

1R - 427 - 110

REPORTS

DATE:

10-15-2001

**RICE OPERATING COMPANY
JUNCTION BOX FINAL REPORT**

927-110

BOX LOCATION

SWD SYSTEM	JUNCTION	UNIT	SECTION	TOWNSHIP	RANGE	COUNTY	BOX DIMENSIONS - FEET		
							Length	Width	Depth
EME	C-1-1	C	1	20S	36E	LEA	11	10	6

LAND TYPE: BLM _____ STATE _____ FEE LANDOWNER EL PASO NATURAL GAS OTHER _____

Depth to Groundwater None feet NMOCD SITE ASSESSMENT RANKING SCORE: 0

Date Started 08/14/2001 Date Completed 09/18/2001 OCD Witness NO

Soil Excavated 100 cubic yards Excavation Length 22 Width 15 Depth 8 feet

Soil Disposed 48 cubic yards Offsite Facility South Monument Disposal Location MONUMENT,NM

FINAL ANALYTICAL RESULTS: Sample Date 10/08/2001 Sample Depth 8'

Procure 5-point composite sample of bottom and 4-point composite sample of sidewalls. TPH, BTEX and Chloride laboratory test results completed by using an approved lab and testing procedures pursuant to NMOCD guidelines.

Sample Location	Benzene mg/kg	Toluene mg/kg	Ethyl Benzene mg/kg	Total Xylenes mg/kg	GRO mg/kg	DRO mg/kg	Chlorides mg/kg
SIDEWALLS	<.025	<.025	<.025	<.025	<50	176	585
BOTTOM	<.025	<.025	<.025	<.025	<50	280	452
Boring @ 29'	<.025	<.025	<.025	<.025	<10	272	68

General Description of Remedial Action: A soil boring on this site, completed 9/18/01,
demonstrated a dramatic drop in TPH from 1620 ppm at 15'bgs to 352 ppm at 29' bgs. A lab verification of the 29' sample was 272 ppm TPH, all DRO. There are no water wells within a .75 mile radius of this site. Those wells to the south are 24-26' bgs. There are no wells in the section north of this site. The soil boring did not encounter any water to 29'. Based on the results of the soil boring (no ground water was found), and the "stranded pocket" of the remaining plume is aliphatic (long chain) fraction with no significant BTEX, the impact at this site poses no threat to public health or the environment. The junction box site was excavated to 8' bgs and an compacted clay layer was installed as a barrier to vertical transmissivity. A water tight box was installed around the pipe junction and valves. Natural attenuation will remediate the remaining hydrocarbon.

CHLORIDE FIELD TESTS

LOCATION	DEPTH	mg/kg
SIDEWALLS	3'	600
BOTTOM	8'	525
Soil Boring	5'	124
	10'	142
	15'	99
	20'	159
	23'	131
	29'	80

I HEREBY CERTIFY THAT THE INFORMATION ABOVE IS TRUE AND COMPLETE TO THE BEST OF MY KNOWLEDGE AND BELIEF.

DATE October 15, 2001

PRINTED NAME D. E. Anderson

SIGNATURE *D. E. Anderson*

TITLE Project Leader - Environmental

ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

RICE OPERATING COMPANY
ATTN: DONNIE ANDERSON
122 W. TAYLOR
HOBBS, NM 88242
FAX: 505-397-1471

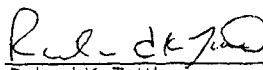
Sample Type: Soil
Sample Condition: Intact/ Iced/ 4.0 deg C
Project Name: EME Box Upgrade
Project #: C-1-1
Project Location: Lea County, NM
PO#: 716

Sampling Date: 10/08/01
Receiving Date: 10/08/01
Analysis Date: 10/09/01

ELT#	FIELD CODE	GRO C6-C10 mg/kg	DRO >C10-C28 mg/kg
0101737-01	Wall Composite	<50	176
0101737-02	Btm Composite	<50	280

QUALITY CONTROL	573	513
TRUE VALUE	500	500
% INSTRUMENT ACCURACY	115	103
SPIKED AMOUNT	476	476
ORIGINAL SAMPLE	<10	<10
SPIKE	562	608
SPIKE DUP	555	604
% EXTRACTION ACCURACY	116	122
BLANK	<10	<10
RPD	1.25	0.66

Methods: SW 846-8015M


Raland K. Tuttle

10-11-01
Date

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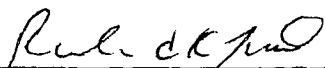
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ELT#	FIELD CODE	BENZENE mg/kg	TOLUENE mg/kg	ETHYLBENZENE mg/kg	m,p-XYLENE mg/kg	o-XYLENE mg/kg
0101737-01	Wall Composite	<0.025	<0.025	<0.025	<0.025	<0.025
0101737-02	BTM Composite	<0.025	<0.025	<0.025	<0.025	<0.025

QUALITY CONTROL	0.104	0.104	0.100	0.205	0.095
TRUE VALUE	0.100	0.100	0.100	0.200	0.100
% IA	104	104	100	102	95
SPIKED AMOUNT	0.100	0.100	0.100	0.200	0.100
ORIGINAL SAMPLE	<0.025	<0.025	<0.025	0.051	<0.025
SPIKE	0.099	0.091	0.088	0.176	0.089
SPIKE DUP	0.090	0.086	0.085	0.172	0.084
%EA	99	91	88	87	89
BLANK	<0.025	<0.025	<0.025	<0.025	<0.025
RPD	9.52	5.65	3.47	2.32	5.78

METHODS: SW 846-8021B, 5030


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Sampling Date: 10/08/01
Receiving Date: 10/08/01
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ELT#	FIELD CODE	Chloride mg/kg
0101737-01	Wall Composite	585
0101737-02	BTM Composite	452

QUALITY CONTROL	5050
TRUE VALUE	5000
% INSTRUMENT ACCURACY	101
SPIKED AMOUNT	500
ORIGINAL SAMPLE	585
SPIKE	1080
SPIKE DUP	1070
% EXTRACTION ACCURACY	99
BLANK	<5.00
RPD	0.93

Methods: SW 846-9253


Raland K. Tuttle

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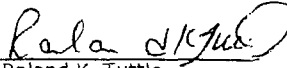
Sample Type: Soil
Sample Condition: Intact/ Iced/ 3 deg C
Project Name: EME Box Upgrade
Project #: ~~0101625-01~~
Project Location: Lea County
PO#: 692

Sampling Date: 09/18/01
Receiving Date: 09/24/01
Analysis Date: 09/26/01

ELT#	FIELD CODE	Chloride mg/kg
0101625-01	29' Soil Boring	68

QUALITY CONTROL	5050
TRUE VALUE	5000
% INSTRUMENT ACCURACY	101
SPIKED AMOUNT	526
ORIGINAL SAMPLE	392
SPIKE	933
SPIKE DUP	924
% EXTRACTION ACCURACY	101
BLANK	<5.00
RPD	0.97

Methods: SW 846-9253


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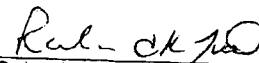
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Sampling Date: 09/18/01
Receiving Date: 09/24/01
Analysis Date: 09/25/01

ELT#	FIELD CODE	GRO C6-C10 mg/kg	DRO >C10-C28 mg/kg
0101625-01	29' Soil Boring	<10	272

QUALITY CONTROL	460	480
TRUE VALUE	500	500
% INSTRUMENT ACCURACY	92	96
SPIKED AMOUNT	476	476
ORIGINAL SAMPLE	<10	<10
SPIKE	501	508
SPIKE DUP	504	502
% EXTRACTION ACCURACY	105	107
BLANK	<10	<10
RPD	0.95	1.89

Methods: SW 846-8015M


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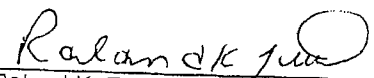
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Project Location: Lea County
PO#: 692

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Receiving Date: 09/24/01
Analysis Date: 09/25/01

ELT#	FIELD CODE	BENZENE mg/kg	TOLUENE mg/kg	ETHYLBENZENE mg/kg	m,p-XYLENE mg/kg	o-XYLENE mg/kg
0101625-01	29' Soil Boring	<0.025	<0.025	<0.025	<0.025	<0.025

QUALITY CONTROL	0.100	0.100	0.097	0.199	0.092
TRUE VALUE	0.100	0.100	0.100	0.200	0.100
% IA	100	100	97	100	92
SPIKED AMOUNT	0.100	0.100	0.100	0.200	0.100
ORIGINAL SAMPLE	<0.025	<0.025	<0.025	0.039	<0.025
SPIKE	0.104	0.101	0.100	0.204	0.095
SPIKE DUP	0.101	0.097	0.097	0.198	0.093
%EA	104	101	100	101	95
BLANK	<0.025	<0.025	<0.025	<0.025	<0.025
RPD	2.93	4.04	3.04	3.16	2.13

METHODS: EPA SW 846-8021B ,5030


Raland K. Tuttle

9-27-01
Date

DRILLING LOG		Site Name/Location			Logged by: DEA
RICE Operating Company 122 West Taylor Hobbs, New Mexico 88240 Phone: (505) 393-9174 Fax: (505) 397-1471		Jct. Box C-1-1 1-T20S-R36E EME SWD System Lea County, NM		Well No.: N/A	Date Drilled: 9/18/01
		Well Depth: N/A	Boring Depth: 23'	Driller: Adkins	Construction:
		Casing Length: N/A	Boring Diameter: 2.5"	Well Material: N/A	Plugged boring w/ 20' bentonite, water & backfill
		Screen Length: N/A	Drilling Method: Air Rotary	Casing Size: N/A	
				Slot Size: N/A	

TEST					
DEPTH	SUBSURFACE LITHOLOGY	SAMPLE TYPE	(ppm)	REMARKS	Boring
0	Ground surface		CF		
1	Sand	Grab			
2					
3					
4					
5	Dry sandy caliche		124		
6					
7					
8	Dry caliche rock				
9					
10	Dry caliche sand		142		
11					
12					
13	Dry caliche rock				
14					
15			99		
16					
17					
18	Dry caliche				
19					
20			159		
21					
22					
23	Hard limestone		131		
24					
25					
26	Dry caliche sand				
27					
28					
29	Dry caliche sand		80		

3-Chen

SOUTH MONUMENT SURFACE WASTE FACILITY

TICKET NO # 4446

LEASE OPERATOR

Rice Operating Corporation

ORIGINATING LOCATION: CRIS Rodriguez - ^{head=1a} 7-18-01
~~XXXX~~
Sec 36 T19S R36E

TRANSPORTER NAME & ADDRESS

WALTON CONSTRUCTION CO., INC.
P. O. BOX 478
HOBBS, NM 88241-0478
Attn: KENA KAY COOPER

DESCRIPTION OF WASTE

Non-Hazardous Hydrocarbons

QUANTITY

12 yds.

FACILITY CONTACT:

SIGNATURE OF CONTACT

DATE

[Signature]

8/30/01

CELL NUMBER MATERIAL WAS PLACE IN LANDFARM: B-1

NAME OF TRANSPORTER (DRIVER):

SIGNATURE OF DRIVER

DATE

[Signature]

8/30/01

DISPOSAL SITE

South Monument Surface Waste Facility
P. O. Box 418
Hobbs, NM 88241-0418
Sec 25 T20S R36E N/2NE/4

"As a condition of acceptance for disposal, I hereby certify that this waste is an exempt waste as defined by the Environmental Protection Agency (EPA). The waste are: generated from oil and gas exploration and production operations; exempt from Resource Conservation and Recovery Act (RCRA) Subtitle C regulations; and not mixed with non-exempt waste."

FACILITY REPRESENTATIVE

DATE

[Signature]

8/30/01

SOUTH MONUMENT SURFACE WASTE FACILITY

TICKET NO # 4447

LEASE OPERATOR CHRIS Rodriguez
Rice Operating Corporation
ORIGINATING LOCATION: ~~836E1~~
Sec 36 T19S R36E

TRANSPORTER NAME & ADDRESS
WALTON CONSTRUCTION CO., INC.
P. O. BOX 478
HOBBS, NM 88241-0478
Attn: KENA KAY COOPER

DESCRIPTION OF WASTE QUANTITY
Non-Hazardous Hydrocarbons 12 yds.

FACILITY CONTACT: [Signature]
SIGNATURE OF CONTACT DATE 8/30/01

CELL NUMBER MATERIAL WAS PLACE IN LANDFARM: B-1

NAME OF TRANSPORTER (DRIVER):
[Signature]
SIGNATURE OF DRIVER DATE 8/30/01

DISPOSAL SITE
South Monument Surface Waste Facility
P. O. Box 418
Hobbs, NM 88241-0418
Sec 25 T20S R36E N/2NE/4

"As a condition of acceptance for disposal, I hereby certify that this waste is an exempt waste as defined by the Environmental Protection Agency (EPA). The waste are: generated from oil and gas exploration and production operations; exempt from Resource Conservation and Recovery Act (RCRA) Subtitle C regulations; and not mixed with non-exempt waste."

[Signature]
FACILITY REPRESENTATIVE DATE 8/30/01

SOUTH MONUMENT SURFACE WASTE FACILITY

TICKET NO # 4448

LEASE OPERATOR

Rice Operating Corporation

ORIGINATING LOCATION: Chris Rodriguez - 7-78-04
~~P-361~~
Sec 36 T19S R36E

TRANSPORTER NAME & ADDRESS

WALTON CONSTRUCTION CO., INC.
P. O. BOX 478
HOBBS, NM 88241-0478
Attn: KENA KAY COOPER

DESCRIPTION OF WASTE

Non-Hazardous Hydrocarbons

QUANTITY

12 yds.

FACILITY CONTACT:

Kena Kay Cooper
SIGNATURE OF CONTACT

8/30/01
DATE

CELL NUMBER MATERIAL WAS PLACE IN LANDFARM: B-1

NAME OF TRANSPORTER (DRIVER):

W.D. Smith
SIGNATURE OF DRIVER

8/30/01
DATE

DISPOSAL SITE

South Monument Surface Waste Facility
P. O. Box 418
Hobbs, NM 88241-0418
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Kena Kay Cooper
FACILITY REPRESENTATIVE

8/30/01
DATE

SOUTH MONUMENT SURFACE WASTE FACILITY

TICKET NO # 4449

LEASE OPERATOR Chris Rodriguez - ~~WALTON~~
Rice Operating Corporation
ORIGINATING LOCATION: ~~R36E~~
Sec 36 T19S R36E

TRANSPORTER NAME & ADDRESS

WALTON CONSTRUCTION CO., INC.
P. O. BOX 478
HOBBS, NM 88241-0478
Attn: KENA KAY COOPER

DESCRIPTION OF WASTE QUANTITY
Non-Hazardous Hydrocarbons 12 y.RDS.

FACILITY CONTACT: [Signature] 8/30/01
SIGNATURE OF CONTACT DATE

CELL NUMBER MATERIAL WAS PLACE IN LANDFARM: B-1

NAME OF TRANSPORTER (DRIVER): [Signature] 8/30/01
SIGNATURE OF DRIVER DATE

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[Signature] 8/30/01
FACILITY REPRESENTATIVE DATE

**RICE OPERATING COMPANY
JUNCTION BOX FINAL REPORT**

BOX LOCATION

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							Length	Width	Depth
EME	C-1-1	C	1	20S	36E	LEA	11	10	6

LAND TYPE: BLM _____ STATE _____ FEE LANDOWNER EL PASO NATURAL GAS OTHER _____

Depth to Groundwater 26 feet NMOCD SITE ASSESSMENT RANKING SCORE: 20

Date Started 08/14/2001 Date Completed 09/18/2001 OCD Witness NO

Soil Excavated 100 cubic yards Excavation Length 22 Width 15 Depth 8 feet

Soil Disposed 48 cubic yards Offsite Facility South Monument Disposal Location MONUMENT, NM

FINAL ANALYTICAL RESULTS: Sample Date 10/08/2001 Sample Depth 8'

Procure 5-point composite sample of bottom and 4-point composite sample of sidewalls. TPH, BTEX and Chloride laboratory test results completed by using an approved lab and testing procedures pursuant to NMOCD guidelines.

Sample Location	Benzene mg/kg	Toluene mg/kg	Ethyl Benzene mg/kg	Total Xylenes mg/kg	GRO mg/kg	DRO mg/kg	Chlorides mg/kg
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	10'	142
	15'	99
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SIGNATURE *D. E. Anderson* TITLE Project Leader - Environmental

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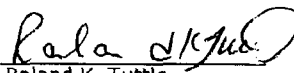
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ENVIRONMENTAL LAB OF , INC.

"Don't Treat Your Soil Like Dirt!"

RICE OPERATING CO.
ATTN: MR. DONNIE ANDERSON
122 W. TAYLOR
HOBBS, NM 88240
FAX: 505-397-1471

Sample Type: Soil
Sample Condition: Intact/ Iced/ 3 deg C
Project Name: EME Box Upgrade
Project #: C-1-1
Project Location: Lea County
PO#: 692

Sampling Date: 09/18/01
Receiving Date: 09/24/01
Analysis Date: 09/25/01

ELT#	FIELD CODE	GRO C6-C10 mg/kg	DRO >C10-C28 mg/kg
0101625-01	29' Soil Boring	<10	272

QUALITY CONTROL	460	480
TRUE VALUE	500	500
% INSTRUMENT ACCURACY	92	96
SPIKED AMOUNT	476	476
ORIGINAL SAMPLE	<10	<10
SPIKE	501	508
SPIKE DUP	504	502
% EXTRACTION ACCURACY	105	107
BLANK	<10	<10
RPD	0.95	1.89

Methods: SW 846-8015M


Raland K. Tuttle

9-27-01
Date

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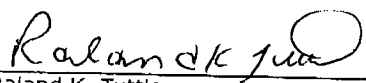
Sample Type: Soil
Sample Condition: Intact/ Iced/ 3 deg C
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PO#: 692

Sampling Date: 09/18/01
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ELT#	FIELD CODE	BENZENE mg/kg	TOLUENE mg/kg	ETHYLBENZENE mg/kg	m,p-XYLENE mg/kg	o-XYLENE mg/kg
0101625-01	29' Soil Boring	<0.025	<0.025	<0.025	<0.025	<0.025

QUALITY CONTROL	0.100	0.100	0.097	0.199	0.092
TRUE VALUE	0.100	0.100	0.100	0.200	0.100
% IA	100	100	97	100	92
SPIKED AMOUNT	0.100	0.100	0.100	0.200	0.100
ORIGINAL SAMPLE	<0.025	<0.025	<0.025	0.039	<0.025
SPIKE	0.104	0.101	0.100	0.204	0.095
SPIKE DUP	0.101	0.097	0.097	0.198	0.093
%EA	104	101	100	101	95
BLANK	<0.025	<0.025	<0.025	<0.025	<0.025
RPD	2.93	4.04	3.04	3.16	2.13

METHODS: EPA SW 846-8021B ,5030


Raland K. Tuttle

9-27-01
Date

DRILLING LOG	Site Name/Location	Well No. N/A			Date Drilled: 9/18/01	Driller: Adkins	Logged by: DEA
RICE Operating Company 122 West Taylor Hobbs, New Mexico 88240 Phone: (505) 393-9174 Fax: (505) 397-1471	Jct. Box C-1-1 1-T20S-R36E EME SWD System Lea County, NM	Well Depth: N/A	Boring Depth: 23'		Well Material: N/A		Construction: Plugged boring w/ 20' bentonite, water & backfill
		Casing Length: N/A	Boring Diameter: 2.5"		Casing Size: N/A		
		Screen Length: N/A	Drilling Method: Air Rotary		Slot Size: N/A		
		TEST					

DEPTH	SUBSURFACE LITHOLOGY	SAMPLE TYPE	(ppm)	REMARKS	Boring
0	Ground surface		CF		
1	Sand	Grab			
2					
3					
4					
5	Dry sandy caliche		124		
6					
7					
8	Dry caliche rock				
9					
10	Dry caliche sand		142		
11					
12					
13	Dry caliche rock				
14					
15			99		
16					
17					
18	Dry caliche				
19					
20			159		
21					
22					
23	Hard limestone		131		

3-Chen

SOUTH MONUMENT SURFACE WASTE FACILITY

TICKET NO # 4446

CHRIS Rodriguez - 7-78-01
LEASE OPERATOR **ORIGINATING LOCATION:** ~~XXXX~~
 Rice Operating Corporation Sec 36 T19S R36E

TRANSPORTER NAME & ADDRESS

WALTON CONSTRUCTION CO., INC.
 P. O. BOX 478
 HOBBS, NM 88241-0478

 Attn: KENA KAY COOPER

DESCRIPTION OF WASTE	QUANTITY
Non-Hazardous Hydrocarbons	<u>12 yds.</u>

FACILITY CONTACT:	
<u>[Signature]</u>	<u>8/30/01</u>
SIGNATURE OF CONTACT	DATE

CELL NUMBER MATERIAL WAS PLACE IN LANDFARM: B-1

NAME OF TRANSPORTER (DRIVER):	
<u>[Signature]</u>	<u>8/30/01</u>
SIGNATURE OF DRIVER	DATE

DISPOSAL SITE

South Monument Surface Waste Facility
 P. O. Box 418
 Hobbs, NM 88241-0418
 Sec 25 T20S R36E N/2NE/4

"As a condition of acceptance for disposal, I hereby certify that this waste is an exempt waste as defined by the Environmental Protection Agency (EPA). The waste are: generated from oil and gas exploration and production operations; exempt from Resource Conservation and Recovery Act (RCRA) Subtitle C regulations; and not mixed with non-exempt waste."

<u>[Signature]</u>	<u>8/30/01</u>
FACILITY REPRESENTATIVE	DATE

SOUTH MONUMENT SURFACE WASTE FACILITY

TICKET NO #

4447

LEASE OPERATOR

Rice Operating Corporation

ORIGINATING LOCATION: ~~PERM~~

Sec 36 T19S R36E

CHRIS RODRIGUEZ

TRANSPORTER NAME & ADDRESS

WALTON CONSTRUCTION CO., INC.
P. O. BOX 478
HOBBS, NM 88241-0478

Attn: KENA KAY COOPER

DESCRIPTION OF WASTE

Non-Hazardous Hydrocarbons

QUANTITY

12 yds.

FACILITY CONTACT:

SIGNATURE OF CONTACT

Ken Kay Cooper

DATE

8/30/01

CELL NUMBER MATERIAL WAS PLACE IN LANDFARM: B-1

NAME OF TRANSPORTER (DRIVER):

SIGNATURE OF DRIVER

W. Smith

DATE

8/30/01

DISPOSAL SITE

South Monument Surface Waste Facility
P. O. Box 418
Hobbs, NM 88241-0418
Sec 25 T20S R36E N/2NE/4

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FACILITY REPRESENTATIVE

Ken Kay Cooper

DATE

8/30/01

SOUTH MONUMENT SURFACE WASTE FACILITY

TICKET NO # 4448

LEASE OPERATOR Chris Rodriguez - ~~7-78-01~~
Rice Operating Corporation
ORIGINATING LOCATION: ~~P-36-1~~
Sec 36 T19S R36E

TRANSPORTER NAME & ADDRESS
WALTON CONSTRUCTION CO., INC.
P. O. BOX 478
HOBBS, NM 88241-0478
Attn: KENA KAY COOPER

DESCRIPTION OF WASTE QUANTITY
Non-Hazardous Hydrocarbons 12 yds.

FACILITY CONTACT:
Kena Kay Cooper
SIGNATURE OF CONTACT DATE 8/30/01

CELL NUMBER MATERIAL WAS PLACE IN LANDFARM: B-1

NAME OF TRANSPORTER (DRIVER):
W.D. Smith
SIGNATURE OF DRIVER DATE 8/30/01

DISPOSAL SITE
South Monument Surface Waste Facility
P. O. Box 418
Hobbs, NM 88241-0418
Sec 25 T20S R36E N/2NE/4

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Kena Kay Cooper
FACILITY REPRESENTATIVE DATE 8/30/01

SOUTH MONUMENT SURFACE WASTE FACILITY

TICKET NO # 4449

LEASE OPERATOR Chris Rodriguez - ~~7-18-01~~
Rice Operating Corporation
ORIGINATING LOCATION: ~~R-36-1~~
Sec 36 T19S R36E

TRANSPORTER NAME & ADDRESS

WALTON CONSTRUCTION CO., INC.
P. O. BOX 478
HOBBS, NM 88241-0478
Attn: KENA KAY COOPER

DESCRIPTION OF WASTE QUANTITY
Non-Hazardous Hydrocarbons 12 y.RDS.

FACILITY CONTACT: [Signature] 8/30/01
SIGNATURE OF CONTACT DATE

CELL NUMBER MATERIAL WAS PLACE IN LANDFARM: B-1

NAME OF TRANSPORTER (DRIVER): [Signature] 8/30/01
SIGNATURE OF DRIVER DATE

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[Signature] 8/30/01
FACILITY REPRESENTATIVE DATE