

1R - 158

REPORTS

DATE:

9-29-1993

ENRON
Operations Company

11525 West Carlsbad Highway, Hobbs, New Mexico 88240 (505) 393-5109
September 29, 1993

State of New Mexico Oil Conservation Division
Mr. Bill Olsen
Hydrogeologist
P.O. Box 2088
Santa Fe, NM 87504

RECEIVED

7
DEC 05 1994 *red*

OIL CONSERVATION DIV.
SANTA FE

Dear Mr. Olsen,

Enclosed you will find the final analysis from the bottom hole soil samples taken from Hobbs #1, Hobbs #5 and .Hobbs #3 UST sites. Further excavation is not possible due to the solid rock encountered at the bottom of the excavation sites. Soil excavated at these sites is currently be placed on plastic and covered with plastic until we can haul it to the land farm at the Hobbs Plant, or be given permission from your office for removal to C & C Land Farm for remediation. Clean backfill soil is being purchased to backfill the open excavations, and at this time we would like final closure at these sites. Please contact me if I can be of further assistance at (505)393-5109 ex 25.

Sincerely,

Mike Kneese

Mike Kneese
Environmental Field Technician

xc: Akhtar Alvi
Lou Soldano
Dennis Howell
file w/attachments



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FINAL ANALYSIS REPORT

Company: Enron Gas Processing
Address: 11525 W. Carlsbad Hwy.
City, State: Hobbs, NM 88240

Date: 9/28/93
Lab #: H1795

Project Name: Hobbs #1 Tank Removal
Location: Hobbs #1

Sampled by: MK Date: 9/19/93 Time: 10:00
Analyzed by: MF Date: 9/20/93 Time: 9:23
Sample Type: Soil Sample Condition: GIST

Units: mg/kg

Samp #	Field Code	TRPHC	BENZENE	TOLUENE	ETHYL BENZENE	PARA-XYLENE	META-XYLENE	ORTHO-XYLENE
1	9319093-Used Oil Tank Bottom	83.4	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
2	9319094-New Oil Storage Bottom	3.4	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
3	9319095-Glycol Storage Bottom	508.2	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
4	9319096-Pipeline Liquid	28.3	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001

QC Recovery	435.2	1.004	0.865	0.978	0.956	0.958	0.993
QC Spike	405.9	0.881	0.865	0.869	0.866	0.860	0.886
Accuracy	107.2%	113.8%	100.0%	112.5%	110.4%	111.4%	112.1%
Air Blank	***	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001

Methods - GAS CHROMATOGRAPHY; INFRARED SPECTROSCOPY
- EPA SW-846; 8020, 418.1, 3540 OR 3510


Michael R. Fowler

9-28-93
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TCLP ANALYSIS REPORT

Company: Enron Gas Processing
Address: 11525 W. Carlsbad Hwy.
City, State: Hobbs, NM 88240

Date: 9/28/93
Lab #: H1795-1

Project Name: Hobbs #1 Tank Removal
Location: Hobbs #1
Sampled by: MK
Sample Type: Soil

Date: 9/19/93
Sample Condition: GIST

Sample ID: 9319093 - Used Oil Tank Bottom

TCLP INORGANICS (Leachate)

<u>PARAMETER</u>	<u>RESULT</u>	<u>UNITS</u>
Silver	<0.1	mg/L
Arsenic	<0.1	mg/L
Barium	2.0	mg/L
Cadmium	<0.1	mg/L
Chromium	<0.1	mg/L
Mercury	<0.1	mg/L
Lead	<0.1	mg/L
Selenium	<0.1	mg/L

METHODS: TCLP INORGANICS (Leachate) - EPA 1311/7000


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TCLP ANALYSIS REPORT

Company: Enron Gas Processing
Address: 11525 W. Carlsbad Hwy.
City, State: Hobbs, NM 88240

Date: 9/28/93
Lab #: H1795-2

Project Name: Hobbs #1 Tank Removal
Location: Hobbs #1
Sampled by: MK
Sample Type: Soil

Date: 9/19/93
Sample Condition: GIST

Sample ID: 9319094 - New Oil Storage Bottom

TCLP INORGANICS (Leachate)

<u>PARAMETER</u>	<u>RESULT</u>	<u>UNITS</u>
Silver	<0.1	mg/L
Arsenic	<0.1	mg/L
Barium	2.0	mg/L
Cadmium	<0.1	mg/L
Chromium	<0.1	mg/L
Mercury	<0.1	mg/L
Lead	<0.1	mg/L
Selenium	<0.1	mg/L

METHODS: TCLP INORGANICS (Leachate) - EPA 1311/7000


Michael R. Fowler

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TCLP ANALYSIS REPORT

Company: Enron Gas Processing
Address: 11525 W. Carlsbad Hwy.
City, State: Hobbs, NM 88240

Date: 9/28/93
Lab #: H1795-3

Project Name: Hobbs #1 Tank Removal
Location: Hobbs #1
Sampled by: MK
Sample Type: Soil

Date: 9/19/93
Sample Condition: GIST

Sample ID: 9319095 - Glycol Storage Bottom

TCLP INORGANICS (Leachate)

<u>PARAMETER</u>	<u>RESULT</u>	<u>UNITS</u>
Silver	<0.1	mg/L
Arsenic	<0.1	mg/L
Barium	3.0	mg/L
Cadmium	<0.1	mg/L
Chromium	<0.1	mg/L
Mercury	<0.1	mg/L
Lead	<0.1	mg/L
Selenium	<0.1	mg/L

METHODS: TCLP INORGANICS (Leachate) - EPA 1311/7000


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TCLP ANALYSIS REPORT

Company: Enron Gas Processing
Address: 11525 W. Carlsbad Hwy.
City, State: Hobbs, NM 88240

Date: 9/28/93
Lab #: H1795-4

Project Name: Hobbs #1 Tank Removal
Location: Hobbs #1
Sampled by: MK
Sample Type: Soil

Date: 9/19/93
Sample Condition: GIST

Sample ID: 9319096 - Pipeline Liquid

TCLP INORGANICS (Leachate)

<u>PARAMETER</u>	<u>RESULT</u>	<u>UNITS</u>
Silver	<0.1	mg/L
Arsenic	<0.1	mg/L
Barium	1.0	mg/L
Cadmium	<0.1	mg/L
Chromium	<0.1	mg/L
Mercury	<0.1	mg/L
Lead	<0.1	mg/L
Selenium	<0.1	mg/L

METHODS: TCLP INORGANICS (Leachate) - EPA 1311/7000


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F I N A L A N A L Y S I S R E P O R T

Company: Enron Gas Processing
Address: 11525 W. Carlsbad Hwy.
City, State: Hobbs, NM 88240

Date: 9/28/93
Lab #: H1794

Project Name: Hobbs #3 Tank Removal
Location: Hobbs #3
Sampled by: MK
Analyzed by: MF
Sample Type: Soil

Date: 9/19/93 Time: 9:45
Date: 9/20/93 Time: 9:13
Sample Condition: GIST

Units: mg/kg

Samp #	Field Code	TRPHC	BENZENE	TOLUENE	ETHYL BENZENE	PARA-XYLENE	META-XYLENE	ORTHO-XYLENE
1	Used Glycol-Btm #9319091	170.2	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
2	Used Oil-Bottom #9319092	<1.0	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001

QC Recovery	435.2	1.004	0.865	0.978	0.956	0.958	0.993
QC Spike	405.9	0.881	0.865	0.869	0.866	0.860	0.886
Accuracy	107.2%	113.8%	100.0%	112.5%	110.4%	111.4%	112.1%
Air Blank	***	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001

Methods - GAS CHROMATOGRAPHY; INFRARED SPECTROSCOPY
- EPA SW-846; 8020, 418.1, 3540 OR 3510


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TCLP ANALYSIS REPORT

Company: Enron Gas Processing
Address: 11525 W. Carlsbad Hwy.
City, State: Hobbs, NM 88240

Date: 9/28/93
Lab #: H1794-1

Project Name: Hobbs #3 Tank Removal
Location: Hobbs #3
Sampled by: MK
Sample Type: Soil

Date: 9/19/93
Sample Condition: GIST

Sample ID: Hobbs 3 Used Glycol Bottom #9319091

TCLP INORGANICS (Leachate)

<u>PARAMETER</u>	<u>RESULT</u>	<u>UNITS</u>
Silver	<0.1	mg/L
Arsenic	<0.1	mg/L
Barium	2.0	mg/L
Cadmium	<0.1	mg/L
Chromium	<0.1	mg/L
Mercury	<0.1	mg/L
Lead	<0.1	mg/L
Selenium	<0.1	mg/L

METHODS: TCLP INORGANICS (Leachate) - EPA 1311/7000


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TCLP ANALYSIS REPORT

Company: Enron Gas Processing
Address: 11525 W. Carlsbad Hwy.
City, State: Hobbs, NM 88240

Date: 9/28/93
Lab #: H1794-2

Project Name: Hobbs #3 Tank Removal
Location: Hobbs #3
Sampled by: MK
Sample Type: Soil

Date: 9/19/93
Sample Condition: GIST

Sample ID: Hobbs 3 Used Oil Bottom #9319092

TCLP INORGANICS (Leachate)

<u>PARAMETER</u>	<u>RESULT</u>	<u>UNITS</u>
Silver	<0.1	mg/L
Arsenic	<0.1	mg/L
Barium	2.0	mg/L
Cadmium	<0.1	mg/L
Chromium	<0.1	mg/L
Mercury	<0.1	mg/L
Lead	<0.1	mg/L
Selenium	<0.1	mg/L

METHODS: TCLP INORGANICS (Leachate) - EPA 1311/7000


Michael R. Fowler

9/29/93
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FINAL ANALYSIS REPORT

Company: Enron Gas Processing
Address: 11525 W. Carlsbad Hwy.
City, State: Hobbs, NM 88240

Date: 8/29/93
Lab #: H1796

Project Name: Hobbs 5 Pit Closure
Location: Hobbs 5
Sampled by: MK
Analyzed by: MF
Sample Type: Soil

Date: 9/19/93 Time: 11:30
Date: 9/20/93 Time: 9:30
Sample Condition: GIST

Units: mg/kg

Samp #	Field Code	TRPHC	BENZENE	TOLUENE	ETHYL BENZENE	PARA-XYLENE	META-XYLENE	ORTHO-XYLENE
1	9319097-Pipeline Liquids Bottom	<1.0	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
2	9319098-Used Oil Bottom	325.8	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001

QC Recovery	435.2	1.004	0.865	0.978	0.956	0.958	0.993
QC Spike	405.9	0.881	0.865	0.869	0.866	0.860	0.886
Accuracy	107.2%	113.8%	100.0%	112.5%	110.4%	111.4%	112.1%
Air Blank	***	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001

Methods - GAS CHROMATOGRAPHY; INFRARED SPECTROSCOPY
- EPA SW-846; 8020, 418.1, 3540 OR 3510

Michael R. Fowler

9-29-93
Date



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TCLP ANALYSIS REPORT

Company: Enron Gas Processing
Address: 11525 W. Carlsbad Hwy.
City, State: Hobbs, NM 88240

Date: 9/28/93
Lab #: H1796-1

Project Name: Hobbs 5 Pit Closure
Location: Hobbs 5
Sampled by: MK
Sample Type: Soil

Date: 9/19/93
Sample Condition: GIST

Sample ID: 9319097 - Pipeline Liquids Bottom

TCLP INORGANICS (Leachate)

<u>PARAMETER</u>	<u>RESULT</u>	<u>UNITS</u>
Silver	<0.1	mg/L
Arsenic	0.2	mg/L
Barium	1.0	mg/L
Cadmium	<0.1	mg/L
Chromium	<0.1	mg/L
Mercury	<0.1	mg/L
Lead	<0.1	mg/L
Selenium	<0.1	mg/L

METHODS: TCLP INORGANICS (Leachate) - EPA 1311/7000


Michael R. Fowler

9-29-93
Date

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