt		1022				2		
BootLeg Lube Oil		1028				1		
Antelope Ridge		1150				2		
CVRY		1201				2		
Cal-Mon Lube Oil		1340				2		
Cal-Mon Washwater		1359				2		
Cotton Draw		1420				2		
State Line		1450				2		Rec'd 2x1L and 1x250 jars
Cabin Lake		1515				2		2x1L and 1x250 jars
North Carlsbad		1530				2		2x1L and 1x250 jars

Special Instructions

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

Sample Disposal: ☐ Return To Client ☑ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 3 months)

Turn Around Time Required: ☑ Normal ☐ Rush ☐ Other _____

QC Level: ☐ I. ☐ II. ☐ III.

Project Specific Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: Daniel W. Erskine	11/9/01	905	1. Received By	11-12-01	0830
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

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

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

COMPANY /GENERATOR CONOCO INC. (CG&P)

ADDRESS 921 W.SANGER HOBBS,NM 88240

GENERATING SITE Cal-Mon Lube Oil

GENERATING PROCESS ENGINE /COMPRESSOR OPERATION

REMARKS

NMOCD FACILITY SUNDANCE SERVICES INC.

TRUCKING COMPANY HUGHES TRKING / STEVE CARTER TRKING/ KEY SERVICES

As a condition of acceptance for disposal, I hereby certify that his waste is a non-exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory determinations. 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 Mark Bishop
SIGNATURE

NAME MARK BISHOP
PRINTED

ADDRESS 921 W. SANGER

HOBBS, NM 88240

DATE 2-14-02

CONOCO NG & GP

Client Sample ID: CAL-MON LUBE OIL (AQUEOUS PHASE)

TCLP GC/MS Volatiles

Lot-Sample #...: I1K120125-013	**Work Order #...:** ENQV11AA	**Matrix.....:** WATER
Date Sampled...: 11/08/01 13:40	**Date Received..:** 11/12/01	
Leach Date.....: 11/19/01	**Prep Date.....:** 11/26/01	**Analysis Date..:** 11/26/01
Leach Batch #..: P132301	**Prep Batch #...:** 1333355	
Dilution Factor: 5		
	Method.....: SW846 8260B	

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Benzene	ND	0.050	mg/L	0.019
Carbon tetrachloride	ND	0.050	mg/L	0.019
Chlorobenzene	ND	0.050	mg/L	0.021
Chloroform	ND	0.050	mg/L	0.024
1,2-Dichloroethane	ND	0.050	mg/L	0.028
1,1-Dichloroethylene	ND	0.050	mg/L	0.016
Methyl ethyl ketone	**0.48**	**0.20**	**mg/L**	**0.21**
Tetrachloroethylene	ND	0.050	mg/L	0.019
Trichloroethylene	ND	0.050	mg/L	0.018
Vinyl chloride	ND	0.10	mg/L	0.019

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene	131	(74 - 134)
Toluene-d8	121	(85 - 125)
Dibromofluoromethane	119	(69 - 136)
1,2-Dichloroethane-d4	123	(75 - 134)

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

CONOCO NG & GP

Client Sample ID: CAL-MON LUBE OIL (AQUEOUS PHASE)

TCLP GC/MS Semivolatiles

Lot-Sample #...: I1K120125-013 Work Order #...: ENQV11AC Matrix.....: WATER
Date Sampled...: 11/08/01 13:40 Date Received..: 11/12/01
Leach Date.....: 11/16/01 Prep Date.....: 11/23/01 Analysis Date..: 11/29/01
Leach Batch #..: P132009 Prep Batch #...: 1330312
Dilution Factor: 5
Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
o-Cresol	ND	0.25	mg/L	0.073
m-Cresol & p-Cresol	ND	0.50	mg/L	0.082
1,4-Dichlorobenzene	ND	0.25	mg/L	0.042
2,4-Dinitrotoluene	ND	0.25	mg/L	0.0037
Hexachlorobenzene	ND	0.25	mg/L	0.039
Hexachlorobutadiene	ND	0.25	mg/L	0.036
Hexachloroethane	ND	0.25	mg/L	0.037
Nitrobenzene	ND	0.25	mg/L	0.050
Pentachlorophenol	ND	1.2	mg/L	0.15
Pyridine	ND	0.50	mg/L	0.067
2,4,5-Trichloro-phenol	ND	0.25	mg/L	0.052
2,4,6-Trichloro-phenol	ND	0.25	mg/L	0.040

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	88 DIL	(48 - 116)
Phenol-d5	83 DIL	(51 - 122)
Nitrobenzene-d5	92 DIL	(58 - 125)
2-Fluorobiphenyl	104 DIL	(58 - 118)
2,4,6-Tribromophenol	105 DIL	(52 - 137)
Terphenyl-d14	101 DIL	(47 - 142)

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

Elevated reporting limits due to matrix interference.

CONOCO NG & GP

Client Sample ID: CAL-MON LUBE OIL (ORGANIC PHASE)

GC/MS Volatiles

Lot-Sample #...: I1K120125-014 Work Order #...: ENQV22AR Matrix.....: WASTE
Date Sampled...: 11/08/01 13:40 Date Received..: 11/12/01
Prep Date.....: 11/20/01 Analysis Date..: 11/20/01
Prep Batch #...: 1325290
Dilution Factor: 0.98
% Moisture.....: Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Benzene	**0.33 J**	**1.2**	**mg/kg**	**0.12**
Carbon tetrachloride	ND	1.2	mg/kg	0.13
Chlorobenzene	ND	1.2	mg/kg	0.13
Chloroform	ND	1.2	mg/kg	0.079
1,2-Dichloroethane	ND	1.2	mg/kg	0.19
1,1-Dichloroethylene	ND	1.2	mg/kg	0.33
Methyl ethyl ketone	ND	4.9	mg/kg	0.19
Tetrachloroethylene	**0.48 J**	**1.2**	**mg/kg**	**0.42**
Trichloroethylene	ND	1.2	mg/kg	0.14
Vinyl chloride	ND	2.4	mg/kg	0.17

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene	67	(66 - 128)
Toluene-d8	58 *	(63 - 125)
Dibromofluoromethane	89	(47 - 121)
1,2-Dichloroethane-d4	95	(40 - 138)

NOTE(S):

* Surrogate recovery is outside stated control limits.

J Estimated result. Result is less than RL.

Surrogates outside acceptance criteria due to demonstrated matrix effect.

CONOCO NG & GP

Client Sample ID: CAL-MON LUBE OIL (ORGANIC PHASE)

GC/MS Semivolatiles

Lot-Sample #...: I1K120125-014 Work Order #...: ENQV21AT Matrix.....: WASTE
Date Sampled...: 11/08/01 13:40 Date Received..: 11/12/01
Prep Date.....: 11/22/01 Analysis Date..: 12/26/01
Prep Batch #...: 1332399
Dilution Factor: 10
% Moisture.....: Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
2-Methylphenol	ND	1000	mg/kg	210
3-Methylphenol & 4-Methylphenol	ND	2000	mg/kg	51
1,4-Dichlorobenzene	ND	1000	mg/kg	86
2,4-Dinitrotoluene	ND	1000	mg/kg	99
Hexachlorobenzene	ND	1000	mg/kg	85
Hexachlorobutadiene	ND	1000	mg/kg	72
Hexachloroethane	ND	1000	mg/kg	77
Nitrobenzene	ND	1000	mg/kg	100
Pentachlorophenol	ND	5000	mg/kg	600
Pyridine	ND	2000	mg/kg	160
2,4,5-Trichlorophenol	ND	1000	mg/kg	120
2,4,6-Trichlorophenol	ND	1000	mg/kg	76

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Nitrobenzene-d5	93 DIL	(52 - 134)
2-Fluorobiphenyl	104 DIL	(58 - 130)
Terphenyl-d14	104 DIL	(56 - 138)
2-Fluorophenol	93 DIL	(46 - 130)
Phenol-d5	102 DIL	(52 - 133)
2,4,6-Tribromophenol	59 DIL	(18 - 144)

NOTE(S):

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

Elevated reporting limits due to hydrocarbon interference.

CONOCO NG & GP

Client Sample ID: CAL-MON LUBE OIL (AQUEOUS PHASE)

General Chemistry

Lot-Sample #...: I1K120125-013 Work Order #...: ENQV1 Matrix.....: WATER
Date Sampled...: 11/08/01 13:40 Date Received..: 11/12/01

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH (liquid)	8.5 H	0.10	No Units	SW846 9040B	11/14/01	1318460
	Dilution Factor: 1					
Ignitability	>200		No Units	SW846 1020A	11/16/01	1320417
	Dilution Factor: 1					
Reactive Cyanide	ND	200	mg/L	SW846 7.3.3	11/14-11/17/01	1319389
	Dilution Factor: 1					
Reactive Sulfide	ND	200	mg/L	SW846 7.3.4	11/14-11/15/01	1319261
	Dilution Factor: 1					

NOTE(S):

RL Reporting Limit

H The sample was prepared or analyzed after the EPA recommended holding time had been exceeded.

CONOCO NG & GP

Client Sample ID: CAL-MON LUBE OIL (ORGANIC PHASE)

General Chemistry

Lot-Sample #...: I1K120125-014 Work Order #...: ENQV2 Matrix.....: WASTE
Date Sampled...: 11/08/01 13:40 Date Received..: 11/12/01
% Moisture.....:

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Corrosivity	6.0 H	1.0	No Units	SW846 9040B	11/19/01	1323470
		Dilution Factor: 1				
Ignitability	NO	--	No Units	SW846 SECTION 7.1	11/15/01	1319455
		Dilution Factor: 1				
Reactive Cyanide	ND	200	mg/kg	SW846 7.3.3	11/14-11/17/01	1319389
		Dilution Factor: 1				
Reactive Sulfide	ND	200	mg/kg	SW846 7.3.4	11/14-11/15/01	1319261
		Dilution Factor: 1				

NOTE(S):

RL Reporting Limit

H The sample was prepared or analyzed after the EPA recommended holding time had been exceeded.

pH analysis performed by paperstrip due to organic matrix.

CONOCO NG & GP

Client Sample ID: CAL-MON LUBE OIL (AQUEOUS PHASE)

TCLP Metals

Lot-Sample #...: I1K120125-013 **Matrix.....:** WATER
Date Sampled...: 11/08/01 13:40 **Date Received..:** 11/12/01
Leach Date.....: 11/16/01 **Leach Batch #..:** P132009

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1323332						
Silver	ND	0.025 Dilution Factor: 5	mg/L	SW846 6010B	11/19-11/29/01	ENQV11AD
Arsenic	**0.16**	**0.050** Dilution Factor: 5	**mg/L**	**SW846 6010B**	**11/19-11/29/01**	**ENQV11AE**
Barium	ND	0.050 Dilution Factor: 5	mg/L	SW846 6010B	11/19-11/29/01	ENQV11AF
Cadmium	**0.015**	**0.010** Dilution Factor: 5	**mg/L**	**SW846 6010B**	**11/19-11/29/01**	**ENQV11AG**
Chromium	ND	0.025 Dilution Factor: 5	mg/L	SW846 6010B	11/19-11/29/01	ENQV11AH
Lead	ND	0.015 Dilution Factor: 5	mg/L	SW846 6010B	11/19-11/29/01	ENQV11AJ
Selenium	**0.73**	**0.025** Dilution Factor: 5	**mg/L**	**SW846 6010B**	**11/19-11/29/01**	**ENQV11AK**
Prep Batch #...: 1333296						
Mercury	ND	0.0020 Dilution Factor: 1	mg/L	SW846 7470A	11/27-11/28/01	ENQV11AQ

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

CONOCO NG & GP

Client Sample ID: CAL-MON LUBE OIL (ORGANIC PHASE)

TOTAL Metals

Lot-Sample #...: I1K120125-014 **Matrix.....:** WASTE
Date Sampled...: 11/08/01 13:40 **Date Received..:** 11/12/01
% Moisture.....:

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1333190						
Silver	ND	1.0	mg/kg	SW846 6010B	11/21-11/28/01	ENQV21AU
		Dilution Factor: 1				
Arsenic	ND	1.0	mg/kg	SW846 6010B	11/21-11/28/01	ENQV21AV
		Dilution Factor: 1				
Barium	1.3	1.0	mg/kg	SW846 6010B	11/21-11/28/01	ENQV21AW
		Dilution Factor: 1				
Cadmium	0.31	0.20	mg/kg	SW846 6010B	11/21-11/28/01	ENQV21AX
		Dilution Factor: 1				
Chromium	0.97	0.50	mg/kg	SW846 6010B	11/21-11/28/01	ENQV21A0
		Dilution Factor: 1				
Lead	14.1	0.30	mg/kg	SW846 6010B	11/21-11/28/01	ENQV21A1
		Dilution Factor: 1				
Selenium	1.0	0.50	mg/kg	SW846 6010B	11/21-11/28/01	ENQV21A2
		Dilution Factor: 1				
Prep Batch #...: 1340216						
Mercury	ND	0.10	mg/kg	SW846 7471A	12/05/01	ENQV21AQ
		Dilution Factor: 1				

Hobbs, NM 88241-1980
District II - (505) 748-1283
811 S. First
Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Road
Aztec, NM 87410
District IV - (505) 827-7131

Energy Minerals and Natural Resources Department
Oil Conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

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REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☒	4. Generator Conoco Inc.
Verbal Approval Received: Yes ☐ No ☐	5. Originating Site Kinnitz
2. Management Facility Destination SUNDANCE SERVICES INC.	6. Transporter Key
3. Address of Facility Operator P.O. BOX 1737 Eunice NM 88231	8. State NEW MEXICO
7. Location of Material (Street Address or ULSTR) S22 T-32E R17S	

9. Circle One:

A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from t Generator; one certificate per job.

(B.) All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous listing or testing will be approved.

All transporters must certify the wastes delivered are only those consigned for transport.

BRIEF DESCRIPTION OF MATERIAL:

Attached are analytical results for compressor station for Conoco Inc. I have included a chain of custody and certificate of waste status. Sundance would like approval to accept this material into our Parabo Facility.

Lead > 5.0 is Hazardous. mjh

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

SIGNATURE: Donna Roach TITLE: OFFICE MGR DATE: _____
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: DONNA L. ROACH TELEPHONE NO. 505-394-2511

(This space for State Use)

APPROVED BY: _____ TITLE: _____ DATE: _____

DENIED

APPROVED BY: _____ TITLE: _____ DATE: _____

2-25220

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

COMPANY /GENERATOR CONOCO INC. (CG&P)

ADDRESS 921 W.SANGER HOBBS,NM 88240

GENERATING SITE Kinmitz

GENERATING PROCESS ENGINE /COMPRESSOR OPERATION

REMARKS

NMOCD FACILITY SUNDANCE SERVICES INC.

TRUCKING COMPANY HUGHES TRKING / STEVE CARTER TRKING/ KEY SERVICES

As a condition of acceptance for disposal, I hereby certify that his waste is a non-exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory determinations. 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 Mark Bishop
SIGNATURE

NAME MARK BISHOP
PRINTED

ADDRESS 921 W. SANGER

HOBBS, NM 88240

DATE 2-14-02

Lead

[Pb] > 5

Chain of Custody Record

STL Denver
4955 Yarrow Street
Arvada, CO 80002

SEVERN TRENT SERVICES — Severn Trent Laboratories, Inc.

STL-4124 (1200) DEN (0900)

Client	Project Manager	Date	Chain of Custody Number
Maxim Technologies	Dan Erskine	12/17/01	088311
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 1 of 2**
10601 Lomas NE Ste 106	505-237-8440 / 505-237-8656		
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	
Albuquerque / NM / 87112	Dan Erskine		
Project Name and Location (State)	**Carrier/Waybill Number**		
Conoco Oily Waste			
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix ? (Air / Aqueous / Sed. / Soil)	Containers & Preservatives (Unpres. / H2SO4 / HNO3 / HCl / NaOH / ZnAc/NaOH)	Analysis (Attach list if more space is needed)	Special Instructions/ Conditions of Receipt
Kinmitz	12/14	934		2/16 oz		
				4/8 oz		
Skelly	12/14	1038		2-16 oz		
				4-8 oz		
West Turkey Track	12/14	1309		2-16 oz		
				4-8 oz		
Turkey Track	12/14	1403		1-16 oz		
				2-8 oz		
Zia Booster	12/14	1535		2-8 oz		
Chavez	12/14	1629		2-16 oz		
				4-8 oz		

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

Sample Disposal
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 3 months)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☒ Other Standard

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: Daniel W Erskine	12/17	1130	1. Received By:	12/18/01	0845
2. Relinquished By:			2. Received By:		
3. Relinquished By:			3. Received By:		

Comments

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

CONOCO INC.

Client Sample ID: KINMITZ

TCLP GC/MS Volatiles

Lot-Sample #...: D1L200203-001	Work Order #...: EQT641AG	Matrix.....: WATER	
Date Sampled...: 12/14/01 09:34	Date Received..: 12/19/01		
Leach Date.....: 12/26/01	Prep Date.....: 01/07/02	Analysis Date..: 01/07/02	
Leach Batch #..: P136104	Prep Batch #...: 2008375	Analysis Time..: 14:58	
Dilution Factor: 1			
	Method.....: SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	0.0072 J	0.010	mg/L
2-Butanone	ND	0.050	mg/L
Carbon tetrachloride	ND	0.010	mg/L
Chlorobenzene	ND	0.010	mg/L
Chloroform	ND	0.010	mg/L
1,2-Dichloroethane	ND	0.010	mg/L
1,1-Dichloroethene	ND	0.010	mg/L
Tetrachloroethene	ND	0.010	mg/L
Trichloroethene	ND	0.010	mg/L
Vinyl chloride	ND	0.020	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	101	(80 - 120)
1,2-Dichloroethane-d4	101	(72 - 127)
4-Bromofluorobenzene	98	(79 - 119)
Toluene-d8	101	(79 - 119)

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

J Estimated result. Result is less than RL.

CONOCO INC.

Client Sample ID: KINMITZ

TCLP GC/MS Semivolatiles

Lot-Sample #...: D1L200203-001 Work Order #...: EQT641AF Matrix.....: WATER
Date Sampled...: 12/14/01 09:34 Date Received..: 12/19/01
Leach Date.....: 12/26/01 Prep Date.....: 12/27/01 Analysis Date..: 01/02/02
Leach Batch #..: P136102 Prep Batch #...: 1361363 Analysis Time..: 15:55
Dilution Factor: 1
Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
1,4-Dichlorobenzene	ND	0.10	mg/L
2,4-Dinitrotoluene	ND	0.10	mg/L
Hexachlorobenzene	ND	0.10	mg/L
Hexachlorobutadiene	ND	0.10	mg/L
Hexachloroethane	ND	0.10	mg/L
2-Methylphenol	ND	0.10	mg/L
Nitrobenzene	ND	0.10	mg/L
Pentachlorophenol	ND	0.50	mg/L
Pyridine	ND	0.20	mg/L
2,4,5-Trichlorophenol	ND	0.10	mg/L
2,4,6-Trichlorophenol	ND	0.10	mg/L
3-Methylphenol & 4-Methylphenol	0.030 J	0.10	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	43	(38 - 91)
Phenol-d5	60	(37 - 94)
Nitrobenzene-d5	75	(41 - 107)
2-Fluorobiphenyl	54	(33 - 99)
2,4,6-Tribromophenol	63	(40 - 110)
Terphenyl-d14	66	(47 - 107)

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

J Estimated result. Result is less than RL.

CONOCO INC.

Client Sample ID: KINMITZ

TCLP Metals

Lot-Sample #...: D1L200203-001 Matrix.....: WATER
Date Sampled...: 12/14/01 09:34 Date Received..: 12/19/01
Leach Date.....: 12/26/01 Leach Batch #..: P136102

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1361323						
Mercury	ND	0.0020	mg/L	SW846 7470A	01/01/02	EQT641AQ
		Dilution Factor: 1		Analysis Time..: 21:35		
Prep Batch #...: 1361448						
Silver	ND	0.10	mg/L	SW846 6010B	01/02-01/04/02	EQT641AH
		Dilution Factor: 1		Analysis Time..: 16:27		
Arsenic	ND	0.10	mg/L	SW846 6010B	01/02-01/04/02	EQT641AJ
		Dilution Factor: 1		Analysis Time..: 16:27		
Barium	0.044 B	0.10	mg/L	SW846 6010B	01/02-01/04/02	EQT641AK
		Dilution Factor: 1		Analysis Time..: 16:27		
Cadmium	0.020 B,J	0.050	mg/L	SW846 6010B	01/02-01/04/02	EQT641AL
		Dilution Factor: 1		Analysis Time..: 16:27		
Chromium	0.060 B	0.10	mg/L	SW846 6010B	01/02-01/04/02	EQT641AM
		Dilution Factor: 1		Analysis Time..: 16:27		
Lead	0.019 B,J	0.030	mg/L	SW846 6010B	01/02-01/04/02	EQT641AN
		Dilution Factor: 1		Analysis Time..: 16:27		
Selenium	0.079	0.050	mg/L	SW846 6010B	01/02-01/04/02	EQT641AP
		Dilution Factor: 1		Analysis Time..: 16:27		

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

CONOCO INC.

Client Sample ID: KINMITZ

General Chemistry

Lot-Sample #...: D1L200203-001 Work Order #...: EQT64 Matrix.....: WATER
Date Sampled...: 12/14/01 09:34 Date Received..: 12/19/01

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH	5.3	0.10	No Units	MCAWW 150.1	12/21/01	1355543

Dilution Factor: 1 Analysis Time..: 12:00

CONOCO INC.

Client Sample ID: KINMITZ

TCLP GC/MS Volatiles

Lot-Sample #...: D1L200203-002	Work Order #...: EQT7C1AD	Matrix.....: SOLID	
Date Sampled...: 12/14/01 09:34	Date Received..: 12/19/01		
Leach Date.....: 12/26/01	Prep Date.....: 01/07/02	Analysis Date..: 01/07/02	
Leach Batch #..: P136105	Prep Batch #...: 2008374	Analysis Time..: 16:27	
Dilution Factor: 2000			
	Method.....: SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	ND	20	mg/L
2-Butanone	ND	100	mg/L
Carbon tetrachloride	ND	20	mg/L
Chlorobenzene	ND	20	mg/L
Chloroform	ND	20	mg/L
1,2-Dichloroethane	ND	20	mg/L
1,1-Dichloroethene	ND	20	mg/L
Tetrachloroethene	ND	20	mg/L
Trichloroethene	ND	20	mg/L
Vinyl chloride	ND	20	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	101	(80 - 120)
1,2-Dichloroethane-d4	99	(76 - 122)
4-Bromofluorobenzene	112	(79 - 119)
Toluene-d8	103	(79 - 119)

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

CONOCO INC.

Client Sample ID: KINMITZ

GC/MS Semivolatiles

Lot-Sample #...: D1L200203-002 Work Order #...: EQT7C1AC Matrix.....: SOLID
Date Sampled...: 12/14/01 09:34 Date Received..: 12/19/01
Prep Date.....: 12/26/01 Analysis Date..: 12/29/01
Prep Batch #...: 1360204 Analysis Time..: 01:08
Dilution Factor: 1
Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
1,4-Dichlorobenzene	ND	100	mg/kg
2,4-Dinitrotoluene	ND	100	mg/kg
Hexachlorobenzene	ND	100	mg/kg
Hexachlorobutadiene	ND	100	mg/kg
Hexachloroethane	ND	100	mg/kg
2-Methylphenol	ND	100	mg/kg
Nitrobenzene	ND	100	mg/kg
Pentachlorophenol	ND	510	mg/kg
Pyridine	ND	210	mg/kg
2,4,5-Trichlorophenol	ND	100	mg/kg
2,4,6-Trichlorophenol	ND	100	mg/kg
3-Methylphenol & 4-Methylphenol	ND	100	mg/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	96	(34 - 97)
Phenol-d5	84	(39 - 90)
Nitrobenzene-d5	93	(33 - 97)
2-Fluorobiphenyl	89	(39 - 91)
2,4,6-Tribromophenol	102 *	(29 - 95)
Terphenyl-d14	76	(30 - 102)

NOTE(S):

* Surrogate recovery is outside stated control limits.

Results and reporting limits have been adjusted for dry weight.

CONOCO INC.

Client Sample ID: KINMITZ

TOTAL Metals

Lot-Sample #...: D1L200203-002 **Matrix.....:** SOLID
Date Sampled...: 12/14/01 09:34 **Date Received..:** 12/19/01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1361278						
Mercury	ND	0.035	mg/kg	SW846 7471A	12/28/01	EQT7C1AT
		Dilution Factor: 1		Analysis Time..: 20:25		
Prep Batch #...: 2002308						
Silver	ND	1.1	mg/kg	SW846 6010B	01/03/02	EQT7C1AU
		Dilution Factor: 1		Analysis Time..: 16:08		
Arsenic	0.52 B	1.1	mg/kg	SW846 6010B	01/03/02	EQT7C1AV
		Dilution Factor: 1		Analysis Time..: 16:08		
Barium	0.66 B	1.1	mg/kg	SW846 6010B	01/03/02	EQT7C1AW
		Dilution Factor: 1		Analysis Time..: 16:08		
Cadmium	0.41 B	0.53	mg/kg	SW846 6010B	01/03/02	EQT7C1AX
		Dilution Factor: 1		Analysis Time..: 16:08		
Chromium	0.43 B	1.1	mg/kg	SW846 6010B	01/03/02	EQT7C1A0
		Dilution Factor: 1		Analysis Time..: 16:08		
Lead	6.3	0.85	mg/kg	SW846 6010B	01/03/02	EQT7C1A1
		Dilution Factor: 1		Analysis Time..: 16:08		
Selenium	0.86 B	1.4	mg/kg	SW846 6010B	01/03/02	EQT7C1A2
		Dilution Factor: 1		Analysis Time..: 16:08		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

B Estimated result. Result is less than RL.

CONOCO INC.

Client Sample ID: KINMITZ

General Chemistry

Lot-Sample #...: D1L200203-002 Work Order #...: EQT7C Matrix.....: SOLID
Date Sampled...: 12/14/01 09:34 Date Received..: 12/19/01

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH	6.5	0.10	No Units	SW846 9045C	12/31-01/08/02	1365321
		Dilution Factor: 1		Analysis Time..: 12:00		
Ignitability	NO	--	deg F	SW846 SECTION 7.1	01/04/02	2004272
		Dilution Factor: 1		Analysis Time..: 12:00		
Percent Moisture	5.5	0.10	%	MCAWW 160.3 MOD	01/02-01/02/01	2003311
		Dilution Factor: 1		Analysis Time..: 15:00		
Reactive Cyanide	ND	1.0	mg/kg	SW846 7.3.3	12/28/01	1362368
		Dilution Factor: 1		Analysis Time..: 14:00		
Reactive Sulfide	ND	50.0	mg/kg	SW846 7.3.4	12/28-12/31/01	1362244
		Dilution Factor: 1		Analysis Time..: 12:00		

Hobbs, NM 88241-1980
District II - (505) 748-1283
811 S. First
Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Road
Aztec, NM 87410
District IV - (505) 827-7131

Energy Minerals and Natural Resources Department
Oil Conservation Division

2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

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Oil Conservation Division

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REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☒	4. Generator Conoco Inc.
Verbal Approval Received: Yes ☐ No ☐	5. Originating Site Turkey Track
2. Management Facility Destination SUNDANCE SERVICES INC.	6. Transporter Key
3. Address of Facility Operator P.O. BOX 1737 Eunice NM 88231	8. State NEW MEXICO
7. Location of Material (Street Address or ULSTR) S21	T31E R18S

9. Circle One:

A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from Generator; one certificate per job.

(B.) All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous listing or testing will be approved.

All transporters must certify the wastes delivered are only those consigned for transport.

BRIEF DESCRIPTION OF MATERIAL:

Attached are analytical results for compressor station for Conoco Inc. I have included a chain of custody and certificate of waste status. Sundance would like approval to accept this material into our Parabo Facility.

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

SIGNATURE: Donna Roach TITLE: OFFICE MGR DATE: _____
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: DONNA L. ROACH TELEPHONE NO. 505-394-2511

(This space for State Use)

APPROVED BY: _____ TITLE: _____ DATE: _____

APPROVED BY: Martyn J. Kelly TITLE: Environmental Geologist DATE: 2-25-02

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

COMPANY /GENERATOR CONOCO INC. (CG&P)

ADDRESS 921 W.SANGER HOBBS,NM 88240

GENERATING SITE Turkey Track

GENERATING PROCESS ENGINE /COMPRESSOR OPERATION

REMARKS

NMOCD FACILITY SUNDANCE SERVICES INC.

TRUCKING COMPANY HUGHES TRKING / STEVE CARTER TRKING/ KEY SERVICES

As a condition of acceptance for disposal, I hereby certify that his waste is a non-exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory determinations. 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 Mark Bishop
SIGNATURE

NAME MARK BISHOP
PRINTED

ADDRESS 921 W. SANGER

HOBBS, NM 88240

DATE 2-14-02

Chain of Custody Record

STL Denver
4955 Yarrow Street
Arvada, CO 80002

SEVERN TRENT SERVICES — Severn Trent Laboratories, Inc.

STL-4124 (1200) DEN (0900)

Client	Project Manager	Date	Chain of Custody Number
Maxim Technologies	Dan Erskine	12/17/01	088311
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 1 of 2**
10601 Lomas NE Ste 106	505-237-8440/505-237-8656		
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	
Albuquerque / NM / 87112	Dan Erskine		
Project Name and Location (State)	**Carrier/Waybill Number**		
Conoco Oily Waste			
Contract/Purchase Order/Quote No			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix? Air	Aqueous	Sed.	Soil	Containers & Preservatives Unpres.	H_2SO_4	HNO_3	HCl	NaOH	ZnAc/NaOH	Analysis (Attach list if more space is needed)	Special Instructions/ Conditions of Receipt
Kinmitz	12/14	934						2				16 oz		
								4				8 oz		
Skelly	12/14	1038						2				16 oz		
								4				8 oz		
West Turkey Track	12/14	1309						2				16 oz		
								4				8 oz		
Turkey Track	12/14	1403						1				16 oz		
								2				8 oz		
Zia Booster	12/14	1535						2				8 oz		
Chavez	12/14	1629						2				16 oz		
								4				8 oz		

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

Sample Disposal
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 3 months)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☒ Other Standard

QC Requirements (Specify)

	Relinquished By	Date	Time	Received By	Date	Time
1.	Daniel W. Erskine	12/17	1130	[signature]	12/18/01	0845
2.						
3.						

Comments

CANARY - Returned to Client with Report; PINK - Field Copy

CONOCO INC.

Client Sample ID: TURKEY TRACK

TCLP GC/MS Volatiles

Lot-Sample #...: D1L200203-005	Work Order #...: EQT7Q1AG	Matrix.....: WATER
Date Sampled...: 12/14/01 14:03	Date Received..: 12/19/01	
Leach Date.....: 12/26/01	Prep Date.....: 01/07/02	Analysis Date..: 01/07/02
Leach Batch #..: P136104	Prep Batch #...: 2008375	Analysis Time..: 19:32
Dilution Factor: 1		
	Method.....: SW846 8260B	

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	ND	0.010	mg/L
2-Butanone	0.016 J	0.050	mg/L
Carbon tetrachloride	ND	0.010	mg/L
Chlorobenzene	ND	0.010	mg/L
Chloroform	ND	0.010	mg/L
1,2-Dichloroethane	ND	0.010	mg/L
1,1-Dichloroethene	ND	0.010	mg/L
Tetrachloroethene	ND	0.010	mg/L
Trichloroethene	ND	0.010	mg/L
Vinyl chloride	ND	0.020	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	106	(80 - 120)
1,2-Dichloroethane-d4	111	(72 - 127)
4-Bromofluorobenzene	98	(79 - 119)
Toluene-d8	101	(79 - 119)

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

J Estimated result. Result is less than RL.

CONOCO INC.

Client Sample ID: TURKEY TRACK

TCLP GC/MS Semivolatiles

Lot-Sample #...: D1L200203-005	Work Order #...: EQT7Q1AF	Matrix.....: WATER	
Date Sampled...: 12/14/01 14:03	Date Received..: 12/19/01		
Leach Date.....: 12/26/01	Prep Date.....: 12/27/01	Analysis Date..: 01/02/02	
Leach Batch #..: P136102	Prep Batch #...: 1361363	Analysis Time..: 17:08	
Dilution Factor: 1			
	Method.....: SW846 8270C		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
1,4-Dichlorobenzene	ND	0.10	mg/L
2,4-Dinitrotoluene	ND	0.10	mg/L
Hexachlorobenzene	ND	0.10	mg/L
Hexachlorobutadiene	ND	0.10	mg/L
Hexachloroethane	ND	0.10	mg/L
2-Methylphenol	ND	0.10	mg/L
Nitrobenzene	ND	0.10	mg/L
Pentachlorophenol	ND	0.50	mg/L
Pyridine	ND	0.20	mg/L
2,4,5-Trichloro-phenol	ND	0.10	mg/L
2,4,6-Trichloro-phenol	ND	0.10	mg/L
3-Methylphenol & 4-Methylphenol	ND	0.10	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	0.13 *	(38 - 91)
Phenol-d5	0.69 *	(37 - 94)
Nitrobenzene-d5	62	(41 - 107)
2-Fluorobiphenyl	61	(33 - 99)
2,4,6-Tribromophenol	4.9 *	(40 - 110)
Terphenyl-d14	57	(47 - 107)

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

* Surrogate recovery is outside stated control limits.

CONOCO INC.

Client Sample ID: TURKEY TRACK

TCLP Metals

Lot-Sample #...: D1L200203-005 **Matrix.....:** WATER
Date Sampled...: 12/14/01 14:03 **Date Received..:** 12/19/01
Leach Date.....: 12/26/01 **Leach Batch #..:** P136102

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1361323						
Mercury	ND	0.0020	mg/L	SW846 7470A	01/01/02	EQT7Q1AQ
		Dilution Factor: 1		Analysis Time..: 21:43		
Prep Batch #...: 1361448						
Silver	ND	0.10	mg/L	SW846 6010B	01/02-01/04/02	EQT7Q1AH
		Dilution Factor: 1		Analysis Time..: 16:43		
Arsenic	ND	0.10	mg/L	SW846 6010B	01/02-01/04/02	EQT7Q1AJ
		Dilution Factor: 1		Analysis Time..: 16:43		
Barium	0.066 B	0.10	mg/L	SW846 6010B	01/02-01/04/02	EQT7Q1AK
		Dilution Factor: 1		Analysis Time..: 16:43		
Cadmium	0.0012 B,J	0.050	mg/L	SW846 6010B	01/02-01/04/02	EQT7Q1AL
		Dilution Factor: 1		Analysis Time..: 16:43		
Chromium	0.0024 B	0.10	mg/L	SW846 6010B	01/02-01/04/02	EQT7Q1AM
		Dilution Factor: 1		Analysis Time..: 16:43		
Lead	0.0051 B,J	0.030	mg/L	SW846 6010B	01/02-01/04/02	EQT7Q1AN
		Dilution Factor: 1		Analysis Time..: 16:43		
Selenium	0.010 B	0.050	mg/L	SW846 6010B	01/02-01/04/02	EQT7Q1AP
		Dilution Factor: 1		Analysis Time..: 16:43		

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

CONOCO INC.

Client Sample ID: TURKEY TRACK

General Chemistry

Lot-Sample #...: D1L200203-005 Work Order #...: EQT7Q Matrix.....: WATER
Date Sampled...: 12/14/01 14:03 Date Received..: 12/19/01

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH	6.2	0.10	No Units	MCAWW 150.1	12/21/01	1355543
	Dilution Factor: 1			Analysis Time..: 12:00		

CONOCO INC.

Client Sample ID: TURKEY TRACK

TCLP GC/MS Volatiles

Lot-Sample #...: D1L200203-006	Work Order #...: EQT701AD	Matrix.....: SOLID
Date Sampled...: 12/14/01 14:03	Date Received..: 12/19/01	
Leach Date.....: 12/26/01	Prep Date.....: 01/07/02	Analysis Date..: 01/07/02
Leach Batch #..: P136105	Prep Batch #...: 2008374	Analysis Time..: 16:50
Dilution Factor: 200		
	Method.....: SW846 8260B	

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	ND	2.0	mg/L
2-Butanone	ND	10	mg/L
Carbon tetrachloride	ND	2.0	mg/L
Chlorobenzene	ND	2.0	mg/L
Chloroform	ND	2.0	mg/L
1,2-Dichloroethane	ND	2.0	mg/L
1,1-Dichloroethene	ND	2.0	mg/L
Tetrachloroethene	ND	2.0	mg/L
Trichloroethene	ND	2.0	mg/L
Vinyl chloride	ND	2.0	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	105	(80 - 120)
1,2-Dichloroethane-d4	105	(76 - 122)
4-Bromofluorobenzene	102	(79 - 119)
Toluene-d8	102	(79 - 119)

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

CONOCO INC.

Client Sample ID: TURKEY TRACK

GC/MS Semivolatiles

Lot-Sample #...: D1L200203-006 Work Order #...: EQT701AC Matrix.....: SOLID
Date Sampled...: 12/14/01 14:03 Date Received..: 12/19/01
Prep Date.....: 12/26/01 Analysis Date..: 12/29/01
Prep Batch #...: 1360204 Analysis Time..: 01:30
Dilution Factor: 1
Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
1,4-Dichlorobenzene	ND	100	mg/kg
2,4-Dinitrotoluene	ND	100	mg/kg
Hexachlorobenzene	ND	100	mg/kg
Hexachlorobutadiene	ND	100	mg/kg
Hexachloroethane	ND	100	mg/kg
2-Methylphenol	ND	100	mg/kg
Nitrobenzene	ND	100	mg/kg
Pentachlorophenol	ND	490	mg/kg
Pyridine	ND	200	mg/kg
2,4,5-Trichlorophenol	ND	100	mg/kg
2,4,6-Trichlorophenol	ND	100	mg/kg
3-Methylphenol & 4-Methylphenol	ND	100	mg/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	93	(34 - 97)
Phenol-d5	82	(39 - 90)
Nitrobenzene-d5	82	(33 - 97)
2-Fluorobiphenyl	93 *	(39 - 91)
2,4,6-Tribromophenol	96 *	(29 - 95)
Terphenyl-d14	71	(30 - 102)

NOTE(S):

* Surrogate recovery is outside stated control limits.

Results and reporting limits have been adjusted for dry weight.

CONOCO INC.

Client Sample ID: TURKEY TRACK

TOTAL Metals

Lot-Sample #...: D1L200203-006 Matrix.....: SOLID
Date Sampled...: 12/14/01 14:03 Date Received..: 12/19/01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1361278						
Mercury	ND	0.034	mg/kg	SW846 7471A	12/28/01	EQT701AT
		Dilution Factor: 1		Analysis Time..: 20:27		
Prep Batch #...: 2002308						
Silver	ND	1.0	mg/kg	SW846 6010B	01/03/02	EQT701AU
		Dilution Factor: 1		Analysis Time..: 16:25		
Arsenic	0.45 B	1.0	mg/kg	SW846 6010B	01/03/02	EQT701AV
		Dilution Factor: 1		Analysis Time..: 16:25		
Barium	1.1	1.0	mg/kg	SW846 6010B	01/03/02	EQT701AW
		Dilution Factor: 1		Analysis Time..: 16:25		
Cadmium	0.070 B	0.51	mg/kg	SW846 6010B	01/03/02	EQT701AX
		Dilution Factor: 1		Analysis Time..: 16:25		
Chromium	0.16 B	1.0	mg/kg	SW846 6010B	01/03/02	EQT701A0
		Dilution Factor: 1		Analysis Time..: 16:25		
Lead	0.38 B	0.82	mg/kg	SW846 6010B	01/03/02	EQT701A1
		Dilution Factor: 1		Analysis Time..: 16:25		
Selenium	0.68 B	1.3	mg/kg	SW846 6010B	01/03/02	EQT701A2
		Dilution Factor: 1		Analysis Time..: 16:25		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

B Estimated result. Result is less than RL.

CONOCO INC.

Client Sample ID: TURKEY TRACK

General Chemistry

Lot-Sample #...: D1L200203-006 Work Order #...: EQT70 Matrix.....: SOLID
Date Sampled...: 12/14/01 14:03 Date Received..: 12/19/01

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH	5.1	0.10	No Units	SW846 9045C	12/31-01/08/02	1365321
		Dilution Factor: 1		Analysis Time..: 12:00		
Ignitability	NO	--	deg F	SW846 SECTION 7.1	01/04/02	2004272
		Dilution Factor: 1		Analysis Time..: 12:00		
Percent Moisture	2.6	0.10	%	MCAWW 160.3 MOD	01/02-01/02/01	2003311
		Dilution Factor: 1		Analysis Time..: 15:00		
Reactive Cyanide	ND	1.0	mg/kg	SW846 7.3.3	12/28/01	1362368
		Dilution Factor: 1		Analysis Time..: 14:00		
Reactive Sulfide	6.4 B,J	50.0	mg/kg	SW846 7.3.4	12/28-12/31/01	1362244
		Dilution Factor: 1		Analysis Time..: 12:00		

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Hobbs, NM 88241-1980
District II - (505) 748-1283
811 S. First
Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Road
Aztec, NM 87410
District IV - (505) 827-7131

Energy Minerals and Natural Resources Department
Oil Conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

RECEIVED
FEB 25 2002
Environmental Bureau
Oil Conservation Division

Originate

Submit
Plus
to app
Distric

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☒	4. Generator Conoco Inc.
Verbal Approval Received: Yes ☐ No ☐	5. Originating Site Gamma Ridge #1
2. Management Facility Destination SUNDANCE SERVICES INC.	6. Transporter Key
3. Address of Facility Operator P.O. BOX 1737 Eunice NM 88231	8. State NEW MEXICO
7. Location of Material (Street Address or ULSTR) Sec 3 T 34E R 21S	

9. Circle One:

A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from Generator; one certificate per job.

(B.) All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous listing or testing will be approved.

All transporters must certify the wastes delivered are only those consigned for transport.

BRIEF DESCRIPTION OF MATERIAL:

Attached are analytical results for compressor station for Conoco Inc. I have included a chain of custody and certificate of waste status. Sundance would like approval to accept this material into our Parabo Facility.

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

SIGNATURE: Donna Roach Waste Management Facility Authorized Agent TITLE: OFFICE MGR DATE: _____

TYPE OR PRINT NAME: DONNA L. ROACH TELEPHONE NO. 505-394-2511

(This space for State Use)

APPROVED BY: _____ TITLE: _____ DATE: _____

APPROVED BY: Martyne J. Kieling TITLE: Environmental Geologist DATE: 2-25-02

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

COMPANY /GENERATOR CONOCO INC. (CG&P)

ADDRESS 921 W.SANGER HOBBS,NM 88240

GENERATING SITE Gamma Ridge #1

GENERATING PROCESS ENGINE /COMPRESSOR OPERATION

REMARKS

NMOCD FACILITY SUNDANCE SERVICES INC.

TRUCKING COMPANY HUGHES TRKING / STEVE CARTER TRKING/ KEY SERVICES

As a condition of acceptance for disposal, I hereby certify that his waste is a non-exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory determinations. 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 Mark Bishop
SIGNATURE

NAME MARK BISHOP
PRINTED

ADDRESS 921 W. SANGER

HOBBS, NM 88240

DATE 2-14-02

Chain of Custody Record

STL Denver
4955 Yarrow Street
Arvada, CO 80002

2-95.7 to 12/18/01

SEVERN TRENT SERVICES — Severn Trent Laboratories, Inc.

STL-4124 (1200) DEN (0900)

Client	Project Manager	Date	Chain of Custody Number
Maxim Technologies	Dan Erskine	12/17/01	092658
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 2 of 2**
10601 Lomas			
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	
Albuquerque / NM / 87112			
Project Name and Location (State)	**Carrier/Waybill Number**		
Contract/Purchase Order/Quote No.			

Analysis (Attach list if more space is needed)

Special Instructions/ Conditions of Receipt

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres	H2SO4	HNO3	HCl	NaOH	ZnAc/ NaOH
Gramma Ridge #1	12/17	949					4		16	02		
Gramma Ridge #2		1000										
Pure Gold		1051										
Pardue		1135										
Cedar Canyon		1229										
Ramsey		1348										
Malaga		1429										

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

Sample Disposal
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 3 months)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☒ Other Standard

QC Requirements (Specify)

1. Relinquished By	Date	Time	1. Received By	Date	Time
Daniel W. Erskine	12/17	1130	Brown	12/18/01	0845
2. Relinquished By	Date	Time	2. Received By	Date	Time
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments

WHITE with Sample: CANARY - Returned to Client with Report: PINK - Field Copy

CONOCO INC.

Client Sample ID: GRAMMA RIDGE #1

TCLP GC/MS Volatiles

Lot-Sample #...: D1L200203-009	Work Order #...: EQT751AG	Matrix.....: WATER
Date Sampled...: 12/14/01 09:49	Date Received..: 12/19/01	
Leach Date.....: 12/26/01	Prep Date.....: 01/07/02	Analysis Date..: 01/07/02
Leach Batch #..: P136104	Prep Batch #...: 2008375	Analysis Time..: 20:18
Dilution Factor: 1		
	Method.....: SW846 8260B	

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	**0.081**	**0.010**	**mg/L**
2-Butanone	ND	0.050	mg/L
Carbon tetrachloride	ND	0.010	mg/L
Chlorobenzene	ND	0.010	mg/L
Chloroform	ND	0.010	mg/L
1,2-Dichloroethane	ND	0.010	mg/L
1,1-Dichloroethene	ND	0.010	mg/L
Tetrachloroethene	ND	0.010	mg/L
Trichloroethene	ND	0.010	mg/L
Vinyl chloride	ND	0.020	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	108	(80 - 120)
1,2-Dichloroethane-d4	115	(72 - 127)
4-Bromofluorobenzene	99	(79 - 119)
Toluene-d8	101	(79 - 119)

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

CONOCO INC.

Client Sample ID: GRAMMA RIDGE #1

TCLP GC/MS Semivolatiles

Lot-Sample #...: D1L200203-009 Work Order #...: EQT751AF Matrix.....: WATER
Date Sampled...: 12/14/01 09:49 Date Received..: 12/19/01
Leach Date.....: 12/26/01 Prep Date.....: 12/27/01 Analysis Date..: 01/02/02
Leach Batch #..: P136102 Prep Batch #...: 1361363 Analysis Time..: 17:56
Dilution Factor: 1
Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
1,4-Dichlorobenzene	ND	0.10	mg/L
2,4-Dinitrotoluene	ND	0.10	mg/L
Hexachlorobenzene	ND	0.10	mg/L
Hexachlorobutadiene	ND	0.10	mg/L
Hexachloroethane	ND	0.10	mg/L
2-Methylphenol	ND	0.10	mg/L
Nitrobenzene	ND	0.10	mg/L
Pentachlorophenol	ND	0.50	mg/L
Pyridine	ND	0.20	mg/L
2,4,5-Trichloro-phenol	ND	0.10	mg/L
2,4,6-Trichloro-phenol	ND	0.10	mg/L
3-Methylphenol & 4-Methylphenol	ND	0.10	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	6.6 *	(38 - 91)
Phenol-d5	8.0 *	(37 - 94)
Nitrobenzene-d5	68	(41 - 107)
2-Fluorobiphenyl	69	(33 - 99)
2,4,6-Tribromophenol	20 *	(40 - 110)
Terphenyl-d14	70	(47 - 107)

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

* Surrogate recovery is outside stated control limits.

CONOCO INC.

Client Sample ID: GRAMMA RIDGE #1

TCLP Metals

Lot-Sample #...: D1L200203-009 Matrix.....: WATER
Date Sampled...: 12/14/01 09:49 Date Received..: 12/19/01
Leach Date.....: 12/26/01 Leach Batch #..: P136102

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1361323						
Mercury	ND	0.0020	mg/L	SW846 7470A	01/01/02	EQT751AQ
		Dilution Factor: 1		Analysis Time..: 21:50		
Prep Batch #...: 1361448						
Silver	ND	0.10	mg/L	SW846 6010B	01/02-01/04/02	EQT751AH
		Dilution Factor: 1		Analysis Time..: 16:54		
Arsenic	ND	0.10	mg/L	SW846 6010B	01/02-01/04/02	EQT751AJ
		Dilution Factor: 1		Analysis Time..: 16:54		
Barium	0.012 B	0.10	mg/L	SW846 6010B	01/02-01/04/02	EQT751AK
		Dilution Factor: 1		Analysis Time..: 16:54		
Cadmium	0.0037 B,J	0.050	mg/L	SW846 6010B	01/02-01/04/02	EQT751AL
		Dilution Factor: 1		Analysis Time..: 16:54		
Chromium	0.0066 B	0.10	mg/L	SW846 6010B	01/02-01/04/02	EQT751AM
		Dilution Factor: 1		Analysis Time..: 16:54		
Lead	0.0032 B,J	0.030	mg/L	SW846 6010B	01/02-01/04/02	EQT751AN
		Dilution Factor: 1		Analysis Time..: 16:54		
Selenium	0.049 B	0.050	mg/L	SW846 6010B	01/02-01/04/02	EQT751AP
		Dilution Factor: 1		Analysis Time..: 16:54		

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

CONOCO INC.

Client Sample ID: GRAMMA RIDGE #1

General Chemistry

Lot-Sample #...: D1L200203-009 Work Order #...: EQT75 Matrix.....: WATER
Date Sampled...: 12/14/01 09:49 Date Received..: 12/19/01

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH	4.9	0.10	No Units	MCAWW 150.1	12/21/01	1355543
		Dilution Factor: 1		Analysis Time..: 12:00		
Flashpoint	>160	--	deg F	SW846 1010	01/04/02	2004268
		Dilution Factor: 1		Analysis Time..: 12:00		
Reactive Cyanide	ND	1.0	mg/L	SW846 7.3.3	12/27-12/28/01	1362371
		Dilution Factor: 1		Analysis Time..: 12:00		
Reactive Sulfide	9.6 B,J	50.0	mg/L	SW846 7.3.4	12/28/01	1361422
		Dilution Factor: 1		Analysis Time..: 12:00		

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Hobbs, NM 88241-1980
District II - (505) 748-1283
811 S. First
Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Road
Aztec, NM 87410
District IV - (505) 827-7131

Energy Minerals and Natural Resources Department
Oil Conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

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Environmental Bureau
Oil Conservation Division

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REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☒	4. Generator Conoco Inc.
Verbal Approval Received: Yes ☐ No ☐	5. Originating Site Parabo
2. Management Facility Destination SUNDANCE SERVICES INC.	6. Transporter Key
3. Address of Facility Operator P.O. BOX 1737 Eunice NM 88231	8. State NEW MEXICO
7. Location of Material (Street Address or ULSTR) Sec 10	29E 23S

9. Circle One:

A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from Generator; one certificate per job.

(B.) All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous listing or testing will be approved.

All transporters must certify the wastes delivered are only those consigned for transport.

BRIEF DESCRIPTION OF MATERIAL:

Attached are analytical results for compressor station for Conoco Inc. I have included a chain of custody and certificate of waste status. Sundance would like approval to accept this material into our Parabo Facility.

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

SIGNATURE: Donna Roach Waste Management Facility Authorized Agent TITLE: OFFICE MGR DATE: _____

TYPE OR PRINT NAME: DONNA L. ROACH TELEPHONE NO. 505-394-2511

(This space for State Use)

APPROVED BY: _____ TITLE: ENVIRONMENTAL ENGINEER DATE: 2-19-02

APPROVED BY: _____ TITLE: Environmental Geologist DATE: 2-25-02

02-25-5

Chain of Custody Record

STL Denver
4955 Yarrow Street
Arvada, CO 80002

2-957 ks 12/18/01

SEVERN TRENT SERVICES — Severn Trent Laboratories, Inc.

STL-4124 (1200) DEN (0900)

Client	Project Manager	Date	Chain of Custody Number
Maxim Technologies	Dan Erskine	12/17/01	092658
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 2 of 2**
10601 Lomas			
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	
Albuquerque / NM / 87112			
Project Name and Location (State)	**Carrier/Waybill Number**		
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis (Attach list if more space is needed)
Gramma Ridge #1	12/14	949					4-16oz						
Gramma Ridge #2		1000											
Pure Gold		1051											
Pardue		1135											
Cedar Canyon		1229											
Ramsey		1348											
Malaga		1429											

Special Instructions/ Conditions of Receipt

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

Sample Disposal
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 3 months)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☒ Other Standard

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: Daniel W. Erskine	12/17	1130	1. Received By: Brown	12/18/01	0845
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

White - Returned to Client with Sample; CANARY - Returned to Client with Report; PINK - Field Copy

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

COMPANY /GENERATOR CONOCO INC. (CG&P)

ADDRESS 921 W.SANGER HOBBS,NM 88240

GENERATING SITE Pardue

GENERATING PROCESS ENGINE /COMPRESSOR OPERATION

REMARKS

NMOCD FACILITY SUNDANCE SERVICES INC.

TRUCKING COMPANY HUGHES TRKING / STEVE CARTER TRKING/ KEY SERVICES

As a condition of acceptance for disposal, I hereby certify that his waste is a non-exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory determinations. 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 Mark Bishop
SIGNATURE

NAME MARK BISHOP
PRINTED

ADDRESS 921 W. SANGER

HOBBS, NM 88240

DATE 2-14-02

CONOCO INC.

Client Sample ID: PARDUE

TCLP GC/MS Volatiles

Lot-Sample #...: D1L200203-012	Work Order #...: EQT8A1AG	Matrix.....: WATER
Date Sampled...: 12/14/01 11:35	Date Received..: 12/19/01	
Leach Date.....: 12/26/01	Prep Date.....: 01/07/02	Analysis Date..: 01/07/02
Leach Batch #..: P136104	Prep Batch #...: 2008375	Analysis Time..: 21:29
Dilution Factor: 5		
	Method.....: SW846 8260B	

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	**0.021 J**	**0.050**	**mg/L**
2-Butanone	ND	0.25	mg/L
Carbon tetrachloride	ND	0.050	mg/L
Chlorobenzene	ND	0.050	mg/L
Chloroform	ND	0.050	mg/L
1,2-Dichloroethane	ND	0.050	mg/L
1,1-Dichloroethene	ND	0.050	mg/L
Tetrachloroethene	ND	0.050	mg/L
Trichloroethene	ND	0.050	mg/L
Vinyl chloride	ND	0.10	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	108	(80 - 120)
1,2-Dichloroethane-d4	117	(72 - 127)
4-Bromofluorobenzene	96	(79 - 119)
Toluene-d8	101	(79 - 119)

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

J Estimated result. Result is less than RL.

CONOCO INC.

Client Sample ID: PARDUE

TCLP GC/MS Semivolatiles

Lot-Sample #...: D1L200203-012 Work Order #...: EQT8A1AF Matrix.....: WATER
Date Sampled...: 12/14/01 11:35 Date Received..: 12/19/01
Leach Date.....: 12/26/01 Prep Date.....: 12/27/01 Analysis Date..: 01/03/02
Leach Batch #..: P136102 Prep Batch #...: 1361363 Analysis Time..: 20:03
Dilution Factor: 1
Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
1,4-Dichlorobenzene	ND	0.10	mg/L
2,4-Dinitrotoluene	ND	0.10	mg/L
Hexachlorobenzene	ND	0.10	mg/L
Hexachlorobutadiene	ND	0.10	mg/L
Hexachloroethane	ND	0.10	mg/L
2-Methylphenol	ND	0.10	mg/L
Nitrobenzene	ND	0.10	mg/L
Pentachlorophenol	ND	0.50	mg/L
Pyridine	ND	0.20	mg/L
2,4,5-Trichlorophenol	ND	0.10	mg/L
2,4,6-Trichlorophenol	ND	0.10	mg/L
3-Methylphenol & 4-Methylphenol	ND	0.10	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	67	(38 - 91)
Phenol-d5	59	(37 - 94)
Nitrobenzene-d5	82	(41 - 107)
2-Fluorobiphenyl	71	(33 - 99)
2,4,6-Tribromophenol	81	(40 - 110)
Terphenyl-d14	69	(47 - 107)

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

CONOCO INC.

Client Sample ID: PARDUE

TCLP Metals

Lot-Sample #...: D1L200203-012 **Matrix.....:** WATER
Date Sampled...: 12/14/01 11:35 **Date Received..:** 12/19/01
Leach Date.....: 12/26/01 **Leach Batch #..:** P136102

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1361323						
Mercury	ND	0.0020	mg/L	SW846 7470A	01/01/02	EQT8A1AQ
		Dilution Factor: 1		Analysis Time..: 21:55		
Prep Batch #...: 1361448						
Silver	ND	0.10	mg/L	SW846 6010B	01/02-01/04/02	EQT8A1AH
		Dilution Factor: 1		Analysis Time..: 17:20		
Arsenic	ND	0.10	mg/L	SW846 6010B	01/02-01/04/02	EQT8A1AJ
		Dilution Factor: 1		Analysis Time..: 17:20		
Barium	0.062 B	0.10	mg/L	SW846 6010B	01/02-01/04/02	EQT8A1AK
		Dilution Factor: 1		Analysis Time..: 17:20		
Cadmium	0.013 B,J	0.050	mg/L	SW846 6010B	01/02-01/04/02	EQT8A1AL
		Dilution Factor: 1		Analysis Time..: 17:20		
Chromium	0.023 B	0.10	mg/L	SW846 6010B	01/02-01/04/02	EQT8A1AM
		Dilution Factor: 1		Analysis Time..: 17:20		
Lead	0.011 B,J	0.030	mg/L	SW846 6010B	01/02-01/04/02	EQT8A1AN
		Dilution Factor: 1		Analysis Time..: 17:20		
Selenium	0.15	0.050	mg/L	SW846 6010B	01/02-01/04/02	EQT8A1AP
		Dilution Factor: 1		Analysis Time..: 17:20		

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

CONOCO INC.

Client Sample ID: PARDUE

General Chemistry

Lot-Sample #...: D1L200203-012 Work Order #...: EQT8A Matrix.....: WATER
Date Sampled...: 12/14/01 11:35 Date Received..: 12/19/01

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH	5.2	0.10	No Units	MCAWW 150.1	12/21/01	1355543
		Dilution Factor: 1		Analysis Time..: 12:00		
Flashpoint	>160	--	deg F	SW846 1010	01/04/02	2004268
		Dilution Factor: 1		Analysis Time..: 12:00		
Reactive Cyanide	ND	1.0	mg/L	SW846 7.3.3	12/27-12/28/01	1362371
		Dilution Factor: 1		Analysis Time..: 12:00		
Reactive Sulfide	10.4 B,J	50.0	mg/L	SW846 7.3.4	12/28/01	1361422
		Dilution Factor: 1		Analysis Time..: 12:00		

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Hobbs, NM 88241-1980
District II - (505) 748-1283
811 S. First
Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Road
Aztec, NM 87410
District IV - (505) 827-7131

Energy Minerals and Natural Resources Department
Oil Conservation Division
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Santa Fe, New Mexico 87505
(505) 827-7131

RECEIVED
FEB 25 2002
Environmental Bureau
Oil Conservation Division

Originated

Submit
Plus
to app
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REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☒	4. Generator Conoco Inc.
Verbal Approval Received: Yes ☐ No ☐	5. Originating Site Pure Gold
2. Management Facility Destination SUNDANCE SERVICES INC.	6. Transporter Key
3. Address of Facility Operator P.O. BOX 1737 Eunice NM 88231	8. State NEW MEXICO
7. Location of Material (Street Address or ULSTR) Sec 28	31E 235

9. Circle One:

A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from Generator; one certificate per job.

(B.) All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous listing or testing will be approved.

All transporters must certify the wastes delivered are only those consigned for transport.

BRIEF DESCRIPTION OF MATERIAL:

Attached are analytical results for compressor station for Conoco Inc. I have included a chain of custody and certificate of waste status. Sundance would like approval to accept this material into our Parabo Facility.

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

SIGNATURE: Donna Roach Waste Management Facility Authorized Agent TITLE: OFFICE MGR DATE: _____

TYPE OR PRINT NAME: DONNA L. ROACH TELEPHONE NO. 505-394-2511

(This space for State Use)

APPROVED BY: _____ TITLE: ENVIRONMENTAL ENGINEER DATE: 2-19-02

APPROVED BY: _____ TITLE: Environmental Geologist DATE: 2-25-02

Chain of Custody Record

STL Denver
4955 Yarrow Street
Arvada, CO 80002

2-957 ks 12/18/01

SEVERN TRENT SERVICES — Severn Trent Laboratories, Inc.

STL-4124 (1200) DEN (0900)

Client	Project Manager	Date	Chain of Custody Number
Maxim Technologies	Dan Erskine	12/17/01	092658
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 2 of 2**
10601 Lomas			
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	
Albuquerque / NM / 87112			
Project Name and Location (State)	**Carrier/Waybill Number**		
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis (Attach list if more space is needed)
Gramma Ridge #1	12/14	949					4 - 16 oz						
Gramma Ridge #2		1000											
Pure Gold		1051											
Pardue		1135											
Cedar Canyon		1229											
Ramsey		1348											
Malaga	↓	1429							↓				

Special Instructions/ Conditions of Receipt

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

Sample Disposal
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 3 months)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☒ Other Standard

QC Requirements (Specify)

1. Relinquished By	Date	Time	1. Received By	Date	Time
Daniel W. Erskine	12/17	1130	C Brown	12/18/01	0845
2. Relinquished By	Date	Time	2. Received By	Date	Time
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments

...with the Sample: CANARY - Returned to Client with Report; PINK - Field Copy

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

COMPANY /GENERATOR CONOCO INC. (CG&P)

ADDRESS 921 W.SANGER HOBBS,NM 88240

GENERATING SITE Pure Gold

GENERATING PROCESS ENGINE /COMPRESSOR OPERATION

REMARKS

NMOCD FACILITY SUNDANCE SERVICES INC.

TRUCKING COMPANY HUGHES TRKING / STEVE CARTER TRKING/ KEY SERVICES

As a condition of acceptance for disposal, I hereby certify that his waste is a non-exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory determinations. 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 Mark Bishop
SIGNATURE

NAME MARK BISHOP
PRINTED

ADDRESS 921 W. SANGER

HOBBS, NM 88240

DATE 2-14-02

CONOCO INC.

Client Sample ID: PURE GOLD

TCLP GC/MS Volatiles

Lot-Sample #...:	D1L200203-011	Work Order #...:	EQT781AG	Matrix.....:	WATER
Date Sampled...:	12/14/01 10:51	Date Received..:	12/19/01		
Leach Date.....:	12/26/01	Prep Date.....:	01/07/02	Analysis Date..:	01/07/02
Leach Batch #..:	P136104	Prep Batch #...:	2008375	Analysis Time..:	21:05
Dilution Factor:	1				
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	**0.23**	**0.010**	**mg/L**
2-Butanone	ND	0.050	mg/L
Carbon tetrachloride	ND	0.010	mg/L
Chlorobenzene	ND	0.010	mg/L
Chloroform	ND	0.010	mg/L
1,2-Dichloroethane	ND	0.010	mg/L
1,1-Dichloroethene	ND	0.010	mg/L
Tetrachloroethene	ND	0.010	mg/L
Trichloroethene	ND	0.010	mg/L
Vinyl chloride	ND	0.020	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	107	(80 - 120)
1,2-Dichloroethane-d4	118	(72 - 127)
4-Bromofluorobenzene	97	(79 - 119)
Toluene-d8	101	(79 - 119)

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

CONOCO INC.

Client Sample ID: PURE GOLD

TCLP GC/MS Semivolatiles

Lot-Sample #...: D1L200203-011 Work Order #...: EQT781AF Matrix.....: WATER
Date Sampled...: 12/14/01 10:51 Date Received..: 12/19/01
Leach Date.....: 12/26/01 Prep Date.....: 12/27/01 Analysis Date..: 01/03/02
Leach Batch #..: P136102 Prep Batch #...: 1361363 Analysis Time..: 21:39
Dilution Factor: 1
Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
1,4-Dichlorobenzene	ND	0.10	mg/L
2,4-Dinitrotoluene	ND	0.10	mg/L
Hexachlorobenzene	ND	0.10	mg/L
Hexachlorobutadiene	ND	0.10	mg/L
Hexachloroethane	ND	0.10	mg/L
2-Methylphenol	ND	0.10	mg/L
Nitrobenzene	ND	0.10	mg/L
Pentachlorophenol	ND	0.50	mg/L
Pyridine	ND	0.20	mg/L
2,4,5-Trichlorophenol	ND	0.10	mg/L
2,4,6-Trichlorophenol	ND	0.10	mg/L
3-Methylphenol & 4-Methylphenol	ND	0.10	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	56	(38 - 91)
Phenol-d5	3.4 *	(37 - 94)
Nitrobenzene-d5	90	(41 - 107)
2-Fluorobiphenyl	133 *	(33 - 99)
2,4,6-Tribromophenol	80	(40 - 110)
Terphenyl-d14	116 *	(47 - 107)

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

* Surrogate recovery is outside stated control limits.

CONOCO INC.

Client Sample ID: PURE GOLD

TCLP Metals

Lot-Sample #...: D1L200203-011 Matrix.....: WATER
Date Sampled...: 12/14/01 10:51 Date Received..: 12/19/01
Leach Date.....: 12/26/01 Leach Batch #..: P136102

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1361323						
Mercury	ND	0.0020	mg/L	SW846 7470A	01/01/02	EQT781AQ
		Dilution Factor: 1		Analysis Time..: 21:53		
Prep Batch #...: 1361448						
Silver	ND	0.10	mg/L	SW846 6010B	01/02-01/04/02	EQT781AH
		Dilution Factor: 1		Analysis Time..: 17:04		
Arsenic	ND	0.10	mg/L	SW846 6010B	01/02-01/04/02	EQT781AJ
		Dilution Factor: 1		Analysis Time..: 17:04		
Barium	0.014 B	0.10	mg/L	SW846 6010B	01/02-01/04/02	EQT781AK
		Dilution Factor: 1		Analysis Time..: 17:04		
Cadmium	0.013 B,J	0.050	mg/L	SW846 6010B	01/02-01/04/02	EQT781AL
		Dilution Factor: 1		Analysis Time..: 17:04		
Chromium	0.011 B	0.10	mg/L	SW846 6010B	01/02-01/04/02	EQT781AM
		Dilution Factor: 1		Analysis Time..: 17:04		
Lead	0.013 B,J	0.030	mg/L	SW846 6010B	01/02-01/04/02	EQT781AN
		Dilution Factor: 1		Analysis Time..: 17:04		
Selenium	0.11	0.050	mg/L	SW846 6010B	01/02-01/04/02	EQT781AP
		Dilution Factor: 1		Analysis Time..: 17:04		

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

CONOCO INC.

Client Sample ID: PURE GOLD

General Chemistry

Lot-Sample #...: D1L200203-011 Work Order #...: EQT78 Matrix.....: WATER
Date Sampled...: 12/14/01 10:51 Date Received..: 12/19/01

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH	7.0	0.10	No Units	MCAWW 150.1	12/21/01	1355543
		Dilution Factor: 1		Analysis Time..: 12:00		
Flashpoint	>160	--	deg F	SW846 1010	01/04/02	2004268
		Dilution Factor: 1		Analysis Time..: 12:00		
Reactive Cyanide	ND	1.0	mg/L	SW846 7.3.3	12/27-12/28/01	1362371
		Dilution Factor: 1		Analysis Time..: 12:00		
Reactive Sulfide	3.2 B,J	50.0	mg/L	SW846 7.3.4	12/28/01	1361422
		Dilution Factor: 1		Analysis Time..: 12:00		

NOTE(S):

RL Reporting Limit

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Hobbs, NM 88241-1980
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Energy Minerals and Natural Resources Department
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REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

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Verbal Approval Received: Yes ☐ No ☐	5. Originating Site Chavez
2. Management Facility Destination SUNDANCE SERVICES INC.	6. Transporter Key
3. Address of Facility Operator P.O. BOX 1737 Eunice NM 88231	8. State NEW MEXICO
7. Location of Material (Street Address or ULSTR) S16 T30E R15S	

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

SIGNATURE: Donna Roach Waste Management Facility Authorized Agent TITLE: OFFICE MGR DATE: _____

TYPE OR PRINT NAME: DONNA L. ROACH TELEPHONE NO. 505-394-2511

(This space for State Use)

APPROVED BY: _____ TITLE: ENVIRONMENTAL ENGINEER DATE: 2-19-02

APPROVED BY: _____ TITLE: Environmental Geologist DATE: 2-25-02

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

COMPANY /GENERATOR CONOCO INC. (CG&P)

ADDRESS 921 W.SANGER HOBBS,NM 88240

GENERATING SITE Chavez

GENERATING PROCESS ENGINE /COMPRESSOR OPERATION

REMARKS

NMOCD FACILITY SUNDANCE SERVICES INC.

TRUCKING COMPANY HUGHES TRKING / STEVE CARTER TRKING/ KEY SERVICES

As a condition of acceptance for disposal, I hereby certify that his waste is a non-exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory determinations. 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 Mark Bishop
SIGNATURE

NAME MARK BISHOP
PRINTED

ADDRESS 921 W. SANGER

HOBBS, NM 88240

DATE 2-14-02

Chain of Custody Record

STL Denver
4955 Yarrow Street
Arvada, CO 80002

SEVERN TRENT SERVICES — Severn Trent Laboratories, Inc.

STL-4124 (1200) DEN (0900)

Client	Project Manager	Date	Chain of Custody Number
Maxim Technologies	Dan Erskine	12/17/01	088311
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 1 of 2**
10601 Lomas NE Ste 106	505-237-8440/505-237-8656		
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	**Analysis (Attach list if more space is needed)**
Albuquerque / NM / 87112	Dan Erskine		
Project Name and Location (State)	**Carrier/Waybill Number**		
Conoco Oily Waste			
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed	Soil	Containers & Preservatives: Unpres	H_2SO_4	HNO3	HCl	NaOH	ZnAc/NaOH
Kinmitz	12/14	934						2/16 oz				
								4/8 oz				
Skelly	12/14	1038						2-16 oz				
								4-8 oz				
West Turkey Track	12/14	1309						2-16 oz				
								4-8 oz				
Turkey Track	12/14	1403						1-16 oz				
								2-8 oz				
Zia Booster	12/14	1535						2-8 oz				
Chavez	12/14	1629						2-16 oz				
								4-8 oz				

Special Instructions/ Conditions of Receipt

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

Sample Disposal
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months
(A fee may be assessed if samples are retained longer than 3 months)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☒ Other Standard

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: Daniel W. Erskine	12/17	1130	1. Received By: C Brown	12/18/01	0845
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

White with the Sample: CANARY - Returned to Client with Report; PINK - Field Copy

CONOCO INC.

Client Sample ID: CHAVEZ

TCLP GC/MS Volatiles

Lot-Sample #...:	D1L200203-008	Work Order #...:	EQT731AG	Matrix.....:	WATER
Date Sampled...:	12/14/01 09:34	Date Received..:	12/19/01		
Leach Date.....:	12/26/01	Prep Date.....:	01/07/02	Analysis Date..:	01/07/02
Leach Batch #..:	P136104	Prep Batch #...:	2008375	Analysis Time..:	19:55
Dilution Factor:	1				
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	0.0068 J	0.010	mg/L
2-Butanone	0.11	0.050	mg/L
Carbon tetrachloride	ND	0.010	mg/L
Chlorobenzene	ND	0.010	mg/L
Chloroform	ND	0.010	mg/L
1,2-Dichloroethane	ND	0.010	mg/L
1,1-Dichloroethene	ND	0.010	mg/L
Tetrachloroethene	ND	0.010	mg/L
Trichloroethene	ND	0.010	mg/L
Vinyl chloride	ND	0.020	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	106	(80 - 120)
1,2-Dichloroethane-d4	112	(72 - 127)
4-Bromofluorobenzene	97	(79 - 119)
Toluene-d8	102	(79 - 119)

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

J Estimated result. Result is less than RL.

CONOCO INC.

Client Sample ID: CHAVEZ

TCLP GC/MS Semivolatiles

Lot-Sample #...: D1L200203-008 Work Order #...: EQT731AF Matrix.....: WATER
Date Sampled...: 12/14/01 09:34 Date Received..: 12/19/01
Leach Date.....: 12/26/01 Prep Date.....: 12/27/01 Analysis Date..: 01/02/02
Leach Batch #..: P136102 Prep Batch #...: 1361363 Analysis Time..: 17:32
Dilution Factor: 1
Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
1,4-Dichlorobenzene	ND	0.10	mg/L
2,4-Dinitrotoluene	ND	0.10	mg/L
Hexachlorobenzene	ND	0.10	mg/L
Hexachlorobutadiene	ND	0.10	mg/L
Hexachloroethane	ND	0.10	mg/L
2-Methylphenol	ND	0.10	mg/L
Nitrobenzene	ND	0.10	mg/L
Pentachlorophenol	ND	0.50	mg/L
Pyridine	ND	0.20	mg/L
2,4,5-Trichloro-phenol	ND	0.10	mg/L
2,4,6-Trichloro-phenol	ND	0.10	mg/L
3-Methylphenol & 4-Methylphenol	ND	0.10	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	63	(38 - 91)
Phenol-d5	42	(37 - 94)
Nitrobenzene-d5	78	(41 - 107)
2-Fluorobiphenyl	70	(33 - 99)
2,4,6-Tribromophenol	81	(40 - 110)
Terphenyl-d14	67	(47 - 107)

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

CONOCO INC.

Client Sample ID: CHAVEZ

TCLP Metals

Lot-Sample #...: D1L200203-008 Matrix.....: WATER
Date Sampled...: 12/14/01 09:34 Date Received..: 12/19/01
Leach Date.....: 12/26/01 Leach Batch #..: P136102

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1361323						
Mercury	ND	0.0020	mg/L	SW846 7470A	01/01/02	EQT731AQ
		Dilution Factor: 1		Analysis Time..: 21:45		
Prep Batch #...: 1361448						
Silver	ND	0.10	mg/L	SW846 6010B	01/02-01/04/02	EQT731AH
		Dilution Factor: 1		Analysis Time..: 16:48		
Arsenic	ND	0.10	mg/L	SW846 6010B	01/02-01/04/02	EQT731AJ
		Dilution Factor: 1		Analysis Time..: 16:48		
Barium	0.024 B	0.10	mg/L	SW846 6010B	01/02-01/04/02	EQT731AK
		Dilution Factor: 1		Analysis Time..: 16:48		
Cadmium	0.0086 B,J	0.050	mg/L	SW846 6010B	01/02-01/04/02	EQT731AL
		Dilution Factor: 1		Analysis Time..: 16:48		
Chromium	0.092 B	0.10	mg/L	SW846 6010B	01/02-01/04/02	EQT731AM
		Dilution Factor: 1		Analysis Time..: 16:48		
Lead	0.13 J	0.060	mg/L	SW846 6010B	01/02-01/07/02	EQT731AN
		Dilution Factor: 2		Analysis Time..: 11:08		
Selenium	0.21	0.050	mg/L	SW846 6010B	01/02-01/04/02	EQT731AP
		Dilution Factor: 1		Analysis Time..: 16:48		

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

CONOCO INC.

Client Sample ID: CHAVEZ

General Chemistry

Lot-Sample #...: D1L200203-008 Work Order #...: EQT73 Matrix.....: WATER
Date Sampled...: 12/14/01 09:34 Date Received..: 12/19/01

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH	6.4	0.10	No Units	MCAWW 150.1	12/21/01	1355543
		Dilution Factor: 1		Analysis Time..: 12:00		
Flashpoint	>160	--	deg F	SW846 1010	01/04/02	2004268
		Dilution Factor: 1		Analysis Time..: 12:00		
Reactive Cyanide	ND	1.0	mg/L	SW846 7.3.3	12/27-12/28/01	1362371
		Dilution Factor: 1		Analysis Time..: 12:00		
Reactive Sulfide	10.4 B,J	50.0	mg/L	SW846 7.3.4	12/28/01	1361422
		Dilution Factor: 1		Analysis Time..: 12:00		

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Hobbs, NM 88241-1980
District II - (505) 748-1283
811 S. First
Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Road
Aztec, NM 87410
District IV - (505) 827-7131

Energy Minerals and Natural Resources Department
Oil Conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

RECEIVED
FEB 25 2002
Environmental Bureau
Oil Conservation Division

Originate

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to app
Distri

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☒	4. Generator Conoco Inc.
Verbal Approval Received: Yes ☐ No ☐	5. Originating Site West Turkey Track
2. Management Facility Destination SUNDANCE SERVICES INC.	6. Transporter Key
3. Address of Facility Operator P.O. BOX 1737 Eunice NM 88231	8. State NEW MEXICO
7. Location of Material (Street Address or ULSTR) S6 R30E T19S	

9. Circle One:

A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from Generator; one certificate per job.

(B.) All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous listing or testing will be approved.

All transporters must certify the wastes delivered are only those consigned for transport.

BRIEF DESCRIPTION OF MATERIAL:

Attached are analytical results for compressor station for Conoco Inc. I have included a chain of custody and certificate of waste status. Sundance would like approval to accept this material into our Parabo Facility.

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

SIGNATURE: Donna Roach (Waste Management Facility Authorized Agent) TITLE: OFFICE MGR DATE: _____

TYPE OR PRINT NAME: DONNA L. ROACH TELEPHONE NO. 505-394-2511

(This space for State Use)

APPROVED BY: _____ TITLE: Environmental Eng DATE: 2-19-02

APPROVED BY: Martyn J. Kelly TITLE: Environmental Geologist DATE: 2-25-02

1

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

COMPANY /GENERATOR CONOCO INC. (CG&P)

ADDRESS 921 W.SANGER HOBBS,NM 88240

GENERATING SITE West Turkey Track

GENERATING PROCESS ENGINE /COMPRESSOR OPERATION

REMARKS

NMOCD FACILITY SUNDANCE SERVICES INC.

TRUCKING COMPANY HUGHES TRKING / STEVE CARTER TRKING/ KEY SERVICES

As a condition of acceptance for disposal, I hereby certify that his waste is a non-exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory determinations. 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 Mark Bishop
SIGNATURE

NAME MARK BISHOP
PRINTED

ADDRESS 921 W. SANGER

HOBBS, NM 88240

DATE 2-14-02

[redacted]

Chain of Custody Record

STL Denver
4955 Yarrow Street
Arvada, CO 80002

SEVERN TRENT SERVICES — Severn Trent Laboratories, Inc.

STL-4124 (1200) DEN (0900)

Client	Project Manager	Date	Chain of Custody Number
Maxim Technologies	Dan Erskine	12/17/01	088311
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page** 1 of 2
10601 Lomas NE Ste 106	505-237-8440/505-237-8656		
City / State / Zip Code	**Site Contact**	**Lab Contact**	**Analysis (Attach list if more space is needed)**
Albuquerque / NM / 87112	Dan Erskine		
Project Name and Location (State)	**Carrier/Waybill Number**		
Conoco Oily Waste			
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H_2SO_4	HNO3	HCl	NaOH	ZnAc/NaOH
Kinmitz	12/14	934					2	16 oz				
							4	8 oz				
Skelly	12/14	1038					2	16 oz				
							4	8 oz				
West Turkey Track	12/14	1309					2	16 oz				
							4	8 oz				
Turkey Track	12/14	1403					1	16 oz				
							2	8 oz				
Zia Booster	12/14	1535					2	8 oz				
Chavez	12/14	1629					2	16 oz				
							4	8 oz				

Special Instructions/ Conditions of Receipt

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

Sample Disposal
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 3 months)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☒ Other Standard

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: Daniel W. Erskine	12/17	1130	1. Received By: [signature]	12/18/01	0845
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

White - Stays with the Sample; CANARY - Returned to Client with Report; PINK - Field Copy

CONOCO INC.

Client Sample ID: WEST TURKEY TRACK

TCLP GC/MS Volatiles

Lot-Sample #...: D1L200203-004	Work Order #...: EQT7L1AC	Matrix.....: WATER
Date Sampled...: 12/14/01 13:09	Date Received..: 12/19/01	
Leach Date.....: 12/26/01	Prep Date.....: 01/07/02	Analysis Date..: 01/07/02
Leach Batch #..: P136104	Prep Batch #...: 2008375	Analysis Time..: 19:09
Dilution Factor: 1		
	Method.....: SW846 8260B	

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	0.0054 J	0.010	mg/L
2-Butanone	0.25	0.050	mg/L
Carbon tetrachloride	ND	0.010	mg/L
Chlorobenzene	ND	0.010	mg/L
Chloroform	ND	0.010	mg/L
1,2-Dichloroethane	ND	0.010	mg/L
1,1-Dichloroethene	ND	0.010	mg/L
Tetrachloroethene	ND	0.010	mg/L
Trichloroethene	ND	0.010	mg/L
Vinyl chloride	ND	0.020	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	105	(80 - 120)
1,2-Dichloroethane-d4	109	(72 - 127)
4-Bromofluorobenzene	97	(79 - 119)
Toluene-d8	101	(79 - 119)

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

J Estimated result. Result is less than RL.

CONOCO INC.

Client Sample ID: WEST TURKEY TRACK

TCLP GC/MS Semivolatiles

Lot-Sample #...: D1L200203-004 Work Order #...: EQT7L1AA Matrix.....: WATER
Date Sampled...: 12/14/01 13:09 Date Received..: 12/19/01
Leach Date.....: 12/26/01 Prep Date.....: 12/27/01 Analysis Date..: 01/02/02
Leach Batch #..: P136102 Prep Batch #...: 1361363 Analysis Time..: 16:43
Dilution Factor: 1
Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
1,4-Dichlorobenzene	ND	0.10	mg/L
2,4-Dinitrotoluene	ND	0.10	mg/L
Hexachlorobenzene	ND	0.10	mg/L
Hexachlorobutadiene	ND	0.10	mg/L
Hexachloroethane	ND	0.10	mg/L
2-Methylphenol	ND	0.10	mg/L
Nitrobenzene	ND	0.10	mg/L
Pentachlorophenol	ND	0.50	mg/L
Pyridine	ND	0.20	mg/L
2,4,5-Trichloro-phenol	ND	0.10	mg/L
2,4,6-Trichloro-phenol	ND	0.10	mg/L
3-Methylphenol & 4-Methylphenol	ND	0.10	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	80	(38 - 91)
Phenol-d5	83	(37 - 94)
Nitrobenzene-d5	85	(41 - 107)
2-Fluorobiphenyl	70	(33 - 99)
2,4,6-Tribromophenol	85	(40 - 110)
Terphenyl-d14	77	(47 - 107)

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

CONOCO INC.

Client Sample ID: WEST TURKEY TRACK

TCLP Metals

Lot-Sample #...: D1L200203-004 Matrix.....: WATER
Date Sampled...: 12/14/01 13:09 Date Received..: 12/19/01
Leach Date.....: 12/26/01 Leach Batch #..: P136102

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1361323						
Mercury	ND	0.0020	mg/L	SW846 7470A	01/01/02	EQT7L1AL
		Dilution Factor: 1		Analysis Time..: 21:41		
Prep Batch #...: 1361448						
Silver	ND	0.10	mg/L	SW846 6010B	01/02-01/04/02	EQT7L1AD
		Dilution Factor: 1		Analysis Time..: 16:38		
Arsenic	ND	0.10	mg/L	SW846 6010B	01/02-01/04/02	EQT7L1AE
		Dilution Factor: 1		Analysis Time..: 16:38		
Barium	0.043 B	0.10	mg/L	SW846 6010B	01/02-01/04/02	EQT7L1AF
		Dilution Factor: 1		Analysis Time..: 16:38		
Cadmium	0.0012 B,J	0.050	mg/L	SW846 6010B	01/02-01/04/02	EQT7L1AG
		Dilution Factor: 1		Analysis Time..: 16:38		
Chromium	ND	0.10	mg/L	SW846 6010B	01/02-01/04/02	EQT7L1AH
		Dilution Factor: 1		Analysis Time..: 16:38		
Lead	0.038 J	0.030	mg/L	SW846 6010B	01/02-01/04/02	EQT7L1AJ
		Dilution Factor: 1		Analysis Time..: 16:38		
Selenium	0.44	0.050	mg/L	SW846 6010B	01/02-01/04/02	EQT7L1AK
		Dilution Factor: 1		Analysis Time..: 16:38		

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

CONOCO INC.

Client Sample ID: WEST TURKEY TRACK

General Chemistry

Lot-Sample #...: D1L200203-004 Work Order #...: EQT7L Matrix.....: WATER
Date Sampled...: 12/14/01 13:09 Date Received..: 12/19/01

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH	6.8	0.10	No Units	MCAWW 150.1	12/21/01	1355543
		Dilution Factor: 1		Analysis Time..: 12:00		
Flashpoint	>160	--	deg F	SW846 1010	01/04/02	2004268
		Dilution Factor: 1		Analysis Time..: 12:00		
Reactive Cyanide	ND	1.0	mg/L	SW846 7.3.3	12/27-12/28/01	1362371
		Dilution Factor: 1		Analysis Time..: 12:00		
Reactive Sulfide	16.8 B,J	50.0	mg/L	SW846 7.3.4	12/28/01	1361422
		Dilution Factor: 1		Analysis Time..: 12:00		

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Hobbs, NM 88241-1980
District II - (505) 748-1283
811 S. First
Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Road
Aztec, NM 87410
District IV - (505) 827-7131

Energy Minerals and Natural Resources Department
Oil Conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

RECEIVED
FEB 25 2002
Environmental Bureau
Oil Conservation Division

Originated

Submit
Plus
to app
Distric

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☒	4. Generator Conoco Inc.
Verbal Approval Received: Yes ☐ No ☐	5. Originating Site Gamma Ridge #2
2. Management Facility Destination SUNDANCE SERVICES INC.	6. Transporter Key
3. Address of Facility Operator P.O. BOX 1737 Eunice NM 88231	8. State NEW MEXICO
7. Location of Material (Street Address or ULSTR) S34 T24E R22S	

9. Circle One:

A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from Generator; one certificate per job.

(B.) All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous listing or testing will be approved.

All transporters must certify the wastes delivered are only those consigned for transport.

BRIEF DESCRIPTION OF MATERIAL:

Attached are analytical results for compressor station for Conoco Inc. I have included a chain of custody and certificate of waste status. Sundance would like approval to accept this material into our Parabo Facility.

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

SIGNATURE: Donna Roach Waste Management Facility Authorized Agent TITLE: OFFICE MGR DATE: _____

TYPE OR PRINT NAME: DONNA L. ROACH TELEPHONE NO. 505-394-2511

(This space for State Use)

APPROVED BY: _____ TITLE: _____ DATE: _____

APPROVED BY: Martyn J Kitz TITLE: Environmental Geologist DATE: 2-25-02

4-20629

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

COMPANY /GENERATOR CONOCO INC. (CG&P)

ADDRESS 921 W.SANGER HOBBS,NM 88240

GENERATING SITE Gamma Ridge #2

GENERATING PROCESS ENGINE /COMPRESSOR OPERATION

REMARKS

NMOCD FACILITY SUNDANCE SERVICES INC.

TRUCKING COMPANY HUGHES TRKING / STEVE CARTER TRKING/ KEY SERVICES

As a condition of acceptance for disposal, I hereby certify that his waste is a non-exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory determinations. 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 Mark Bishop
SIGNATURE

NAME MARK BISHOP
PRINTED

ADDRESS 921 W. SANGER

HOBBS, NM 88240

DATE 2-14-02

Chain of Custody Record

STL Denver
4955 Yarrow Street
Arvada, CO 80002

2-95.7 to 12/18/01

SEVERN TRENT SERVICES — Severn Trent Laboratories, Inc.

STL-4124 (1200) DEN (0900)

Client	Project Manager	Date	Chain of Custody Number
Maxim Technologies	Dan Erskine	12/17/01	092658
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 2 of 2**
10601 Lomas			
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	
Albuquerque / NM / 87112			
Project Name and Location (State)	**Carrier/Waybill Number**		
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis (Attach list if more space is needed)
Gramma Ridge #1	12/17	949					4 - 16oz						
Gramma Ridge #2		1000											
Pure Gold		1051											
Pardue		1135											
Cedar Canyon		1229											
Ramsey		1348											
Malaga	↓	1429							↓				

Special Instructions/ Conditions of Receipt

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

Sample Disposal
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 3 months)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☒ Other Standard

QC Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: Daniel W. Erskine	12/17	1130	1. Received By: Brown	12/18/01	0845
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

... with the Sample: CANARY - Returned to Client with Report; PINK - Field Copy

CONOCO INC.

Client Sample ID: GRAMMA RIDGE #2

TCLP GC/MS Volatiles

Lot-Sample #...: D1L200203-010	Work Order #...: EQT771AG	Matrix.....: WATER
Date Sampled...: 12/14/01 10:00	Date Received..: 12/19/01	
Leach Date.....: 12/26/01	Prep Date.....: 01/07/02	Analysis Date..: 01/07/02
Leach Batch #..: P136104	Prep Batch #...: 2008375	Analysis Time..: 20:42
Dilution Factor: 2		
	Method.....: SW846 8260B	

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	**0.032**	**0.020**	**mg/L**
2-Butanone	ND	0.10	mg/L
Carbon tetrachloride	ND	0.020	mg/L
Chlorobenzene	ND	0.020	mg/L
Chloroform	ND	0.020	mg/L
1,2-Dichloroethane	ND	0.020	mg/L
1,1-Dichloroethene	ND	0.020	mg/L
Tetrachloroethene	ND	0.020	mg/L
Trichloroethene	ND	0.020	mg/L
Vinyl chloride	ND	0.040	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	107	(80 - 120)
1,2-Dichloroethane-d4	114	(72 - 127)
4-Bromofluorobenzene	97	(79 - 119)
Toluene-d8	101	(79 - 119)

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

CONOCO INC.

Client Sample ID: GRAMMA RIDGE #2

TCLP GC/MS Semivolatiles

Lot-Sample #...: D1L200203-010	Work Order #...: EQT771AF	Matrix.....: WATER
Date Sampled...: 12/14/01 10:00	Date Received..: 12/19/01	
Leach Date.....: 12/26/01	Prep Date.....: 12/27/01	Analysis Date..: 01/02/02
Leach Batch #..: P136102	Prep Batch #...: 1361363	Analysis Time..: 18:20
Dilution Factor: 1		
	Method.....: SW846 8270C	

PARAMETER	RESULT	REPORTING LIMIT	UNITS
1,4-Dichlorobenzene	ND	0.10	mg/L
2,4-Dinitrotoluene	ND	0.10	mg/L
Hexachlorobenzene	ND	0.10	mg/L
Hexachlorobutadiene	ND	0.10	mg/L
Hexachloroethane	ND	0.10	mg/L
2-Methylphenol	ND	0.10	mg/L
Nitrobenzene	ND	0.10	mg/L
Pentachlorophenol	ND	0.50	mg/L
Pyridine	ND	0.20	mg/L
2,4,5-Trichloro-phenol	ND	0.10	mg/L
2,4,6-Trichloro-phenol	ND	0.10	mg/L
3-Methylphenol & 4-Methylphenol	ND	0.10	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	78	(38 - 91)
Phenol-d5	28 *	(37 - 94)
Nitrobenzene-d5	80	(41 - 107)
2-Fluorobiphenyl	85	(33 - 99)
2,4,6-Tribromophenol	84	(40 - 110)
Terphenyl-d14	63	(47 - 107)

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

* Surrogate recovery is outside stated control limits.

CONOCO INC.

Client Sample ID: GRAMMA RIDGE #2

TCLP Metals

Lot-Sample #...: D1L200203-010 Matrix.....: WATER
Date Sampled...: 12/14/01 10:00 Date Received..: 12/19/01
Leach Date.....: 12/26/01 Leach Batch #..: P136102

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1361323						
Mercury	ND	0.0020	mg/L	SW846 7470A	01/01/02	EQT771AQ
		Dilution Factor: 1		Analysis Time..: 21:51		
Prep Batch #...: 1361448						
Silver	ND	0.10	mg/L	SW846 6010B	01/02-01/04/02	EQT771AH
		Dilution Factor: 1		Analysis Time..: 16:59		
Arsenic	0.0068 B	0.10	mg/L	SW846 6010B	01/02-01/04/02	EQT771AJ
		Dilution Factor: 1		Analysis Time..: 16:59		
Barium	0.014 B	0.10	mg/L	SW846 6010B	01/02-01/04/02	EQT771AK
		Dilution Factor: 1		Analysis Time..: 16:59		
Cadmium	0.00092 B,J	0.050	mg/L	SW846 6010B	01/02-01/04/02	EQT771AL
		Dilution Factor: 1		Analysis Time..: 16:59		
Chromium	0.0030 B	0.10	mg/L	SW846 6010B	01/02-01/04/02	EQT771AM
		Dilution Factor: 1		Analysis Time..: 16:59		
Lead	ND	0.030	mg/L	SW846 6010B	01/02-01/04/02	EQT771AN
		Dilution Factor: 1		Analysis Time..: 16:59		
Selenium	0.016 B	0.050	mg/L	SW846 6010B	01/02-01/04/02	EQT771AP
		Dilution Factor: 1		Analysis Time..: 16:59		

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

CONOCO INC.

Client Sample ID: GRAMMA RIDGE #2

General Chemistry

Lot-Sample #...: D1L200203-010 Work Order #...: EQT77 Matrix.....: WATER
Date Sampled...: 12/14/01 10:00 Date Received..: 12/19/01

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH	5.0	0.10	No Units	MCAWW 150.1	12/21/01	1355543
		Dilution Factor: 1		Analysis Time..: 12:00		
Flashpoint	>160	--	deg F	SW846 1010	01/04/02	2004268
		Dilution Factor: 1		Analysis Time..: 12:00		
Reactive Cyanide	ND	1.0	mg/L	SW846 7.3.3	12/27-12/28/01	1362371
		Dilution Factor: 1		Analysis Time..: 12:00		
Reactive Sulfide	8.8 B,J	50.0	mg/L	SW846 7.3.4	12/28/01	1361422
		Dilution Factor: 1		Analysis Time..: 12:00		

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Hobbs, NM 88241-1980
District II · (505) 748-1283
811 S. First
Artesia, NM 88210
District III · (505) 334-6178
1000 Rio Brazos Road
Aztec, NM 87410
District IV · (505) 827-7131

Energy Minerals and Natural Resources Department
Oil Conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

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Environmental Bureau
Oil Conservation Division

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to app
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REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☒	4. Generator Conoco Inc.
Verbal Approval Received: Yes ☐ No ☐	5. Originating Site Cedar Canyon
2. Management Facility Destination SUNDANCE SERVICES INC.	6. Transporter Key
3. Address of Facility Operator P.O. BOX 1737 Eunice NM 88231	8. State NEW MEXICO
7. Location of Material (Street Address or ULSTR) Sec 9	29E 24S

9. Circle One:

A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from Generator; one certificate per job.

(B.) All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous listing or testing will be approved.

All transporters must certify the wastes delivered are only those consigned for transport.

BRIEF DESCRIPTION OF MATERIAL:

Attached are analytical results for compressor station for Conoco Inc. I have included a chain of custody and certificate of waste status. Sundance would like approval to accept this material into our Parabo Facility.

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

SIGNATURE: Donna Roach Waste Management Facility Authorized Agent TITLE: OFFICE MGR DATE: _____

TYPE OR PRINT NAME: DONNA L. ROACH TELEPHONE NO. 505-394-2511

(This space for State Use)

APPROVED BY: _____ TITLE: ENVIRONMENTAL ENGINEER DATE: 2-19-02

APPROVED BY: _____ TITLE: Environmental Geologist DATE: 2-25-02

Chain of Custody Record

STL Denver
4955 Yarrow Street
Arvada, CO 80002

2-957 to 12/18/01

SEVERN TRENT SERVICES — Severn Trent Laboratories, Inc.

STL-4124 (1200) DEN (0900)

Client	Project Manager	Date	Chain of Custody Number
Maxim Technologies	Dan Erskine	12/17/01	092658
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 2 of 2**
10601 Lomas			
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	**Analysis (Attach list if more space is needed)**
Albuquerque / NM / 87112			
Project Name and Location (State)	**Carrier/Waybill Number**		
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H_2SO_4	HNO3	HCl	NaOH	ZnAc/NaOH
Gramma Ridge #1	12/17	949					4	-	16	oz		
Gramma Ridge #2		1000										
Pure Gold		1051										
Pardue		1135										
Cedar Canyon		1229										
Ramsey		1348										
Malaga		1429										

Special Instructions/ Conditions of Receipt

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

Sample Disposal
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 3 months)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☒ Other Standard

QC Requirements (Specify)

	Relinquished By	Date	Time	Received By	Date	Time
1.	Daniel W. Erskine	12/17	1130	[illegible]	12/18/01	0845
2.						
3.						

Comments

-

...with the Sample: CANARY - Returned to Client with Report; PINK - Field Copy

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

COMPANY /GENERATOR CONOCO INC. (CG&P)

ADDRESS 921 W.SANGER HOBBS,NM 88240

GENERATING SITE Cedar Canyon

GENERATING PROCESS ENGINE /COMPRESSOR OPERATION

REMARKS

NMOCD FACILITY SUNDANCE SERVICES INC.

TRUCKING COMPANY HUGHES TRKING / STEVE CARTER TRKING/ KEY SERVICES

As a condition of acceptance for disposal, I hereby certify that his waste is a non-exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory determinations. 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 Mark Bishop
SIGNATURE

NAME MARK BISHOP
PRINTED

ADDRESS 921 W. SANGER

HOBBS, NM 88240

DATE 2-14-02

CONOCO INC.

Client Sample ID: CEDAR CANYON

TCLP GC/MS Volatiles

Lot-Sample #...: D1L200203-013	Work Order #...: EQT8D1AG	Matrix.....: WATER
Date Sampled...: 12/14/01 12:29	Date Received..: 12/19/01	
Leach Date.....: 12/26/01	Prep Date.....: 01/07/02	Analysis Date..: 01/07/02
Leach Batch #..: P136104	Prep Batch #...: 2008375	Analysis Time..: 21:53
Dilution Factor: 1		
	Method.....: SW846 8260B	

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	**0.090**	**0.010**	**mg/L**
2-Butanone	**0.46**	**0.050**	**mg/L**
Carbon tetrachloride	ND	0.010	mg/L
Chlorobenzene	ND	0.010	mg/L
Chloroform	ND	0.010	mg/L
1,2-Dichloroethane	ND	0.010	mg/L
1,1-Dichloroethene	ND	0.010	mg/L
Tetrachloroethene	ND	0.010	mg/L
Trichloroethene	ND	0.010	mg/L
Vinyl chloride	ND	0.020	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	108	(80 - 120)
1,2-Dichloroethane-d4	117	(72 - 127)
4-Bromofluorobenzene	91	(79 - 119)
Toluene-d8	101	(79 - 119)

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

CONOCO INC.

Client Sample ID: CEDAR CANYON

TCLP GC/MS Semivolatiles

Lot-Sample #...: D1L200203-013 Work Order #...: EQT8D1AF Matrix.....: WATER
Date Sampled...: 12/14/01 12:29 Date Received..: 12/19/01
Leach Date.....: 12/26/01 Prep Date.....: 12/27/01 Analysis Date..: 01/03/02
Leach Batch #..: P136102 Prep Batch #...: 1361363 Analysis Time..: 20:27
Dilution Factor: 1
Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
1,4-Dichlorobenzene	ND	0.10	mg/L
2,4-Dinitrotoluene	ND	0.10	mg/L
Hexachlorobenzene	ND	0.10	mg/L
Hexachlorobutadiene	ND	0.10	mg/L
Hexachloroethane	ND	0.10	mg/L
2-Methylphenol	ND	0.10	mg/L
Nitrobenzene	ND	0.10	mg/L
Pentachlorophenol	ND	0.50	mg/L
Pyridine	ND	0.20	mg/L
2,4,5-Trichloro-phenol	ND	0.10	mg/L
2,4,6-Trichloro-phenol	ND	0.10	mg/L
3-Methylphenol & 4-Methylphenol	**0.67**	**0.10**	**mg/L**

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	85	(38 - 91)
Phenol-d5	90	(37 - 94)
Nitrobenzene-d5	90	(41 - 107)
2-Fluorobiphenyl	83	(33 - 99)
2,4,6-Tribromophenol	88	(40 - 110)
Terphenyl-d14	75	(47 - 107)

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

CONOCO INC.

Client Sample ID: CEDAR CANYON

TCLP Metals

Lot-Sample #...: D1L200203-013 Matrix.....: WATER
Date Sampled...: 12/14/01 12:29 Date Received..: 12/19/01
Leach Date.....: 12/26/01 Leach Batch #..: P136102

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1361323						
Mercury	ND	0.0020	mg/L	SW846 7470A	01/01/02	EQT8D1AQ
		Dilution Factor: 1		Analysis Time..: 21:56		
Prep Batch #...: 1361448						
Silver	ND	0.10	mg/L	SW846 6010B	01/02-01/03/02	EQT8D1AH
		Dilution Factor: 1		Analysis Time..: 22:38		
Arsenic	ND	0.10	mg/L	SW846 6010B	01/02-01/03/02	EQT8D1AJ
		Dilution Factor: 1		Analysis Time..: 22:38		
Barium	0.031 B	0.10	mg/L	SW846 6010B	01/02-01/03/02	EQT8D1AK
		Dilution Factor: 1		Analysis Time..: 22:38		
Cadmium	ND	0.050	mg/L	SW846 6010B	01/02-01/03/02	EQT8D1AL
		Dilution Factor: 1		Analysis Time..: 22:38		
Chromium	0.0030 B	0.10	mg/L	SW846 6010B	01/02-01/03/02	EQT8D1AM
		Dilution Factor: 1		Analysis Time..: 22:38		
Lead	0.0023 B,J	0.030	mg/L	SW846 6010B	01/02-01/03/02	EQT8D1AN
		Dilution Factor: 1		Analysis Time..: 22:38		
Selenium	0.012 B	0.050	mg/L	SW846 6010B	01/02-01/03/02	EQT8D1AP
		Dilution Factor: 1		Analysis Time..: 22:38		

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

CONOCO INC.

Client Sample ID: CEDAR CANYON

General Chemistry

Lot-Sample #...: D1L200203-013 Work Order #...: EQT8D Matrix.....: WATER
Date Sampled...: 12/14/01 12:29 Date Received..: 12/19/01

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH	5.2	0.10	No Units	MCAWW 150.1	12/21/01	1355543
		Dilution Factor: 1		Analysis Time..: 12:00		
Flashpoint	>160	--	deg F	SW846 1010	01/04/02	2004268
		Dilution Factor: 1		Analysis Time..: 12:00		
Reactive Cyanide	ND	1.0	mg/L	SW846 7.3.3	12/27-12/28/01	1362371
		Dilution Factor: 1		Analysis Time..: 12:00		
Reactive Sulfide	ND	50.0	mg/L	SW846 7.3.4	12/28/01	1361422
		Dilution Factor: 1		Analysis Time..: 12:00		

Hobbs, NM 88241-1980
District II · (505) 748-1283
811 S. First
Artesia, NM 88210
District III · (505) 334-6178
1000 Rio Brazos Road
Aztec, NM 87410
District IV · (505) 827-7131

Energy Minerals and Natural Resources Department
Oil Conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

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Environmental Bureau
Oil Conservation Division

Originated

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REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☒	4. Generator Conoco Inc.
Verbal Approval Received: Yes ☐ No ☐	5. Originating Site Ramsey
2. Management Facility Destination SUNDANCE SERVICES INC.	6. Transporter Key
3. Address of Facility Operator P.O. BOX 1737 Eunice NM 88231	8. State NEW MEXICO
7. Location of Material (Street Address or ULSTR)	

9. Circle One:

A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from Generator; one certificate per job.

(B.) All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous listing or testing will be approved.

All transporters must certify the wastes delivered are only those consigned for transport.

BRIEF DESCRIPTION OF MATERIAL:

Attached are analytical results for compressor station for Conoco Inc. I have included a chain of custody and certificate of waste status. Sundance would like approval to accept this material into our Parabo Facility.

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

SIGNATURE: Donna Roach Waste Management Facility Authorized Agent TITLE: OFFICE MGR DATE: _____

TYPE OR PRINT NAME: DONNA L. ROACH TELEPHONE NO. 505-394-2511

(This space for State Use)

APPROVED BY: _____ TITLE: Environmental Engr DATE: 2-19-02

APPROVED BY: _____ TITLE: Environmntl/Geologst DATE: 2-25-02

Chain of Custody Record

STL Denver
4955 Yarrow Street
Arvada, CO 80002

2-957 to 12/18/01

SEVERN TRENT SERVICES — Severn Trent Laboratories, Inc.

STL-4124 (1200) DEN (0900)

Client	Project Manager	Date	Chain of Custody Number
Maxim Technologies	Dan Erskine	12/17/01	092658
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 2 of 2**
10601 Lomas			
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	
Albuquerque / NM / 87112			
Project Name and Location (State)	**Carrier/Waybill Number**		
Contract/Purchase Order/Quote No.			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed	Soil	Containers & Preservatives: Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	Analysis (Attach list if more space is needed)
Gramma Ridge #1	12/14	949					4			16	02		
Gramma Ridge #2		1000											
Pure Gold		1051											
Pardue		1135											
Cedar Canyon		1229											
Ramsey		1348											
Malaga		1429											

Special Instructions/ Conditions of Receipt

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

Sample Disposal
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 3 months)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☒ Other Standard

QC Requirements (Specify)

1. Relinquished By	Date	Time	1. Received By	Date	Time
Daniel W. Erskine	12/17	1130	[illegible]	12/18/01	0845
2. Relinquished By	Date	Time	2. Received By	Date	Time
3. Relinquished By	Date	Time	3. Received By	Date	Time

Comments

[illegible] the Sample: CANARY - Returned to Client with Report; PINK - Field Copy

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

COMPANY /GENERATOR CONOCO INC. (CG&P)

ADDRESS 921 W.SANGER HOBBS,NM 88240

GENERATING SITE Ramsey

GENERATING PROCESS ENGINE /COMPRESSOR OPERATION

REMARKS

NMOCD FACILITY SUNDANCE SERVICES INC.

TRUCKING COMPANY HUGHES TRKING / STEVE CARTER TRKING/ KEY SERVICES

As a condition of acceptance for disposal, I hereby certify that his waste is a non-exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory determinations. 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 Mark Bishop
SIGNATURE

NAME MARK BISHOP
PRINTED

ADDRESS 921 W. SANGER

HOBBS, NM 88240

DATE 2-14-02

CONOCO INC.

Client Sample ID: RAMSEY

TCLP GC/MS Volatiles

Lot-Sample #...:	D1L200203-014	Work Order #...:	EQT8E1AG	Matrix.....:	WATER
Date Sampled...:	12/14/01 13:48	Date Received..:	12/19/01		
Leach Date.....:	12/26/01	Prep Date.....:	01/07/02	Analysis Date..:	01/07/02
Leach Batch #..:	P136104	Prep Batch #...:	2008375	Analysis Time..:	22:16
Dilution Factor:	1				
		Method.....:	SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	ND	0.010	mg/L
2-Butanone	0.043 J	0.050	mg/L
Carbon tetrachloride	ND	0.010	mg/L
Chlorobenzene	ND	0.010	mg/L
Chloroform	ND	0.010	mg/L
1,2-Dichloroethane	ND	0.010	mg/L
1,1-Dichloroethene	ND	0.010	mg/L
Tetrachloroethene	ND	0.010	mg/L
Trichloroethene	ND	0.010	mg/L
Vinyl chloride	ND	0.020	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	108	(80 - 120)
1,2-Dichloroethane-d4	115	(72 - 127)
4-Bromofluorobenzene	97	(79 - 119)
Toluene-d8	101	(79 - 119)

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

J Estimated result. Result is less than RL.

CONOCO INC.

Client Sample ID: RAMSEY

TCLP GC/MS Semivolatiles

Lot-Sample #...: D1L200203-014 Work Order #...: EQT8E1AF Matrix.....: WATER
Date Sampled...: 12/14/01 13:48 Date Received..: 12/19/01
Leach Date.....: 12/26/01 Prep Date.....: 12/27/01 Analysis Date..: 01/03/02
Leach Batch #..: P136102 Prep Batch #...: 1361363 Analysis Time..: 20:51
Dilution Factor: 1
Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
1,4-Dichlorobenzene	ND	0.10	mg/L
2,4-Dinitrotoluene	ND	0.10	mg/L
Hexachlorobenzene	ND	0.10	mg/L
Hexachlorobutadiene	ND	0.10	mg/L
Hexachloroethane	ND	0.10	mg/L
2-Methylphenol	ND	0.10	mg/L
Nitrobenzene	ND	0.10	mg/L
Pentachlorophenol	ND	0.50	mg/L
Pyridine	ND	0.20	mg/L
2,4,5-Trichloro-phenol	ND	0.10	mg/L
2,4,6-Trichloro-phenol	ND	0.10	mg/L
3-Methylphenol & 4-Methylphenol	ND	0.10	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	72	(38 - 91)
Phenol-d5	74	(37 - 94)
Nitrobenzene-d5	78	(41 - 107)
2-Fluorobiphenyl	75	(33 - 99)
2,4,6-Tribromophenol	82	(40 - 110)
Terphenyl-d14	79	(47 - 107)

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

CONOCO INC.

Client Sample ID: RAMSEY

TCLP Metals

Lot-Sample #...: D1L200203-014 Matrix.....: WATER
Date Sampled...: 12/14/01 13:48 Date Received..: 12/19/01
Leach Date.....: 12/26/01 Leach Batch #..: P136102

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1361323						
Mercury	ND	0.0020	mg/L	SW846 7470A	01/01/02	EQT8E1AQ
		Dilution Factor: 1		Analysis Time..: 21:58		
Prep Batch #...: 1361448						
Silver	ND	0.10	mg/L	SW846 6010B	01/02-01/03/02	EQT8E1AH
		Dilution Factor: 1		Analysis Time..: 22:59		
Arsenic	ND	0.10	mg/L	SW846 6010B	01/02-01/03/02	EQT8E1AJ
		Dilution Factor: 1		Analysis Time..: 22:59		
Barium	0.045 B	0.10	mg/L	SW846 6010B	01/02-01/03/02	EQT8E1AK
		Dilution Factor: 1		Analysis Time..: 22:59		
Cadmium	0.0016 B,J	0.050	mg/L	SW846 6010B	01/02-01/03/02	EQT8E1AL
		Dilution Factor: 1		Analysis Time..: 22:59		
Chromium	0.0068 B	0.10	mg/L	SW846 6010B	01/02-01/03/02	EQT8E1AM
		Dilution Factor: 1		Analysis Time..: 22:59		
Lead	0.0077 B,J	0.030	mg/L	SW846 6010B	01/02-01/03/02	EQT8E1AN
		Dilution Factor: 1		Analysis Time..: 22:59		
Selenium	ND	0.050	mg/L	SW846 6010B	01/02-01/03/02	EQT8E1AP
		Dilution Factor: 1		Analysis Time..: 22:59		

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

CONOCO INC.

Client Sample ID: RAMSEY

General Chemistry

Lot-Sample #...: D1L200203-014 Work Order #...: EQT8E Matrix.....: WATER
Date Sampled...: 12/14/01 13:48 Date Received..: 12/19/01

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH	6.4	0.10	No Units	MCAWW 150.1	12/21/01	1355543

Dilution Factor: 1 Analysis Time..: 12:00

Hobbs, NM 88241-1980
District II - (505) 748-1283
811 S. First
Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Road
Aztec, NM 87410
District IV - (505) 827-7131

Energy Minerals and Natural Resources Department
Oil Conservation Division

2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

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Environmental Bureau
Oil Conservation Division

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REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☒	4. Generator Conoco Inc.
Verbal Approval Received: Yes ☐ No ☐	5. Originating Site Cotton Draw
2. Management Facility Destination SUNDANCE SERVICES INC.	6. Transporter Key
3. Address of Facility Operator P.O. BOX 1737 Eunice NM 88231	8. State NEW MEXICO
7. Location of Material (Street Address or ULSTR) Sec 18	R32E T25S

9. Circle One:

A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from Generator; one certificate per job.

(B.) All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous listing or testing will be approved.

All transporters must certify the wastes delivered are only those consigned for transport.

BRIEF DESCRIPTION OF MATERIAL:

Attached are analytical results for compressor station for Conoco Inc. I have included a chain of custody and certificate of waste status. Sundance would like approval to accept this material into our Parabo Facility.

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

SIGNATURE: Donna Roach Waste Management Facility Authorized Agent TITLE: OFFICE MGR DATE: _____

TYPE OR PRINT NAME: DONNA L. ROACH TELEPHONE NO. 505-394-2511

(This space for State Use)

APPROVED BY: _____ TITLE: Environmental Engr DATE: 2-19-02

APPROVED BY: _____ TITLE: Environmental Geologist DATE: 2-25-02

02250211

Chain of Custody Record

North Carlsbad IIK120105 Rush
Others IIK120125

SEVERN TRENT SERVICES

58632

Severn Trent Laboratories, Inc.

STL4149 (0700)

Client	Project Manager	Date	Page 1 of 1
Maxim	Dan Erskine	11/9/01	
Address	Telephone Number (Area Code)/Fax Number	Lab Location	Analysis
10601 Lomas NE	505-237-8440		
City / State / Zip Code	Site Contact		
Albuquerque NM 87112			
Project Number/Name	Carrier/Waybill Number		
Contract/Purchase Order/Quote Number			

RCRA Haz Waste Determination

Sample I.D. Number and Description	Date	Time	Sample Type	Containers: Volume	Containers: Type	Containers: No.	Preservative	Condition on Receipt/Comments
Hat Mesa	11/8/01	920		1L	glass	2	None	S.7 11-12-01 JT
Livingstone Ridge		951				2		See COC Addl
BootLeg Non-Effluent		1022				2		
BootLeg Lube oil		1028				1		
Antelope Ridge		1150				2		
CVRY		1201				2		
Cal-Mon Lube oil		1340				2		
Cal-Mon Washwater		1350				2		
Catton Draw		1420				2		
State line		1450				2		Rec'd 2x1L and 1x250 jars
Cabin Lake		1515				2		2x1L and 1x250 jars
North Carlsbad		1530				2		2x1L and 1x250 jars

Special Instructions

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

Sample Disposal
☐ Return To Client ☑ Disposal By Lab ☐ Archive For _____ Months
(A fee may be assessed if samples are retained longer than 3 months)

Turn Around Time Required
☑ Normal ☐ Rush ☐ Other _____

QC Level
☐ I. ☐ II. ☐ III.

Project Specific Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: Daniel W. Erskine	11/9/01	905	1. Received By	11-12-01	0830
2. Relinquished By			2. Received By		
3. Relinquished By			3. Received By		

Comments

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

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

COMPANY /GENERATOR CONOCO INC. (CG&P)

ADDRESS 921 W.SANGER HOBBS,NM 88240

GENERATING SITE Cotton Draw

GENERATING PROCESS ENGINE /COMPRESSOR OPERATION

REMARKS

NMOCD FACILITY SUNDANCE SERVICES INC.

TRUCKING COMPANY HUGHES TRKING / STEVE CARTER TRKING/ KEY SERVICES

As a condition of acceptance for disposal, I hereby certify that his waste is a non-exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory determinations. 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 Mark Bishop
SIGNATURE

NAME MARK BISHOP
PRINTED

ADDRESS 921 W. SANGER

HOBBS, NM 88240

DATE 2-14-02

CONOCO NG & GP

Client Sample ID: COTTON DRAW

TCLP GC/MS Volatiles

Lot-Sample #...: I1K120125-017	**Work Order #...:** ENQV71AA	**Matrix.....:** WATER
Date Sampled...: 11/08/01 14:20	**Date Received..:** 11/12/01	
Leach Date.....: 11/19/01	**Prep Date.....:** 11/26/01	**Analysis Date..:** 11/26/01
Leach Batch #..: P132301	**Prep Batch #...:** 1333355	
Dilution Factor: 2.5		
	Method.....: SW846 8260B	

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Benzene	**0.48**	**0.050**	**mg/L**	**0.0094**
Carbon tetrachloride	ND	0.050	mg/L	0.0097
Chlorobenzene	ND	0.050	mg/L	0.010
Chloroform	ND	0.050	mg/L	0.012
1,2-Dichloroethane	ND	0.050	mg/L	0.014
1,1-Dichloroethylene	ND	0.050	mg/L	0.0082
Methyl ethyl ketone	ND	0.20	mg/L	0.10
Tetrachloroethylene	ND	0.050	mg/L	0.0096
Trichloroethylene	ND	0.050	mg/L	0.0091
Vinyl chloride	ND	0.10	mg/L	0.0094

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene	120	(74 - 134)
Toluene-d8	119	(85 - 125)
Dibromofluoromethane	114	(69 - 136)
1,2-Dichloroethane-d4	140 *	(75 - 134)

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

* Surrogate recovery is outside stated control limits.

CONOCO NG & GP

Client Sample ID: COTTON DRAW

TCLP GC/MS Volatiles

Lot-Sample #...: I1K120125-017	**Work Order #...:** ENQV72AA	**Matrix.....:** WATER	
Date Sampled...: 11/08/01 14:20	**Date Received..:** 11/12/01		
Leach Date.....: 11/19/01	**Prep Date.....:** 11/28/01	**Analysis Date..:** 12/06/01	
Leach Batch #..: P132301	**Prep Batch #...:** 1338118		
Dilution Factor: 2.5			
	Method.....: SW846 8260B		

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Benzene	**0.36**	**0.050**	**mg/L**	**0.0094**
Carbon tetrachloride	ND	0.050	mg/L	0.0097
Chlorobenzene	ND	0.050	mg/L	0.010
Chloroform	ND	0.050	mg/L	0.012
1,2-Dichloroethane	ND	0.050	mg/L	0.014
1,1-Dichloroethylene	ND	0.050	mg/L	0.0082
Methyl ethyl ketone	**0.25**	**0.20**	**mg/L**	**0.10**
Tetrachloroethylene	ND	0.050	mg/L	0.0096
Trichloroethylene	ND	0.050	mg/L	0.0091
Vinyl chloride	ND	0.10	mg/L	0.0094

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene	116	(74 - 134)
Toluene-d8	100	(85 - 125)
Dibromofluoromethane	99	(69 - 136)
1,2-Dichloroethane-d4	108	(75 - 134)

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

Analysis outside of recommended hold time.

CONOCO NG & GP

Client Sample ID: COTTON DRAW

TCLP GC/MS Semivolatiles

Lot-Sample #...: I1K120125-017 Work Order #...: ENQV71AC Matrix.....: WATER
Date Sampled...: 11/08/01 14:20 Date Received..: 11/12/01
Leach Date.....: 11/16/01 Prep Date.....: 11/23/01 Analysis Date..: 11/29/01
Leach Batch #..: P132009 Prep Batch #...: 1330312
Dilution Factor: 5
Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
o-Cresol	ND	0.25	mg/L	0.073
m-Cresol & p-Cresol	ND	0.50	mg/L	0.082
1,4-Dichlorobenzene	ND	0.25	mg/L	0.042
2,4-Dinitrotoluene	ND	0.25	mg/L	0.0037
Hexachlorobenzene	ND	0.25	mg/L	0.039
Hexachlorobutadiene	ND	0.25	mg/L	0.036
Hexachloroethane	ND	0.25	mg/L	0.037
Nitrobenzene	ND	0.25	mg/L	0.050
Pentachlorophenol	ND	1.2	mg/L	0.15
Pyridine	ND	0.50	mg/L	0.067
2,4,5-Trichloro-phenol	ND	0.25	mg/L	0.052
2,4,6-Trichloro-phenol	ND	0.25	mg/L	0.040

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	3.1 DIL,*	(48 - 116)
Phenol-d5	0.0 DIL	(51 - 122)
Nitrobenzene-d5	83 DIL	(58 - 125)
2-Fluorobiphenyl	87 DIL	(58 - 118)
2,4,6-Tribromophenol	11 DIL,*	(52 - 137)
Terphenyl-d14	84 DIL	(47 - 142)

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

* Surrogate recovery is outside stated control limits.

Elevated reporting limits due to matrix interference.

CONOCO NG & GP

Client Sample ID: COTTON DRAW

General Chemistry

Lot-Sample #...: I1K120125-017 Work Order #...: ENQV7 Matrix.....: WATER
Date Sampled...: 11/08/01 14:20 Date Received..: 11/12/01

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH (liquid)	10.0 H	0.10	No Units	SW846 9040B	11/14/01	1318460
	Dilution Factor: 1					
Ignitability	>200		No Units	SW846 1020A	11/16/01	1320417
	Dilution Factor: 1					
Reactive Cyanide	ND	200	mg/L	SW846 7.3.3	11/14-11/17/01	1319389
	Dilution Factor: 1					
Reactive Sulfide	ND	200	mg/L	SW846 7.3.4	11/14-11/15/01	1319261
	Dilution Factor: 1					

NOTE(S):

RL Reporting Limit

H The sample was prepared or analyzed after the EPA recommended holding time had been exceeded.

CONOCO NG & GP

Client Sample ID: COTTON DRAW

TCLP Metals

Lot-Sample #...: I1K120125-017 **Matrix.....:** WATER
Date Sampled...: 11/08/01 14:20 **Date Received..:** 11/12/01
Leach Date.....: 11/16/01 **Leach Batch #..:** P132009

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1323332						
Silver	ND	0.025 Dilution Factor: 5	mg/L	SW846 6010B	11/19-11/29/01	ENQV71AD
Arsenic	**0.18**	**0.050** Dilution Factor: 5	**mg/L**	**SW846 6010B**	**11/19-11/29/01**	**ENQV71AE** ✓
Barium	ND	0.050 Dilution Factor: 5	mg/L	SW846 6010B	11/19-11/29/01	ENQV71AF
Cadmium	ND	0.010 Dilution Factor: 5	mg/L	SW846 6010B	11/19-11/29/01	ENQV71AG
Chromium	ND	0.025 Dilution Factor: 5	mg/L	SW846 6010B	11/19-11/29/01	ENQV71AH
Lead	ND	0.015 Dilution Factor: 5	mg/L	SW846 6010B	11/19-11/29/01	ENQV71AJ
Selenium	**0.12**	**0.025** Dilution Factor: 5	**mg/L**	**SW846 6010B**	**11/19-11/29/01**	**ENQV71AK** ✓
Prep Batch #...: 1333296						
Mercury	ND	0.0020 Dilution Factor: 1	mg/L	SW846 7470A	11/27-11/28/01	ENQV71AQ

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

Hobbs, NM 88241-1980
District II - (505) 748-1283
811 S. First
Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Road
Aztec, NM 87410
District IV - (505) 827-7131

Energy Minerals and Natural Resources Department
Oil Conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

RECEIVED
FEB 25 2002
Environmental Bureau
Oil Conservation Division

Originated

Submit
Plus
to app
Distric

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☒	4. Generator Conoco Inc.
Verbal Approval Received: Yes ☐ No ☐	5. Originating Site CVRU
2. Management Facility Destination SUNDANCE SERVICES INC.	6. Transporter Key
3. Address of Facility Operator P.O. BOX 1737 Eunice NM 88231	8. State NEW MEXICO
7. Location of Material (Street Address or ULSTR) Sec 17	32 E 24S

9. Circle One:

A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from Generator; one certificate per job.

(B.) All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous listing or testing will be approved.

All transporters must certify the wastes delivered are only those consigned for transport.

BRIEF DESCRIPTION OF MATERIAL:

Attached are analytical results for compressor station for Conoco Inc. I have included a chain of custody and certificate of waste status. Sundance would like approval to accept this material into our Parabo Facility.

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

SIGNATURE: Donna Roach Waste Management Facility Authorized Agent TITLE: OFFICE MGR DATE: _____

TYPE OR PRINT NAME: DONNA L. ROACH TELEPHONE NO. 505-394-2511

(This space for State Use)

APPROVED BY: _____ TITLE: Environmental Engr DATE: 2-19-02

APPROVED BY: _____ TITLE: Environmental Geologist DATE: 2-25-02

1

Chain of Custody Record

North Carlsbad IIK120105 Rush
Others IIK120125

SEVERN TRENT SERVICES

58632

Severn Trent Laboratories, Inc.

STL4149 (0700)

Client	Project Manager	Date	Page 1 of 1
Maxim	Dan Erskine	11/9/01	
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Location**	**Analysis**
10601 Lomas NE	505-237-8440		RCRA Haz Waste Determination
City / State / Zip Code	**Site Contact**		
Albuquerque NM 87112			
Project Number/Name	**Carrier/Waybill Number**		
Contract/Purchase Order/Quote Number			

Sample I.D. Number and Description	Date	Time	Sample Type	Containers: Volume	Containers: Type	Containers: No	Preservative	Condition on Receipt/Comments
Hat Mesa	11/8/01	920		1L	glass	2	None	S.T 11-12-01 5° See COC Add
Livingstone Ridge		951				2		
Bootleg Non-Exempt		1022				2		
Bootleg Lube oil		1028				1		
Antelope Ridge		1150				2		
CVRY		1201				2		
Cal-Mon Lube oil		1340				2		
Cal-Mon washwater		1350				2		
Cotton Draw		1420				2		
State line		1450				2		Rec'd 2x1L and 1x250 jars
Cabin Lake		1515				3		2x1L and 1x250 jars
North Carlsbad		1530				2		2x1L and 1x250 jars

Special Instructions

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

Sample Disposal
☐ Return To Client ☑ Disposal By Lab ☐ Archive For _____ Months
(A fee may be assessed if samples are retained longer than 3 months)

Turn Around Time Required
☑ Normal ☐ Rush ☐ Other _____

QC Level
☐ I. ☐ II. ☐ III.

Project Specific Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: Daniel W. Erskine	11/9/01	905	1. Received By		
2. Relinquished By			2. Received By	11-12-01	0830
3. Relinquished By			3. Received By		

Comments

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

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

COMPANY /GENERATOR CONOCO INC. (CG&P)

ADDRESS 921 W.SANGER HOBBS,NM 88240

GENERATING SITE CVRU

GENERATING PROCESS ENGINE /COMPRESSOR OPERATION

REMARKS

NMOCD FACILITY SUNDANCE SERVICES INC.

TRUCKING COMPANY HUGHES TRKING / STEVE CARTER TRKING/ KEY SERVICES

As a condition of acceptance for disposal, I hereby certify that his waste is a non-exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory determinations. 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 Mark Bishop
SIGNATURE

NAME MARK BISHOP
PRINTED

ADDRESS 921 W. SANGER

HOBBS, NM 88240

DATE 2-14-02

CONOCO NG & GP

Client Sample ID: ~~CVR4~~ CVRU (AQUEOUS PHASE)

TCLP GC/MS Volatiles

Lot-Sample #...: I1K120125-011 Work Order #...: ENQVX1AA Matrix.....: WATER
Date Sampled...: 11/08/01 12:01 Date Received..: 11/12/01
Leach Date.....: 11/19/01 Prep Date.....: 11/26/01 Analysis Date..: 11/26/01
Leach Batch #..: P132301 Prep Batch #...: 1333355
Dilution Factor: 5
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Benzene	ND	0.050	mg/L	0.019
Carbon tetrachloride	ND	0.050	mg/L	0.019
Chlorobenzene	ND	0.050	mg/L	0.021
Chloroform	ND	0.050	mg/L	0.024
1,2-Dichloroethane	ND	0.050	mg/L	0.028
1,1-Dichloroethylene	ND	0.050	mg/L	0.016
Methyl ethyl ketone	ND	0.20	mg/L	0.21
Tetrachloroethylene	ND	0.050	mg/L	0.019
Trichloroethylene	ND	0.050	mg/L	0.018
Vinyl chloride	ND	0.10	mg/L	0.019

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene	304 *	(74 - 134)
Toluene-d8	277 *	(85 - 125)
Dibromofluoromethane	290 *	(69 - 136)
1,2-Dichloroethane-d4	310 *	(75 - 134)

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

* Surrogate recovery is outside stated control limits.

Surrogates outside acceptance criteria due to demonstrated matrix effect.

CONOCO NG & GP

Client Sample ID: CVR4 (AQUEOUS PHASE)

TCLP GC/MS Semivolatiles

Lot-Sample #...: I1K120125-011 Work Order #...: ENQVX1AC Matrix.....: WATER
Date Sampled...: 11/08/01 12:01 Date Received..: 11/12/01
Leach Date.....: 11/16/01 Prep Date.....: 11/23/01 Analysis Date..: 11/29/01
Leach Batch #..: P132009 Prep Batch #...: 1330312
Dilution Factor: 2
Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
o-Cresol	ND	0.10	mg/L	0.029
m-Cresol & p-Cresol	**0.096 J**	**0.20**	**mg/L**	**0.033**
1,4-Dichlorobenzene	ND	0.10	mg/L	0.017
2,4-Dinitrotoluene	ND	0.10	mg/L	0.0015
Hexachlorobenzene	ND	0.10	mg/L	0.016
Hexachlorobutadiene	ND	0.10	mg/L	0.014
Hexachloroethane	ND	0.10	mg/L	0.015
Nitrobenzene	ND	0.10	mg/L	0.020
Pentachlorophenol	ND	0.50	mg/L	0.062
Pyridine	ND	0.20	mg/L	0.027
2,4,5-Trichloro-phenol	ND	0.10	mg/L	0.021
2,4,6-Trichloro-phenol	ND	0.10	mg/L	0.016

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	80	(48 - 116)
Phenol-d5	92	(51 - 122)
Nitrobenzene-d5	89	(58 - 125)
2-Fluorobiphenyl	94	(58 - 118)
2,4,6-Tribromophenol	114	(52 - 137)
Terphenyl-d14	100	(47 - 142)

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

J Estimated result. Result is less than RL.

CONOCO NG & GP

Client Sample ID: CVR4 (ORGANIC PHASE)

GC/MS Volatiles

Lot-Sample #...: I1K120125-012 Work Order #...: ENQV02AR Matrix.....: WASTE
Date Sampled...: 11/08/01 12:01 Date Received..: 11/12/01
Prep Date.....: 11/20/01 Analysis Date..: 11/20/01
Prep Batch #...: 1325290
Dilution Factor: 0.99
% Moisture.....: Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Benzene	ND	1.2	mg/kg	0.12
Carbon tetrachloride	ND	1.2	mg/kg	0.13
Chlorobenzene	ND	1.2	mg/kg	0.13
Chloroform	ND	1.2	mg/kg	0.080
1,2-Dichloroethane	ND	1.2	mg/kg	0.19
1,1-Dichloroethylene	ND	1.2	mg/kg	0.33
Methyl ethyl ketone	ND	5.0	mg/kg	0.19
Tetrachloroethylene	ND	1.2	mg/kg	0.42
Trichloroethylene	ND	1.2	mg/kg	0.14
Vinyl chloride	ND	2.5	mg/kg	0.17

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene	47 *	(66 - 128)
Toluene-d8	39 *	(63 - 125)
Dibromofluoromethane	93	(47 - 121)
1,2-Dichloroethane-d4	92	(40 - 138)

NOTE(S):

* Surrogate recovery is outside stated control limits.

Surrogates outside acceptance criteria due to demonstrated matrix effect.

CONOCO NG & GP

Client Sample ID: CVR4 (AQUEOUS PHASE)

General Chemistry

Lot-Sample #...: I1K120125-011 Work Order #...: ENQVX Matrix.....: WATER
Date Sampled...: 11/08/01 12:01 Date Received..: 11/12/01

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH (liquid)	6.0 H	0.10	No Units	SW846 9040B	11/14/01	1318460
	Dilution Factor: 1					
Ignitability	>200		No Units	SW846 1020A	11/16/01	1320417
	Dilution Factor: 1					
Reactive Cyanide	ND	200	mg/L	SW846 7.3.3	11/14-11/17/01	1319389
	Dilution Factor: 1					
Reactive Sulfide	ND	200	mg/L	SW846 7.3.4	11/14-11/15/01	1319261
	Dilution Factor: 1					

NOTE(S):

RL Reporting Limit

H The sample was prepared or analyzed after the EPA recommended holding time had been exceeded.

CONOCO NG & GP

Client Sample ID: CVR4 (ORGANIC PHASE)

General Chemistry

Lot-Sample #...: I1K120125-012 **Work Order #...:** ENQV0 **Matrix.....:** WASTE
Date Sampled...: 11/08/01 12:01 **Date Received..:** 11/12/01
% Moisture.....:

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
Corrosivity	6.0 H	1.0	No Units	SW846 9040B	11/19/01	1323470
		Dilution Factor: 1				
Ignitability	NO	--	No Units	SW846 SECTION 7.1	11/15/01	1319455
		Dilution Factor: 1				
Reactive Cyanide	ND	200	mg/kg	SW846 7.3.3	11/14-11/17/01	1319389
		Dilution Factor: 1				
Reactive Sulfide	ND	200	mg/kg	SW846 7.3.4	11/14-11/15/01	1319261
		Dilution Factor: 1				

NOTE(S):

RL Reporting Limit

H The sample was prepared or analyzed after the EPA recommended holding time had been exceeded.

pH analysis performed by paperstrip due to organic matrix.

CONOCO NG & GP

Client Sample ID: CVR4 (AQUEOUS PHASE)

TCLP Metals

Lot-Sample #...: I1K120125-011 **Matrix.....:** WATER
Date Sampled...: 11/08/01 12:01 **Date Received..:** 11/12/01
Leach Date.....: 11/16/01 **Leach Batch #..:** P132009

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1323332						
Silver	ND	0.0050 Dilution Factor: 1	mg/L	SW846 6010B	11/19-11/29/01	ENQVX1AD
Arsenic	0.021	0.010 Dilution Factor: 1	mg/L	SW846 6010B	11/19-11/29/01	ENQVX1AE
Barium	0.027	0.010 Dilution Factor: 1	mg/L	SW846 6010B	11/19-11/29/01	ENQVX1AF
Cadmium	0.0067	0.0020 Dilution Factor: 1	mg/L	SW846 6010B	11/19-11/29/01	ENQVX1AG
Chromium	0.0071	0.0050 Dilution Factor: 1	mg/L	SW846 6010B	11/19-11/29/01	ENQVX1AH
Lead	ND	0.0030 Dilution Factor: 1	mg/L	SW846 6010B	11/19-11/29/01	ENQVX1AJ
Selenium	0.047	0.0050 Dilution Factor: 1	mg/L	SW846 6010B	11/19-11/29/01	ENQVX1AK
Prep Batch #...: 1333296						
Mercury	ND	0.0020 Dilution Factor: 1	mg/L	SW846 7470A	11/27-11/28/01	ENQVX1AQ

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

CONOCO NG & GP

Client Sample ID: CVR4 (ORGANIC PHASE)

TOTAL Metals

Lot-Sample #...: I1K120125-012 **Matrix.....:** WASTE
Date Sampled...: 11/08/01 12:01 **Date Received..:** 11/12/01
% Moisture.....:

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1333190						
Silver	ND	1.0 Dilution Factor: 1	mg/kg	SW846 6010B	11/21-11/28/01	ENQV01AU
Arsenic	ND	1.0 Dilution Factor: 1	mg/kg	SW846 6010B	11/21-11/28/01	ENQV01AV
Barium	ND	1.0 Dilution Factor: 1	mg/kg	SW846 6010B	11/21-11/28/01	ENQV01AW
Cadmium	**0.98**	**0.20** Dilution Factor: 1	**mg/kg**	**SW846 6010B**	**11/21-11/28/01**	**ENQV01AX**
Chromium	ND	0.50 Dilution Factor: 1	mg/kg	SW846 6010B	11/21-11/28/01	ENQV01A0
Lead	**1.6**	**0.30** Dilution Factor: 1	**mg/kg**	**SW846 6010B**	**11/21-11/28/01**	**ENQV01A1**
Selenium	**0.86**	**0.50** Dilution Factor: 1	**mg/kg**	**SW846 6010B**	**11/21-11/28/01**	**ENQV01A2**
Prep Batch #...: 1340216						
Mercury	ND	0.10 Dilution Factor: 1	mg/kg	SW846 7471A	12/05/01	ENQV01AQ

Hobbs, NM 88241-1980
District II - (505) 748-1283
811 S. First
Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Road
Aztec, NM 87410
District IV - (505) 827-7131

Energy Minerals and Natural Resources Department
Oil Conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

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Oil Conservation Division

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REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☒	4. Generator Conoco Inc.
Verbal Approval Received: Yes ☐ No ☐	5. Originating Site Calmon
2. Management Facility Destination SUNDANCE SERVICES INC.	6. Transporter Key
3. Address of Facility Operator P.O. BOX 1737 Eunice NM 88231	8. State NEW MEXICO
7. Location of Material (Street Address or ULSTR) S 35	31E 23S

9. Circle One:

A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from Generator; one certificate per job.

(B.) All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous listing or testing will be approved.

All transporters must certify the wastes delivered are only those consigned for transport.

BRIEF DESCRIPTION OF MATERIAL:

Attached are analytical results for compressor station for Conoco Inc. I have included a chain of custody and certificate of waste status. Sundance would like approval to accept this material into our Parabo Facility.

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

SIGNATURE: Donna Roach Waste Management Facility Authorized Agent TITLE: OFFICE MGR DATE: _____

TYPE OR PRINT NAME: DONNA L. ROACH TELEPHONE NO. 505-394-2511

(This space for State Use)

APPROVED BY: _____ TITLE: Environmental Engr DATE: 2-19-02

APPROVED BY: _____ TITLE: Environmental Geologist DATE: 2-25-02

1

Chain of Custody Record

North Carlsbad IIK120105 Rush
Others IIK120125

SEVERN TRENT SERVICES

58632

Severn Trent Laboratories, Inc.

STL4149 (0700)

Client	Project Manager	Date	Page 1 of 1
Maxim	Dan Erskine	11/9/01	
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Location**	**Analysis**
10601 Lomas NE	505-237-8440		RCRA Haz Waste Determination
City / **State** / **Zip Code**	**Site Contact**		
Albuquerque / NM / 87112			
Project Number/Name	**Carrier/Waybill Number**		
Contract/Purchase Order/Quote Number			

Sample I.D. Number and Description	Date	Time	Sample Type	Containers: Volume	Containers: Type	Containers: No.	Preservative	Condition on Receipt/Comments
Hat Mesa	11/8/01	920		1L	glass	2	None	5.7 11-12-01 JT See COC Add
Livingstone Ridge		951				2		
BootLeg Non-Exempt		1022				2		
BootLeg Lube oil		1048				1		
Antelope Ridge		1150				2		
CVRU		1201				2		
Cal-Mon Lube oil		1340				2		
Cal-Mon washwater		1350				2		
Cotton Draw		1420				2		
State line		1456				2		Rec'd 2x1L and 1x250 jars
Cabin Lake		1515				3		2x1L and 1x250 jars
North Carlsbad		1530				2		2x1L and 1x250 jars

Special Instructions

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

Sample Disposal
☐ Return To Client ☑ Disposal By Lab ☐ Archive For _____ Months
(A fee may be assessed if samples are retained longer than 3 months)

Turn Around Time Required
☑ Normal ☐ Rush ☐ Other _____

QC Level
☐ I. ☐ II. ☐ III.

Project Specific Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: Daniel W. Erskine	11/9/01	905	1. Received By:		
2. Relinquished By			2. Received By	11-12-01	0830
3. Relinquished By			3. Received By		

Comments

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

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

COMPANY /GENERATOR CONOCO INC. (CG&P)

ADDRESS 921 W.SANGER HOBBS,NM 88240

GENERATING SITE Calmon

GENERATING PROCESS ENGINE /COMPRESSOR OPERATION

REMARKS

NMOCD FACILITY SUNDANCE SERVICES INC.

TRUCKING COMPANY HUGHES TRKING / STEVE CARTER TRKING/ KEY SERVICES

As a condition of acceptance for disposal, I hereby certify that his waste is a non-exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory determinations. 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 Mark Bishop
SIGNATURE

NAME MARK BISHOP
PRINTED

ADDRESS 921 W. SANGER

HOBBS, NM 88240

DATE 2-14-02

CONOCO NG & GP

Client Sample ID: CAL-MON WASHWATER

TCLP GC/MS Volatiles

Lot-Sample #...: I1K120125-015 **Work Order #...:** ENQV31AA **Matrix.....:** WATER
Date Sampled...: 11/08/01 13:50 **Date Received..:** 11/12/01
Leach Date.....: 11/19/01 **Prep Date.....:** 11/28/01 **Analysis Date..:** 11/28/01
Leach Batch #..: P132301 **Prep Batch #...:** 1338118
Dilution Factor: 5
Method.....: SW846 8260B

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
Benzene	**0.19**	**0.050**	**mg/L**	**0.019**
Carbon tetrachloride	ND	0.050	mg/L	0.019
Chlorobenzene	ND	0.050	mg/L	0.021
Chloroform	ND	0.050	mg/L	0.024
1,2-Dichloroethane	ND	0.050	mg/L	0.028
1,1-Dichloroethylene	ND	0.050	mg/L	0.016
Methyl ethyl ketone	ND	0.040	mg/L	0.21
Tetrachloroethylene	ND	0.050	mg/L	0.019
Trichloroethylene	ND	0.050	mg/L	0.018
Vinyl chloride	ND	0.10	mg/L	0.019

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene	121	(74 - 134)
Toluene-d8	113	(85 - 125)
Dibromofluoromethane	118	(69 - 136)
1,2-Dichloroethane-d4	130	(75 - 134)

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

CONOCO NG & GP

Client Sample ID: CAL-MON WASHWATER

TCLP GC/MS Semivolatiles

Lot-Sample #...: I1K120125-015 Work Order #...: ENQV31AC Matrix.....: WATER
Date Sampled...: 11/08/01 13:50 Date Received..: 11/12/01
Leach Date.....: 11/16/01 Prep Date.....: 11/23/01 Analysis Date..: 11/29/01
Leach Batch #..: P132009 Prep Batch #...: 1330312
Dilution Factor: 2
Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS	MDL
o-Cresol	ND	0.10	mg/L	0.029
m-Cresol & p-Cresol	**0.078 J**	**0.20**	**mg/L**	**0.033**
1,4-Dichlorobenzene	ND	0.10	mg/L	0.017
2,4-Dinitrotoluene	ND	0.10	mg/L	0.0015
Hexachlorobenzene	ND	0.10	mg/L	0.016
Hexachlorobutadiene	ND	0.10	mg/L	0.014
Hexachloroethane	ND	0.10	mg/L	0.015
Nitrobenzene	ND	0.10	mg/L	0.020
Pentachlorophenol	ND	0.50	mg/L	0.062
Pyridine	ND	0.20	mg/L	0.027
2,4,5-Trichlorophenol	ND	0.10	mg/L	0.021
2,4,6-Trichlorophenol	ND	0.10	mg/L	0.016

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	59	(48 - 116)
Phenol-d5	90	(51 - 122)
Nitrobenzene-d5	93	(58 - 125)
2-Fluorobiphenyl	94	(58 - 118)
2,4,6-Tribromophenol	113	(52 - 137)
Terphenyl-d14	96	(47 - 142)

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

J Estimated result. Result is less than RL.

CONOCO NG & GP

Client Sample ID: CAL-MON WASHWATER

General Chemistry

Lot-Sample #...: I1K120125-015 Work Order #...: ENQV3 Matrix.....: WATER
Date Sampled...: 11/08/01 13:50 Date Received..: 11/12/01

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH (liquid)	7.0 H	0.10	No Units	SW846 9040B	11/14/01	1318460
	Dilution Factor: 1					
Ignitability	>200		No Units	SW846 1020A	11/16/01	1320417
	Dilution Factor: 1					
Reactive Cyanide	ND	200	mg/L	SW846 7.3.3	11/14-11/17/01	1319389
	Dilution Factor: 1					
Reactive Sulfide	ND	200	mg/L	SW846 7.3.4	11/14-11/15/01	1319261
	Dilution Factor: 1					

NOTE(S):

RL Reporting Limit

H The sample was prepared or analyzed after the EPA recommended holding time had been exceeded.

CONOCO NG & GP

Client Sample ID: CAL-MON WASHWATER

TCLP Metals

Lot-Sample #...: I1K120125-015 **Matrix.....:** WATER
Date Sampled...: 11/08/01 13:50 **Date Received..:** 11/12/01
Leach Date.....: 11/16/01 **Leach Batch #..:** P132009

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1323332						
Silver	ND	0.025	mg/L	SW846 6010B	11/19-11/29/01	ENQV31AD
		Dilution Factor: 5				
Arsenic	ND	0.050	mg/L	SW846 6010B	11/19-11/29/01	ENQV31AE
		Dilution Factor: 5				
Barium	ND	0.050	mg/L	SW846 6010B	11/19-11/29/01	ENQV31AF
		Dilution Factor: 5				
Cadmium	ND	0.010	mg/L	SW846 6010B	11/19-11/29/01	ENQV31AG
		Dilution Factor: 5				
Chromium	ND	0.025	mg/L	SW846 6010B	11/19-11/29/01	ENQV31AH
		Dilution Factor: 5				
Lead	ND	0.015	mg/L	SW846 6010B	11/19-11/29/01	ENQV31AJ
		Dilution Factor: 5				
Selenium	**0.10**	**0.025**	**mg/L**	**SW846 6010B**	**11/19-11/29/01**	**ENQV31AK**
		Dilution Factor: 5				
Prep Batch #...: 1333296						
Mercury	ND	0.0020	mg/L	SW846 7470A	11/27-11/28/01	ENQV31AQ
		Dilution Factor: 1				

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

Hobbs, NM 88241-1980
District II · (505) 748-1283
811 S. First
Artesia, NM 88210
District III · (505) 334-6178
1000 Rio Brazos Road
Aztec, NM 87410
District IV · (505) 827-7131

Energy Minerals and Natural Resources Department
Oil Conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

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REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☒	4. Generator Conoco Inc.
Verbal Approval Received: Yes ☐ No ☐	5. Originating Site NE Carlsbad
2. Management Facility Destination SUNDANCE SERVICES INC.	6. Transporter Key
3. Address of Facility Operator P.O. BOX 1737 Eunice NM 88231	8. State NEW MEXICO
7. Location of Material (Street Address or ULSTR) Sec 16	28E 21S

9. Circle One:

A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from Generator; one certificate per job.

(B.) All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous listing or testing will be approved.

All transporters must certify the wastes delivered are only those consigned for transport.

BRIEF DESCRIPTION OF MATERIAL:

Attached are analytical results for compressor station for Conoco Inc. I have included a chain of custody and certificate of waste status. Sundance would like approval to accept this material into our Parabo Facility.

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

SIGNATURE: Donna Roach Waste Management Facility Authorized Agent TITLE: OFFICE MGR DATE: _____

TYPE OR PRINT NAME: DONNA L. ROACH TELEPHONE NO. 505-394-2511

(This space for State Use)

APPROVED BY: _____ TITLE: Environmental Engr, DATE: 2-19-02

APPROVED BY: _____ TITLE: Environmental Geologist DATE: 2-25-02

[illegible]-20592

Chain of Custody Record

North Carlsbad IIK120105 Rush
Others IIK120125

SEVERN TRENT SERVICES

58632

Severn Trent Laboratories, Inc.

STL4149 (0700)

Client: Maxim	Project Manager: Dan Erskine	Date: 11/9/01	Page 1 of 1
Address: 10601 Lomas NE	Telephone Number (Area Code)/Fax Number: 505-237-8440	Lab Location	Analysis
City: Albuquerque; State: NM; Zip Code: 87112	Site Contact		RCRA Haz Waste Determination
Project Number/Name	Carrier/Waybill Number		
Contract/Purchase Order/Quote Number			

Sample I.D. Number and Description	Date	Time	Sample Type	Containers: Volume	Containers: Type	Containers: No.	Preservative	Condition on Receipt/Comments
Hat Mesa	11/8/01	920		1L	glass	2	None	5.7 11-12-01 IT See COC field
Livingstone Ridge		951				2		
BootLeg Non-Exempt		1022				2		
BootLeg Lube oil		1028				1		
Antelope Ridge		1150				2		
CVRY		1201				2		
Cal-Mon Lube oil		1340				2		
Cal-Mon washwater		1350				2		
Cotton Draw		1420				2		
State line		1450				2		Rec'd 2x1L and 1x250 jars
Cabin Lake		1515				2		2x1L and 1x250 jars
North Carlsbad		1530				2		2x1L and 1x250 jars

Special Instructions

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

Sample Disposal
☐ Return To Client ☑ Disposal By Lab ☐ Archive For _____ Months
(A fee may be assessed if samples are retained longer than 3 months)

Turn Around Time Required
☑ Normal ☐ Rush ☐ Other _____

QC Level
☐ I. ☐ II. ☐ III.

Project Specific Requirements (Specify)

	Date	Time		Date	Time
1. Relinquished By: Daniel W. Erskine	11/9/01	905	1. Received By		
2. Relinquished By			2. Received By	11-12-01	0830
3. Relinquished By			3. Received By		

Comments

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

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

COMPANY /GENERATOR CONOCO INC. (CG&P)

ADDRESS 921 W.SANGER HOBBS,NM 88240

GENERATING SITE NE Carlsbad Comp Station

GENERATING PROCESS ENGINE /COMPRESSOR OPERATION

REMARKS

NMOCD FACILITY SUNDANCE SERVICES INC.

TRUCKING COMPANY HUGHES TRKING / STEVE CARTER TRKING/ KEY SERVICES

As a condition of acceptance for disposal, I hereby certify that his waste is a non-exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory determinations. 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 Mark Bishop
SIGNATURE

NAME MARK BISHOP
PRINTED

ADDRESS 921 W. SANGER

HOBBS, NM 88240

DATE 2-14-02

SEVERN TRENT LABORATORIES, INC.

PRELIMINARY DATA SUMMARY

The results shown below may still require additional laboratory review and are subject to change. Actions taken based on these results are the responsibility of the data user.

Conoco NG & GP

Lot #: I1K120105 Waste Analysis Date Reported: 11/21/01

Project Number: CONOCO CG & P

PARAMETER		RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD	
Client Sample ID: NORTH CARLSBAD (NE Carlsbad Compressor Station)						
Sample #: 001 Date Sampled: 11/08/01 15:30 Date Received: 11/12/01 Matrix: WATER						
Trace Inductively Coupled Plasma (ICP) Metals TCLP						Reviewed
Silver	TCLP	ND	0.0050	mg/L	SW846 6010B	
Arsenic	TCLP	0.20	0.010	mg/L	SW846 6010B	
Barium	TCLP	0.051	0.010	mg/L	SW846 6010B	
Cadmium	TCLP	0.062	0.0020	mg/L	SW846 6010B	
Chromium	TCLP	0.021	0.0050	mg/L	SW846 6010B	
Lead	TCLP	0.093 L	0.0030	mg/L	SW846 6010B	
Selenium	TCLP	0.34 L	0.0050	mg/L	SW846 6010B	
Mercury in Liquid Waste (Manual Cold-Vapor) TCLP						Reviewed
Mercury	TCLP	ND	0.0020	mg/L	SW846 7470A	

L Serial dilution of a digestate in the analytical batch indicates that physical and chemical interferences are present.

Volatile Organics by GC/MS TCLP					Reviewed
Benzene	ND	0.50	mg/L	SW846 8260B	
Carbon tetrachloride	ND	0.50	mg/L	SW846 8260B	
Chlorobenzene	ND	0.50	mg/L	SW846 8260B	
Chloroform	ND	0.50	mg/L	SW846 8260B	
1,2-Dichloroethane	ND	0.50	mg/L	SW846 8260B	
1,1-Dichloroethylene	ND	0.50	mg/L	SW846 8260B	
Methyl ethyl ketone	ND	2.0	mg/L	SW846 8260B	
Tetrachloroethylene	ND	0.50	mg/L	SW846 8260B	
Trichloroethylene	ND	0.50	mg/L	SW846 8260B	
Vinyl chloride	ND	1.0	mg/L	SW846 8260B	

Elevated reporting limits due to matrix and high non-targets.

Semivolatile Organic Compounds by GC/MS TCLP					In Review
IN PROGRESS					
Inorganic Analysis					Reviewed
Reactive Cyanide	ND	200	mg/L	SW846 7.3.3	
Ignitability	>200		No Units	SW846 1020A	
pH Aqueous	11.0 H	0.10	No Units	SW846 9040B	

(Continued on next page)

SEVERN TRENT LABORATORIES, INC.

PRELIMINARY DATA SUMMARY

The results shown below may still require additional laboratory review and are subject to change. Actions taken based on these results are the responsibility of the data user.

Lot #: I1K120105 — Conoco NG & GP — Waste Analysis — Project Number: CONOCO CG & P — Date Reported: 11/21/01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	ANALYTICAL METHOD	
Client Sample ID: NORTH CARLSBAD					
Sample #: 001 Date Sampled: 11/08/01 15:30 Date Received: 11/12/01 Matrix: WATER					
Reactive Sulfide					Reviewed
Reactive Sulfide	ND	200	mg/L	SW846 7.3.4	

H The sample was prepared or analyzed after the EPA recommended holding time had been exceeded.

SAMPLE SUMMARY

I1K120105

WO #	SAMPLE#	CLIENT SAMPLE ID	SAMPLED DATE	SAMP TIME
ENQMF	001	NORTH CARLSBAD	11/08/01	15:30

NOTE(S):

- The analytical results of the samples listed above are presented on the following pages.
- All calculations are performed before rounding to avoid round-off errors in calculated results.
- *Results noted as "ND" were not detected at or above the stated limit.*
- This report must not be reproduced, except in full, without the written approval of the laboratory.
- Results for the following parameters are never reported on a dry weight basis: color, corrosivity, density, flashpoint, ignitability, layers, odor, paint filter test, pH, porosity pressure, reactivity, redox potential, specific gravity, spot tests, solids, solubility, temperature, viscosity, and weight.

CONOCO NG & GP

Client Sample ID: NORTH CARLSBAD

TCLP GC/MS Volatiles

Lot-Sample #...: I1K120105-001	Work Order #...: ENQMF1AA	Matrix.....: WATER
Date Sampled...: 11/08/01 15:30	Date Received..: 11/12/01	MS Run #.....:
Leach Date.....: 11/12/01	Prep Date.....: 11/14/01	Analysis Date..: 11/14/01
Leach Batch #..: P131614	Prep Batch #...: 1318340	Analysis Time..: 11:08
Dilution Factor: 10		
	Method.....: SW846 8260B	

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	ND	0.50	mg/L
Carbon tetrachloride	ND	0.50	mg/L
Chlorobenzene	ND	0.50	mg/L
Chloroform	ND	0.50	mg/L
1,2-Dichloroethane	ND	0.50	mg/L
1,1-Dichloroethylene	ND	0.50	mg/L
Methyl ethyl ketone	ND	2.0	mg/L
Tetrachloroethylene	ND	0.50	mg/L
Trichloroethylene	ND	0.50	mg/L
Vinyl chloride	ND	1.0	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
4-Bromofluorobenzene	115	(74 - 134)
Toluene-d8	112	(85 - 125)
Dibromofluoromethane	110	(69 - 136)
1,2-Dichloroethane-d4	117	(75 - 134)

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

Elevated reporting limits due to matrix and high non-targets.

CONOCO NG & GP

Client Sample ID: NORTH CARLSBAD

TCLP GC/MS Semivolatiles

Lot-Sample #...: I1K120105-001	Work Order #...: ENQMF1AC	Matrix.....: WATER
Date Sampled...: 11/08/01 15:30	Date Received..: 11/12/01	MS Run #.....: 1320071
Leach Date.....: 11/12/01	Prep Date.....: 11/15/01	Analysis Date..: 11/26/01
Leach Batch #..: P131703	Prep Batch #...: 1320216	Analysis Time..: 17:42
Dilution Factor: 50		
	Method.....: SW846 8270C	

PARAMETER	RESULT	REPORTING LIMIT	UNITS
o-Cresol	ND	2.5	mg/L
m-Cresol & p-Cresol	ND	5.0	mg/L
1,4-Dichlorobenzene	ND	2.5	mg/L
2,4-Dinitrotoluene	ND	2.5	mg/L
Hexachlorobenzene	ND	2.5	mg/L
Hexachlorobutadiene	ND	2.5	mg/L
Hexachloroethane	ND	2.5	mg/L
Nitrobenzene	ND	2.5	mg/L
Pentachlorophenol	ND	12	mg/L
Pyridine	ND	5.0	mg/L
2,4,5-Trichloro-phenol	ND	2.5	mg/L
2,4,6-Trichloro-phenol	ND	2.5	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	0.0 DIL,NC	(48 - 116)
Phenol-d5	0.0 DIL,NC	(51 - 122)
Nitrobenzene-d5	0.0 DIL,NC	(58 - 125)
2-Fluorobiphenyl	0.0 DIL,NC	(58 - 118)
2,4,6-Tribromophenol	0.0 DIL,NC	(52 - 137)
Terphenyl-d14	0.0 DIL,NC	(47 - 142)

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

DIL The concentration is estimated or not reported due to dilution or the presence of interfering analytes.

NC The recovery and/or RPD were not calculated.

CONOCO NG & GP

Client Sample ID: NORTH CARLSBAD

General Chemistry

Lot-Sample #...: I1K120105-001 Work Order #...: ENQMF Matrix.....: WATER
Date Sampled...: 11/08/01 15:30 Date Received..: 11/12/01

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH (liquid)	11.0 H	0.10	No Units	SW846 9040B	11/14/01	1318460
	Dilution Factor: 1			Analysis Time..: 15:00	MS Run #.....: 1318211	
Ignitability	>200		No Units	SW846 1020A	11/16/01	1320417
	Dilution Factor: 1			Analysis Time..: 15:00	MS Run #.....: 1320227	
Reactive Cyanide	ND	200	mg/L	SW846 7.3.3	11/14-11/17/01	1319389
	Dilution Factor: 1			Analysis Time..: 10:00	MS Run #.....: 1324027	
Reactive Sulfide	ND	200	mg/L	SW846 7.3.4	11/12/01	1317228
	Dilution Factor: 1			Analysis Time..: 21:55	MS Run #.....: 1317097	

NOTE(S):

RL Reporting Limit

H The sample was prepared or analyzed after the EPA recommended holding time had been exceeded.

CONOCO NG & GP

Client Sample ID: NORTH CARLSBAD

TCLP Metals

Lot-Sample #...: I1K120105-001 Matrix.....: WATER
Date Sampled...: 11/08/01 15:30 Date Received..: 11/12/01
Leach Date.....: 11/12/01 Leach Batch #..: P131614

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1317181						
Mercury	ND	0.0020	mg/L	SW846 7470A	11/12-11/13/01	ENQMF1AQ
		Dilution Factor: 2		Analysis Time..: 14:12	MS Run #.....: 1317065	
Prep Batch #...: 1317360						
Silver	ND	0.0050	mg/L	SW846 6010B	11/13-11/15/01	ENQMF1AD
		Dilution Factor: 1		Analysis Time..: 12:03	MS Run #.....: 1317187	
Arsenic	0.20	0.010	mg/L	SW846 6010B	11/13-11/15/01	ENQMF1AE
		Dilution Factor: 1		Analysis Time..: 12:03	MS Run #.....: 1317187	
Barium	0.051	0.010	mg/L	SW846 6010B	11/13-11/15/01	ENQMF1AF
		Dilution Factor: 1		Analysis Time..: 12:03	MS Run #.....: 1317187	
Cadmium	0.062	0.0020	mg/L	SW846 6010B	11/13-11/15/01	ENQMF1AG
		Dilution Factor: 1		Analysis Time..: 12:03	MS Run #.....: 1317187	
Chromium	0.021	0.0050	mg/L	SW846 6010B	11/13-11/15/01	ENQMF1AH
		Dilution Factor: 1		Analysis Time..: 12:03	MS Run #.....: 1317187	
Lead	0.093 L	0.0030	mg/L	SW846 6010B	11/13-11/15/01	ENQMF1AJ
		Dilution Factor: 1		Analysis Time..: 12:03	MS Run #.....: 1317187	
Selenium	0.34 L	0.0050	mg/L	SW846 6010B	11/13-11/15/01	ENQMF1AK
		Dilution Factor: 1		Analysis Time..: 12:03	MS Run #.....: 1317187	

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

L Serial dilution of a digestate in the analytical batch indicates that physical and chemical interferences are present.

Hobbs, NM 88241-1980
District II - (505) 748-1283
811 S. First
Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Road
Aztec, NM 87410
District IV - (505) 827-7131

Energy Minerals and Natural Resources Department
Oil Conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

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Environmental Bureau
Oil Conservation Division

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REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☒	4. Generator Conoco Inc.
Verbal Approval Received: Yes ☐ No ☐	5. Originating Site Zia Booster
2. Management Facility Destination SUNDANCE SERVICES INC.	6. Transporter Key
3. Address of Facility Operator P.O. BOX 1737 Eunice NM 88231	8. State NEW MEXICO
7. Location of Material (Street Address or ULSTR) S19 T 32E R19S	

9. Circle One:

A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from Generator; one certificate per job.

(B.) All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous listing or testing will be approved.

All transporters must certify the wastes delivered are only those consigned for transport.

BRIEF DESCRIPTION OF MATERIAL:

Attached are analytical results for compressor station for Conoco Inc. I have included a chain of custody and certificate of waste status. Sundance would like approval to accept this material into our Parabo Facility.

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

SIGNATURE: Donna Roach Waste Management Facility Authorized Agent TITLE: OFFICE MGR DATE: _____

TYPE OR PRINT NAME: DONNA L. ROACH TELEPHONE NO. 505-394-2511

(This space for State Use)

APPROVED BY: _____ TITLE: ENVIRONMENTAL ENGINEER DATE: 2-19-02

APPROVED BY: _____ TITLE: Environmental Geologist DATE: 2-25-02

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

COMPANY /GENERATOR CONOCO INC. (CG&P)

ADDRESS 921 W.SANGER HOBBS,NM 88240

GENERATING SITE Zia Booster

GENERATING PROCESS ENGINE /COMPRESSOR OPERATION

REMARKS

NMOCD FACILITY SUNDANCE SERVICES INC.

TRUCKING COMPANY HUGHES TRKING / STEVE CARTER TRKING/ KEY SERVICES

As a condition of acceptance for disposal, I hereby certify that his waste is a non-exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory determinations. 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 Mark Bishop
SIGNATURE

NAME MARK BISHOP
PRINTED

ADDRESS 921 W. SANGER

HOBBS, NM 88240

DATE 2-14-02

Chain of Custody Record

STL Denver
4955 Yarrow Street
Arvada, CO 80002

SEVERN TRENT SERVICES — Severn Trent Laboratories, Inc.

STL-4124 (1200) DEN (0900)

Client	Project Manager	Date	Chain of Custody Number
Maxim Technologies	Dan Erskine	12/17/01	088311
Address	**Telephone Number (Area Code)/Fax Number**	**Lab Number**	**Page 1 of 2**
10601 Lomas NE Ste 106	505-237-8440 / 505-237-8656		
City / **State** / **Zip Code**	**Site Contact**	**Lab Contact**	**Analysis (Attach list if more space is needed)**
Albuquerque / NM / 87112	Dan Erskine		
Project Name and Location (State)	**Carrier/Waybill Number**		
Conoco Oily Waste			
Contract/Purchase Order/Quote No			

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix: Air	Aqueous	Sed.	Soil	Containers & Preservatives: Unpres.	H_2SO_4	HNO_3	HCl	NaOH	ZnAc/NaOH	Special Instructions/ Conditions of Receipt
Kinmitz	12/14	934						2-16 oz					
								4-8 oz					
Skelly	12/14	1038						2-16 oz					
								4-8 oz					
West Turkey Track	12/14	1309						2-16 oz					
								4-8 oz					
Turkey Track	12/14	1403						1-16 oz					
								2-8 oz					
Zia Booster	12/14	1535						2-8 oz					
Chavez	12/14	1629						2-16 oz					
								4-8 oz					

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

Sample Disposal
☐ Return To Client ☒ Disposal By Lab ☐ Archive For _____ Months (A fee may be assessed if samples are retained longer than 3 months)

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☒ Other Standard

QC Requirements (Specify)

	Relinquished By	Date	Time	Received By	Date	Time
1.	Daniel W. Erskine	12/17	1130	[illegible]	12/18/01	0845
2.						
3.						

Comments

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

CONOCO INC.

Client Sample ID: ZIA BOOSTER

TCLP GC/MS Volatiles

Lot-Sample #...: D1L200203-007	Work Order #...: EQT721AD	Matrix.....: SOLID
Date Sampled...: 12/14/01 15:35	Date Received..: 12/19/01	
Leach Date.....: 12/26/01	Prep Date.....: 01/07/02	Analysis Date..: 01/07/02
Leach Batch #..: P136105	Prep Batch #...: 2008374	Analysis Time..: 17:59
Dilution Factor: 1000		
	Method.....: SW846 8260B	

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Benzene	ND	10	mg/L
2-Butanone	ND	50	mg/L
Carbon tetrachloride	ND	10	mg/L
Chlorobenzene	ND	10	mg/L
Chloroform	ND	10	mg/L
1,2-Dichloroethane	ND	10	mg/L
1,1-Dichloroethene	ND	10	mg/L
Tetrachloroethene	ND	10	mg/L
Trichloroethene	ND	10	mg/L
Vinyl chloride	ND	10	mg/L

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
Dibromofluoromethane	109	(80 - 120)
1,2-Dichloroethane-d4	113	(76 - 122)
4-Bromofluorobenzene	93	(79 - 119)
Toluene-d8	103	(79 - 119)

NOTE(S):

Analysis performed in accordance with USEPA Toxicity Characteristic Leaching Procedure Method 1311

CONOCO INC.

Client Sample ID: ZIA BOOSTER

GC/MS Semivolatiles

Lot-Sample #...: D1L200203-007 Work Order #...: EQT721AC Matrix.....: SOLID
Date Sampled...: 12/14/01 15:35 Date Received..: 12/19/01
Prep Date.....: 12/26/01 Analysis Date..: 12/29/01
Prep Batch #...: 1360204 Analysis Time..: 01:53
Dilution Factor: 1
Method.....: SW846 8270C

PARAMETER	RESULT	REPORTING LIMIT	UNITS
Pyridine	ND	200	mg/kg
2,4,5-Trichloro-phenol	ND	100	mg/kg
2,4,6-Trichloro-phenol	ND	100	mg/kg
3-Methylphenol & 4-Methylphenol	ND	100	mg/kg
1,4-Dichlorobenzene	ND	100	mg/kg
2,4-Dinitrotoluene	ND	100	mg/kg
Hexachlorobenzene	ND	100	mg/kg
Hexachlorobutadiene	ND	100	mg/kg
Hexachloroethane	ND	100	mg/kg
2-Methylphenol	ND	100	mg/kg
Nitrobenzene	ND	100	mg/kg
Pentachlorophenol	ND	480	mg/kg

SURROGATE	PERCENT RECOVERY	RECOVERY LIMITS
2-Fluorophenol	91	(34 - 97)
Phenol-d5	89	(39 - 90)
Nitrobenzene-d5	90	(33 - 97)
2-Fluorobiphenyl	93 *	(39 - 91)
2,4,6-Tribromophenol	94	(29 - 95)
Terphenyl-d14	75	(30 - 102)

NOTE(S):

* Surrogate recovery is outside stated control limits.

Results and reporting limits have been adjusted for dry weight.

CONOCO INC.

Client Sample ID: ZIA BOOSTER

TOTAL Metals

Lot-Sample #...: D1L200203-007 Matrix.....: SOLID
Date Sampled...: 12/14/01 15:35 Date Received..: 12/19/01

PARAMETER	RESULT	REPORTING LIMIT	UNITS	METHOD	PREPARATION-ANALYSIS DATE	WORK ORDER #
Prep Batch #...: 1361278						
Mercury	ND	0.033	mg/kg	SW846 7471A	12/28/01	EQT721AT
		Dilution Factor: 1		Analysis Time..: 20:28		
Prep Batch #...: 2002308						
Silver	ND	1.0	mg/kg	SW846 6010B	01/03/02	EQT721AU
		Dilution Factor: 1		Analysis Time..: 16:30		
Arsenic	0.47 B	1.0	mg/kg	SW846 6010B	01/03/02	EQT721AV
		Dilution Factor: 1		Analysis Time..: 16:30		
Barium	0.59 B	1.0	mg/kg	SW846 6010B	01/03/02	EQT721AW
		Dilution Factor: 1		Analysis Time..: 16:30		
Cadmium	ND	0.51	mg/kg	SW846 6010B	01/03/02	EQT721AX
		Dilution Factor: 1		Analysis Time..: 16:30		
Chromium	0.28 B	1.0	mg/kg	SW846 6010B	01/03/02	EQT721A0
		Dilution Factor: 1		Analysis Time..: 16:30		
Lead	0.63 B	0.81	mg/kg	SW846 6010B	01/03/02	EQT721A1
		Dilution Factor: 1		Analysis Time..: 16:30		
Selenium	0.81 B	1.3	mg/kg	SW846 6010B	01/03/02	EQT721A2
		Dilution Factor: 1		Analysis Time..: 16:30		

NOTE(S):

Results and reporting limits have been adjusted for dry weight.

B Estimated result. Result is less than RL.

CONOCO INC.

Client Sample ID: ZIA BOOSTER

General Chemistry

Lot-Sample #...: D1L200203-007 Work Order #...: EQT72 Matrix.....: SOLID
Date Sampled...: 12/14/01 15:35 Date Received..: 12/19/01

PARAMETER	RESULT	RL	UNITS	METHOD	PREPARATION-ANALYSIS DATE	PREP BATCH #
pH	4.8	0.10	No Units	SW846 9045C	12/31-01/08/02	1365321
		Dilution Factor: 1		Analysis Time..: 12:00		
Ignitability	NO	--	deg F	SW846 SECTION 7.1	01/04/02	2004272
		Dilution Factor: 1		Analysis Time..: 12:00		
Percent Moisture	1.0	0.10	%	MCAWW 160.3 MOD	01/02-01/02/01	2003311
		Dilution Factor: 1		Analysis Time..: 15:00		
Reactive Cyanide	ND	1.0	mg/kg	SW846 7.3.3	12/28/01	1362368
		Dilution Factor: 1		Analysis Time..: 14:00		
Reactive Sulfide	1.6 B,J	50.0	mg/kg	SW846 7.3.4	12/28-12/31/01	1362244
		Dilution Factor: 1		Analysis Time..: 12:00		

NOTE(S):

RL Reporting Limit

B Estimated result. Result is less than RL.

J Method blank contamination. The associated method blank contains the target analyte at a reportable level.

Hobbs, NM 88241-1980
District II - (505) 748-1283
811 S. First
Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Road
Aztec, NM 87410
District IV - (505) 827-7131

Energy Minerals and Natural Resources Department
Oil Conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

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Environmental Bureau
Oil Conservation Division

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District Of

02 FEB 19 PM 2:33

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☒ Verbal Approval Received: Yes ☐ No ☐	4. Generator Electric Submersib PUMP
	5. Originating Site Hobbs Yard
2. Management Facility Destination SUNDANCE SERVICES INC.	6. Transporter unknown
3. Address of Facility Operator P.O. BOX 1737 Eunice NM 88231	8. State NEW MEXICO
7. Location of Material (Street Address or ULSTR) 8426 N. Dal Paso	Hobbs, NM 88241

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:

The following analytical results are from Electric Submersible Pump's Hobbs facility. This waste is generated by the washing off of oil field rental tools. All equipment is washed into the sump and pumped to a waste water tank outside the building in a bermed area. I have attached a certificate of waste and chain of custody. Sundance would like approval to accept this material into our Parabo facility.

Estimated Volume 240 bbls. cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE: Donna L. Roach (Waste Management Facility Authorized Agent) TITLE: OFFICE MGR DATE: 2-1-02

TYPE OR PRINT NAME: DONNA L. ROACH TELEPHONE NO. 505-394-2511

(This space for State Use)

APPROVED BY: _____ TITLE: Environmental Engr DATE: 2-14-02

APPROVED BY: _____ TITLE: Environmental Geologist DATE: 2-20-02

CERTIFICATE OF WASTE STATUS

NON-EXEMPT WASTE MATERIAL

ORIGINATING LOCATION: ESP 8426 N DAL PASO HOBBS NM 88240

SOURCE: OILFIELD RINSATE

DISPOSAL LOCATION: SUNDANCE SERVICES, PARABO FACILITY,
P.O. BOX 1737 EUNICE NM 88231

As a condition of acceptance for disposal, I hearby 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 no "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has been added or mixed with the waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, Section 261.3.

I, the undersigned as the agent for ESP concur with the status of the waste from the subject site.

Name Rodrigo Barrera

Title/Angency ESP

Address 8426 N DAL PASO
HOBBS NM 88240

Signature Rodrigo Barrera

Date 1-28-02

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

CARDINAL 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 ____

Company Name: Wood Group ESP	BILL TO
Project Manager: Rodrigo Bustamante	P.O. #: 9904
Address: 8426 N. Dal Paso	Company:
City: Hobbs State: N.M. Zip: 88240	Attn:
Phone #: (505) 392-7999 Fax #: (505) 392-8190	Address:
Project #: Project Owner:	City:
Project Name:	State: Zip:
Project Location:	Phone #:
Sampler Name:	Fax #:

ANALYSIS REQUEST: TCLP

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER:	PRESERV: ACID/BASE	ICE / COOL	OTHER:	SAMPLING: DATE	TIME	TCLP
H6126-1	Test Water				X								7/9/01		X

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 the client for the 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 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.

Terms and Conditions: Interest will be charged on all accounts more than 30 days past due at the rate of 24% per annum from the original date of invoice, and all costs of collections, including attorney's fees.

Sampler Relinquished: Rodrigo Bustamante	Date:	Received By:	
	Time:		
Relinquished By:	Date: 7/9/01	Received By: (Lab Staff)	
	Time: 9:60		
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Sample Condition: Cool: Yes / No; Intact: Yes / No	CHECKED BY: (Initials)	

Phone Result: ☐ Yes ☐ No Add'l Phone #:
Fax Result: ☐ Yes ☐ No Add'l Fax #:
REMARKS:

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476.

CARDINAL LABORATORIES

PHONE (915) 673-7001 • 2111 BEECHWOOD • ABILENE, TX 79603
PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
WOOD GROUP ESP
ATTN: RODRIGO-BURROLA
8426 N. DAL PASO
HOBBS, NM 88240
FAX TO: (505) 392-8190

Receiving Date: 09/04/01
Reporting Date: 09/05/01
Project Number: NOT GIVEN
Project Name: NOT GIVEN
Project Location: NOT GIVEN
Lab Number: H6128-1
Sample ID: TEST WATER

Analysis Date: 09/04/01
Sampling Date: 09/04/01
Sample Type: WASTEWATER
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: BC

TCLP VOLATILES (ppm)	EPA LIMIT	Sample Result H6128-1	Method Blank	QC	%Recov.	True Value QC
Vinyl Chloride	0.20	<0.005	<0.005	0.106	106	0.100
1,1-Dichloroethylene	0.7	<0.005	<0.005	0.092	92	0.100
Methyl Ethyl Ketone	200	<0.050	<0.050	0.115	115	0.100
Chloroform	6.0	<0.005	<0.005	0.091	91	0.100
1,2-Dichloroethane	0.5	<0.005	<0.005	0.088	88	0.100
Benzene	0.5	0.011	<0.005	0.096	96	0.100
Carbon Tetrachloride	0.5	<0.005	<0.005	0.090	90	0.100
Trichloroethylene	0.5	0.104	<0.005	0.098	98	0.100
Tetrachloroethylene	0.7	<0.005	<0.005	0.084	84	0.100
Chlorobenzene	100	<0.005	<0.005	0.096	96	0.100
1,4-Dichlorobenzene	7.5	<0.005	<0.005	0.089	89	0.100

	% RECOVERY
Dibromofluoromethane	103
Toluene-d8	111
Bromofluorobenzene	108

METHODS: EPA SW 846-8260, 1311

Burgess J. A. Cooke, Ph. D.

9/5/01
Date

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ANALYTICAL RESULTS FOR
WOOD GROUP ESP
ATTN: RODRIGO BURROLA
8426 N. DAL PASO
HOBBS, NM 88240
FAX TO: (505) 392-8190

Receiving Date: 09/04/01
Reporting Date: 09/11/01
Project Number: NOT GIVEN
Project Name: NOT GIVEN
Project Location: NOT GIVEN
Lab Number: H6128-1
Sample ID: TEST WATER

Extraction Date: 09/04/01
Analysis Date: 09/10/01
Sampling Date: 09/04/01
Sample Type: WASTEWATER
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: BC

TCLP SEMIVOLATILES (ppm)	EPA LIMIT	Sample Result H6128-1	Method Blank	QC	% Recov.	True Value QC
Pyridine	5.00	<0.020	<0.005	0.006	12	0.050
1,4-Dichlorobenzene	7.50	<0.020	<0.005	0.028	56	0.050
o-Cresol	200	<0.020	<0.005	0.036	72	0.050
m, p-Cresol	200	<0.020	<0.005	0.036	72	0.050
Hexachloroethane	3.00	<0.020	<0.005	0.024	48	0.050
Nitrobenzene	2.00	<0.020	<0.005	0.044	88	0.050
Hexachloro-1,3-butadiene	0.500	<0.020	<0.005	0.029	58	0.050
2,4,6-Trichlorophenol	2.00	<0.020	<0.005	0.043	86	0.050
2,4,5-Trichlorophenol	400	<0.020	<0.005	0.042	84	0.050
2,4-Dinitrotoluene	0.130	<0.020	<0.005	0.046	92	0.050
Hexachlorobenzene	0.130	<0.020	<0.005	0.047	94	0.050
Pentachlorophenol	100	<0.020	<0.005	0.051	102	0.050

	% RECOVERY
Fluorophenol	36
Phenol-d5	24
Nitrobenzene-d5	75
2-Fluorobiphenyl	59
2,4,6-Tribromophenol	39
Terphenyl-d14	75

METHODS: EPA SW 846-8270, 1311, 3510

Burgess J.A. Cooke, Ph. D.

9/11/01
Date

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ANALYTICAL RESULTS FOR
WOOD GROUP ESP
ATTN: RODRIGO BURROLA
8426 N. DAL PASO
HOBBS, NM 88240
FAX TO: (505) 392-8190

Receiving Date: 09/04/01
Reporting Date: 09/07/1
Project Number: NOT GIVEN
Project Name: NOT GIVEN
Project Location: NOT GIVEN

Sampling Date: 09/04/01
Sample Type: WASTEWATER
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:	09/05/01	09/05/01	09/05/01	09/06/01
H6128-1	Not reactive	Not reactive	7.17	>140
Quality Control	NR	NR	6.94	NR
True Value QC	NR	NR	7.00	NR
% Recovery	NR	NR	99.1	NR
Relative Percent Difference	NR	NR	0.7	NR

METHOD: EPA SW 846-7.3, 7.2, 1010, 1311, *40 CFR 261*

Chemist

9/7/01
Date

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H6128-1

CARDINAL LABORATORIES

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PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
WOOD GROUP ESP
ATTN: RODRIGO BURROLA
8426 N. DAL PASO
HOBBS, NM 88240
FAX TO: (505) 392-8190

Receiving Date: 09/04/01
Reporting Date: 09/07/01
Project Number: NOT GIVEN
Project Name: NOT GIVEN
Project Location: NOT GIVEN

Sampling Date: 09/04/01
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:		09/06/01	09/07/01	09/07/01	09/07/01	09/07/01	09/07/01	09/07/01	09/06/01
EPA LIMITS:		5	5	100	1	5	5	0.2	1
H6128-1	TEST WATER	<1	<1	<5	<0.1	<1	<1	<0.02	<0.1
Quality Control		0.048	4.530	21.90	0.994	4.878	5.062	0.0107	0.199
True Value QC		0.050	5.000	25.00	1.000	5.000	5.000	0.0100	0.200
% Recovery		96.0	90.6	87.6	99.4	97.6	101	107	99.5
Relative Standard Deviation		2.2	0.2	1.4	0.7	0.9	1.4	6.5	2.2
METHODS: EPA 1311, 600/4-79-		206.2	272.1	208.1	213.1	218.1	239.1	245.1	270.2

Amy Hill
Chemist

9-7-01
Date

H6128M.XLS

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District II - (505) 748-1283
811 S. First
Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Road
Aztec, NM 87410
District IV - (505) 827-7131

Energy Minerals and Natural Resources Department
Oil Conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

RECEIVED
FEB 20 2002
Environmental Bureau
Oil Conservation Division

Originated

Submit C
Plus
to appr
District

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☒	4. Generator HALLIBURTON
Verbal Approval Received: Yes ☐ No ☐	5. Originating Site HOBBS FACII
2. Management Facility Destination SUNDANCE SERVICES INC.	6. Transporter CHAPARRAL
3. Address of Facility Operator P.O. BOX 1737 Eunice NM 88231	8. State NEW MEXICO
7. Location of Material (Street Address or ULSTR) 5801 Lovington HWy Hobbs, NM 88240	

9. Circle One:

A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from t Generator; one certificate per job.

(B.) All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous l listing or testing will be approved.

All transporters must certify the wastes delivered are only those consigned for transport.

BRIEF DESCRIPTION OF MATERIAL:

The following waste is generated by the washing of tools and oil equipment. This analytical is from Halliburtons Hobbs facility. Sundance would like approval to acppet this waste into our Parabo facility.

This waste Stream was sampled 12-12-00. The Analysis is 2 years old. Please Resample and Analize prior to Next C-138 ~~Approval~~ Submittal. Samples Must Be Preserved which includes Ice and the Laboratory must Note the temperature at which it was recieved. ≤ 4°C mjk

Estimated Volume ~~300 bbls~~ cy Known Volume (to be entered by the operator at the end of the haul) _____ c

SIGNATURE: _____ TITLE: OFFICE MGR DATE: 2-1-02
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: DONNA L. ROACH TELEPHONE NO. 505-394-2511

(This space for State Use)

APPROVED BY: _____ TITLE: Environmental Engr DATE: 2-14-02

APPROVED BY: _____ TITLE: Environmental Geologist DATE: 2-20-02

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, N.M

GENERATING SITE Same

COUNTY Lea STATE N.M.

TYPE OF WASTE Washrack Grit

ESTIMATED VOLUME 300 BBLS

GENERATING PROCESS Washing of Oilfield equipment returning from Location

REMARKS ——

NMOCD FACILITY Sundance

TRUCKING COMPANY Key Energy

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 Harvey Price
PRINTED

ADDRESS 5801 Lovington Hwy
Hobbs N.M. 88240

DATE Feb. 1, 2002

CARDINAL LABORATORIES, INC.

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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 ____

Company Name:	HALLIBURTON ENERGY SERVICES	BILL TO	
Project Manager:	SCOTT NELSON	P.O. #:	
Address:	5801 LOVINGTON HWY	Company:	
City:	HOBBS State: NM Zip: 88240	Attn:	
Phone #:	Fax #:	Address:	
Project #:	Project Owner:	City:	
Project Name:	WASH BAY SUMP	State: Zip:	
Project Location:	HOBBS YARD	Phone #:	
Sampler Name:		Fax #:	

FOR LAB USE ONLY				MATRIX							PRESERV.			SAMPLING		ANALYSIS REQUEST													
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	TCLP	TPH 418.1													
H5422-1	wash bay Sludge							X					12/12	1:15	✓	✓													

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Terms and Conditions: Interest will be charged on all accounts more than 30 days past due at the rate of 24% per annum from the original date of invoice, and all costs of collection, including attorney's fees.

Sampler Relinquished:	Date: 12/12/00	Received By:	Phone Result:	☐ Yes	☐ No
Relinquished By:	Time: 1:35		Fax Result:	☐ Yes	☐ No
	Date:	Received By: (Lab Staff)	Add'l Phone #:		
	Time:		Add'l Fax #:		

REMARKS:

1 - TCLP - Complete - 1150
1 - TPH, 418.1 55
STATE TAX 72.30
$ 1277.30

Delivered By: (Circle One)
Sampler - UPS - Bus - Other:

Sample Condition: Cool ☑ Yes ☐ No; Intact ☑ Yes ☐ No

CHECKED BY: (Initials)

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476.

2-20-2000 02:34pm FROM-HALLIBURTON HOBBS 5053932092 T-051 P.01/01 F-050

CARDINAL LABORATORIES

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PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
HALLIBURTON ENERGY SERVICES
ATTN: SCOTT NELSON
6801 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: HOBBS YARD
Sample ID: WASHBAY SLUDGE
Lab Number: H5422-1

Analysis Date: 12/13/00
Sampling Date: 12/12/00
Sample Type: SLUDGE
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: BC

TCLP VOLATILES (ppm)	EPA LIMIT	Sample Result H5422-1	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-Dichlorbethane	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	<0.005	<0.005	0.104	104	0.100

	% RECOVERY
Dibromofluoromethane	95
Toluene-d8	91
Bromofluorobenzene	98

METHODS: EPA SW 846-8260, 1311

Burgess J. A. Cooke, Ph. D.

12/14/00
Date

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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: HOBBS 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)
H5422-1	WASHBAY SLUDGE	77300
Quality Control		228
True Value QC		240
% Recovery		95.0
Relative Percent Difference		4.0

METHOD: EPA 600/4-79-020 418.1

Chemist

12/18/00
Date

H5422T.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: HOBBS YARD
Sample ID: WASHBAY SLUDGE
Lab Number: H5422-1

Analysis Date: 12/13/00
Sampling Date: 12/12/00
Sample Type: SLUDGE
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: BC

TCLP SEMIVOLATILES (ppm)	EPA LIMIT	Sample Result H5422-1	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	0.048	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	56
Phenol-d5	40
Nitrobenzene-d5	104
2-Fluorobiphenyl	68
2,4,6-Tribromophenol	89
Terphenyl-d14	81

METHODS: EPA SW 846-8270, 1311, 3510

Burgess J. A. Cooke, Ph. D.

12/14/00
Date

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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: HOBBS 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)	REACTIVITY Cyanide (ppm)	CORROSIVITY (pH)	IGNITABILITY (°F)
ANALYSIS DATE:		12/14/00	12/14/00	12/16/00	12/16/00
H5422-1	WASHBAY SLUDGE	Not reactive	Not reactive	7.65	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

12/18/00
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.

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PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
HALLIBURTON ENERGY SERVICES
ATTN: SCOTT NELSON
6801 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: HOBBS YARD

Sampling Date: 12/12/00
Sample Type: SLUDGE
Sample Condition: COOL & INTACT
Sample Received By: AH
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
H5422-1	WASHBAY SLUDGE	<1	<1	<5	<0.1	<1	<1	<0.02	<0.1
Quality Control		0.193	4.719	44.66	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	0.6	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

H5422M.XLS

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Energy Minerals and Natural Resources Department
Oil Conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

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Oil Conservation Division

Form C-1
Originated 8/8

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District Of

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☐ Non-Exempt: ☒	4. Generator Electric Submersib PUMP
Verbal Approval Received: Yes ☐ No ☐	5. Originating Site Hobbs Yard
2. Management Facility Destination SUNDANCE SERVICES INC.	6. Transporter unknown
3. Address of Facility Operator P.O. BOX 1737 Eunice NM 88231	8. State NEW MEXICO
7. Location of Material (Street Address or ULSTR) 8426 N. Dal Paso	Hobbs, NM 88241

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:

The following analytical results are from Electric Submersible Pump's Hobbs facility. This waste is generated by the washing off of oil field rental tools. All equipment is washed into the sump and pumped to a waste water tank outside the building in a bermed area. I have attached a certificate of waste and chain of custody. Sundance would like approval to accept this material into our Parabo facility.

Estimated Volume 240 bbls. cy Known Volume (to be entered by the operator at the end of the haul) _____ cy

SIGNATURE: Donna L. Roach (Waste Management Facility Authorized Agent) TITLE: OFFICE MGR DATE: 1-10-02

TYPE OR PRINT NAME: DONNA L. ROACH TELEPHONE NO. 505-394-2511

(This space for State Use)

APPROVED BY: _____ TITLE: Environmental Engr DATE: 1-16-02

APPROVED BY: _____ TITLE: Environmental Geologist DATE: 01/22/02

CERTIFICATE OF WASTE STATUS

NON-EXEMPT WASTE MATERIAL

ORIGINATING LOCATION: ESP 8426 N. Dal Paso Hobbs, N.M. 88240

SOURCE: Oilfield Rinsate

DISPOSAL LOCATION: SUNDANCE SERVICES INC.

As a condition of acceptance for disposal, I hearby 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 no "hazardous or listed waste" pursuant to the provisions of 40 CFR, Part 261, Subparts C and D, has been added or mixed with the waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40 CFR, Section 261.3.

I, the undersigned as the agent for ESP concur with the status of the waste from the subject site.

Name Rodrigo Burrola

Title/Agency Supervisor / ESP

Address 8426 N. Dal Paso
Hobbs, N.M. 88240

Signature Rodrigo Burrola

Date 1-4-2002

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

CARDINAL LABORATORIES, INC.

2111 Beechwood, Abilene, TX 79603 (915) 673-7001 Fax (915) 673-7020

101 East Marland, Hobbs, NM 88240 (505) 393-2326 Fax (505) 393-2476

Page____ of ____

Company Name: Wood Group ESP	BILL TO
Project Manager: Rodrigo Bustos	P.O. #: 9904
Address: 8426 N. Dal Paso	Company:
City: Hobbs State: N.M. Zip: 88240	Attn:
Phone #: (505) 392-7999 Fax #: (505) 392-8190	Address:
Project #: Project Owner:	City:
Project Name:	State: Zip:
Project Location:	Phone #:
Sampler Name:	Fax #:

FOR LAB USE ONLY Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX: GROUNDWATER	WASTEWATER	SOIL	CRUDE OIL	SLUDGE	OTHER:	PRESERV: ACID/BASE:	ICE / COOL	OTHER:	SAMPLING: DATE	TIME	ANALYSIS REQUEST: TCLP
H6128-1	Test Water				X								7/9/01		X

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 the client for the 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 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.

Terms and Conditions: Interest will be charged on all accounts more than 30 days past due at the rate of 24% per annum from the original date of invoice, and all costs of collections, including attorney's fees.

Sampler Relinquished: Rodrigo Bustos	Date:	Received By:	Phone Result: ☐ Yes ☐ No Add'l Phone #:
	Time:		Fax Result: ☐ Yes ☐ No Add'l Fax #:
Relinquished By:	Date: 7/9/01 Time: 9:60	Received By: (Lab Staff)	REMARKS:
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Sample Condition: Cool: ☒ Yes ☐ No Intact: ☒ Yes ☐ No	CHECKED BY: (Initials)

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476.

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PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
WOOD GROUP ESP
ATTN: RODRIGO BURROLA
8426 N. DAL PASO
HOBBS, NM 88240
FAX TO: (505) 392-8190

Receiving Date: 09/04/01
Reporting Date: 09/05/01
Project Number: NOT GIVEN
Project Name: NOT GIVEN
Project Location: NOT GIVEN
Lab Number: H6128-1
Sample ID: TEST WATER

Analysis Date: 09/04/01
Sampling Date: 09/04/01
Sample Type: WASTEWATER
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: BC

TCLP VOLATILES (ppm)	EPA LIMIT	Sample Result H6128-1	Method Blank	QC	%Recov.	True Value QC
Vinyl Chloride	0.20	<0.005	<0.005	0.106	106	0.100
1,1-Dichloroethylene	0.7	<0.005	<0.005	0.092	92	0.100
Methyl Ethyl Ketone	200	<0.050	<0.050	0.115	115	0.100
Chloroform	6.0	<0.005	<0.005	0.091	91	0.100
1,2-Dichloroethane	0.5	<0.005	<0.005	0.088	88	0.100
Benzene	0.5	0.011	<0.005	0.096	96	0.100
Carbon Tetrachloride	0.5	<0.005	<0.005	0.090	90	0.100
Trichloroethylene	0.5	0.104	<0.005	0.098	98	0.100
Tetrachloroethylene	0.7	<0.005	<0.005	0.084	84	0.100
Chlorobenzene	100	<0.005	<0.005	0.096	96	0.100
1,4-Dichlorobenzene	7.5	<0.005	<0.005	0.089	89	0.100

	% RECOVERY
Dibromofluoromethane	103
Toluene-d8	111
Bromofluorobenzene	108

METHODS: EPA SW 846-8260, 1311

Burgess J. A. Cooke, Ph. D.

9/5/01
Date

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ANALYTICAL RESULTS FOR
WOOD GROUP ESP
ATTN: RODRIGO BURROLA
8426 N. DAL PASO
HOBBS, NM 88240
FAX TO: (505) 392-8190

Receiving Date: 09/04/01
Reporting Date: 09/11/01
Project Number: NOT GIVEN
Project Name: NOT GIVEN
Project Location: NOT GIVEN
Lab Number: H6128-1
Sample ID: TEST WATER

Extraction Date: 09/04/01
Analysis Date: 09/10/01
Sampling Date: 09/04/01
Sample Type: WASTEWATER
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: BC

TCLP SEMIVOLATILES (ppm)	EPA LIMIT	Sample Result H6128-1	Method Blank	QC	% Recov.	True Value QC
Pyridine	5.00	<0.020	<0.005	0.006	12	0.050
1,4-Dichlorobenzene	7.50	<0.020	<0.005	0.028	56	0.050
o-Cresol	200	<0.020	<0.005	0.036	72	0.050
m, p-Cresol	200	<0.020	<0.005	0.036	72	0.050
Hexachloroethane	3.00	<0.020	<0.005	0.024	48	0.050
Nitrobenzene	2.00	<0.020	<0.005	0.044	88	0.050
Hexachloro-1,3-butadiene	0.500	<0.020	<0.005	0.029	58	0.050
2,4,6-Trichlorophenol	2.00	<0.020	<0.005	0.043	86	0.050
2,4,5-Trichlorophenol	400	<0.020	<0.005	0.042	84	0.050
2,4-Dinitrotoluene	0.130	<0.020	<0.005	0.046	92	0.050
Hexachlorobenzene	0.130	<0.020	<0.005	0.047	94	0.050
Pentachlorophenol	100	<0.020	<0.005	0.051	102	0.050

	% RECOVERY
Fluorophenol	36
Phenol-d5	24
Nitrobenzene-d5	75
2-Fluorobiphenyl	59
2,4,6-Tribromophenol	39
Terphenyl-d14	75

METHODS: EPA SW 846-8270, 1311, 3510

Burgess J.A. Cooke, Ph. D.

9/11/01
Date

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ANALYTICAL RESULTS FOR
WOOD GROUP ESP
ATTN: RODRIGO BURROLA
8426 N. DAL PASO
HOBBS, NM 88240
FAX TO: (505) 392-8190

Receiving Date: 09/04/01
Reporting Date: 09/07/1
Project Number: NOT GIVEN
Project Name: NOT GIVEN
Project Location: NOT GIVEN

Sampling Date: 09/04/01
Sample Type: WASTEWATER
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:	09/05/01	09/05/01	09/05/01	09/06/01
H6128-1	Not reactive	Not reactive	7.17	>140
Quality Control	NR	NR	6.94	NR
True Value QC	NR	NR	7.00	NR
% Recovery	NR	NR	99.1	NR
Relative Percent Difference	NR	NR	0.7	NR

METHOD: EPA SW 846-7.3, 7.2, 1010, 1311, *40 CFR 261*

Chemist

9/7/01
Date

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ANALYTICAL RESULTS FOR
WOOD GROUP ESP
ATTN: RODRIGO BURROLA
8426 N. DAL PASO
HOBBS, NM 88240
FAX TO: (505) 392-8190

Receiving Date: 09/04/01
Reporting Date: 09/07/01
Project Number: NOT GIVEN
Project Name: NOT GIVEN
Project Location: NOT GIVEN

Sampling Date: 09/04/01
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:		09/06/01	09/07/01	09/07/01	09/07/01	09/07/01	09/07/01	09/07/01	09/06/01
EPA LIMITS:		5	5	100	1	5	5	0.2	1
H6128-1	TEST WATER	<1	<1	<5	<0.1	<1	<1	<0.02	<0.1
Quality Control		0.048	4.530	21.90	0.994	4.878	5.062	0.0107	0.199
True Value QC		0.050	5.000	25.00	1.000	5.000	5.000	0.0100	0.200
% Recovery		96.0	90.6	87.6	99.4	97.6	101	107	99.5
Relative Standard Deviation		2.2	0.2	1.4	0.7	0.9	1.4	6.5	2.2
METHODS: EPA 1311, 600/4-79		206.2	272.1	208.1	213.1	218.1	239.1	245.1	270.2

Amy Hill
Chemist

9-7-01
Date

H6128M.XLS

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1000 Rio Brazos Road
Aztec, NM 87410
District IV - (505) 827-7131

Energy Minerals and Natural Resources Department
Oil Conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

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REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: [x] Non-Exempt: [ ] Verbal Approval Received: Yes [ ] No [ ]	4. Generator Seminole Pipel 5. Originating Site Gaines
2. Management Facility Destination SUNDANCE SERVICES INC.	6. Transporter Rameriz
3. Address of Facility Operator P.O. BOX 1737 Eunice NM 88231	8. Stat Texas
7. Location of Material (Street Address or ULSTR) RRC# P002607	

9. Circle One:

A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from Generator; one certificate per job.

(B.) All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analys PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardou listing or testing will be approved.

All transporters must certify the wastes delivered are only those consigned for transport.

BRIEF DESCRIPTION OF MATERIAL:

Salt contaminated soil generated by pumping brine water down into storage cell to raise gas.

Estimated Volume 22,000 cy Known Volume (to be entered by the operator at the end of the haul) _____

SIGNATURE: Donna Roach TITLE: OFFICE MGR DATE: 1-23-02
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: DONNA L. ROACH TELEPHONE NO. 505-394-2511

(This space for State Use)

APPROVED BY: _____ TITLE: _____ DATE: _____

APPROVED BY: Martyn J. Kh TITLE: Environmental Geologist DATE: 1-23-02

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Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Road
Aztec, NM 87410
District IV - (505) 827-7131

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Oil Conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

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REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: [X] Non-Exempt: [ ] Verbal Approval Received: Yes [ ] No [ ]	4. Generator Mid-America 5. Originating Site Hobbs #1
2. Management Facility Destination SUNDANCE SERVICES INC.	6. Transporter Rameriz
3. Address of Facility Operator P.O. BOX 1737 Eunice NM 88231	8. State Texas
7. Location of Material (Street Address or ULSTR) RRC# P002575	

9. Circle One:

A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from Generator; one certificate per job.

(B.) All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analys PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardou listing or testing will be approved.

All transporters must certify the wastes delivered are only those consigned for transport.

BRIEF DESCRIPTION OF MATERIAL:

Salt Contaminated soil generated by pumping brine into storage cell to raise gas product.

Estimated Volume 1000 cy Known Volume (to be entered by the operator at the end of the haul) _____

SIGNATURE: Donna Roach TITLE: OFFICE MGR DATE: 1-23-02
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: DONNA L. ROACH TELEPHONE NO. 505-394-2511

(This space for State Use)

APPROVED BY: _____ TITLE: _____ DATE: _____

APPROVED BY: Martyna J Kly TITLE: Environmental Geologist DATE: 1-23-02

Hobbs, NM 88241-1980
District II - (505) 748-1283
811 S. First
Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Road
Aztec, NM 87410
District IV - (505) 827-7131

Energy Minerals and Natural Resources Department
Oil Conservation Division
2040 South Pacheco Street
Santa Fe, New Mexico 87505
(505) 827-7131

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REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: [x] Non-Exempt: [ ] Verbal Approval Received: Yes [ ] No [ ]	4. Generator MidAmerica 5. Originating Site Hobbs #2
2. Management Facility Destination SUNDANCE SERVICES INC.	6. Transporter Rameriz
3. Address of Facility Operator P.O. BOX 1737 Eunice NM 88231	8. State Texas
7. Location of Material (Street Address or ULSTR) RRC# P002576	

9. Circle One:

A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from Generator; one certificate per job.

(B.) All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analys PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardou listing or testing will be approved.

All transporters must certify the wastes delivered are only those consigned for transport.

BRIEF DESCRIPTION OF MATERIAL:

Salt contaminated soil generated by pumping brine into storage cell to raise gas product.

Estimated Volume 1000 cy Known Volume (to be entered by the operator at the end of the haul) _____

SIGNATURE: Donna Roach TITLE: OFFICE MGR DATE: 1-23-02
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: DONNA L. ROACH TELEPHONE NO. 505-394-2511

(This space for State Use)

APPROVED BY: _____ TITLE: _____ DATE: _____

APPROVED BY: Martyn J. Ki TITLE: Environmental Geologist DATE: 1-23-02

SUNDANCE SERVICES INC.
P.O. BOX 1737
EUNICE, NM 88231
505-394-2511
505-394-2590FAX

FACSIMILE TRANSMITTAL SHEET

TO: Martyne	FROM: Donna
COMPANY: OCD	DATE: 1-23-02
FAX NUMBER: 476-3462	TOTAL NO. OF PAGES INCLUDING COVER: 4
PHONE NUMBER: 476-3488	SENDER'S REFERENCE NUMBER:
RE:	YOUR REFERENCE NUMBER:

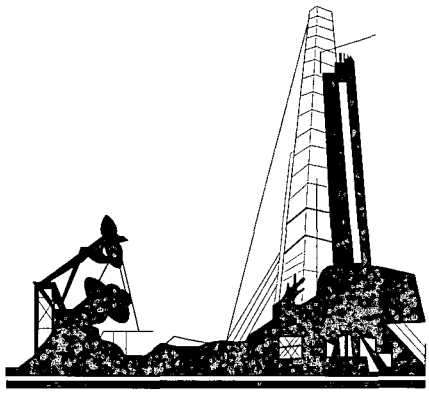
☐ URGENT ☐ FOR REVIEW ☐ PLEASE COMMENT ☐ PLEASE REPLY ☐ PLEASE RECYCLE

NOTES/COMMENTS:

Thanks for looking at this.

Please fax back ASAP!

Donna



TRANSMITTAL COVER SHEET

OIL CONSERVATION DIVISION
1220 S. ST. FRANCIS DRIVE
SANTA FE, NM 87505
(505) 476-3440
(505)476-3462 (Fax)

PLEASE DELIVER THIS FAX:

TO: Donna 505-394-2590

FROM: Martyne

DATE: 1-23-02

PAGES: 1 of 4

SUBJECT: C-138 Exempt

Clean copies are in the mail

Martyne

IF YOU HAVE TROUBLE RECEIVING THIS FAX, PLEASE CALL THE OFFICE NUMBER ABOVE.