

**NM1-10-B**

**C-138**

**Date: 2002**

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

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

Form C-138  
Revised March 17, 1999  
Submit Original  
Plus 1 Copy  
to Appropriate  
District Office

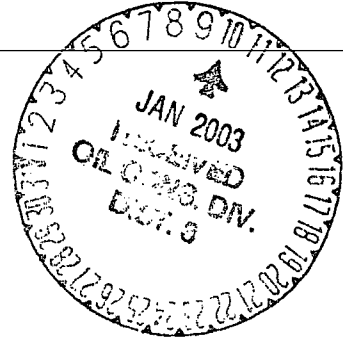
REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/> <input type="checkbox"/> Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	4. Generator Duke Energy Field Services
2. Management Facility Destination JFJ Landfarm L.L.C.	5. Originating Site Val Verde Plant #119 CR 4900 Bloomfield, NM 87413
3. Address of Facility Operator: J.F.J. Landfarm C/o Industrial Ecosystems Inc. P.O. Box 2043 Farmington, N.M. 87499	6. Transporter: Riley Industrial
7. Location of Material (Street Address or ULSTR) 420 CR 3100 Aztec, NM 87410	8. State: New Mexico
9. Circle One: <input checked="" type="radio"/> 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. <input type="radio"/> 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:

Carbon Filter Media "Bituminous / Subbituminous Coal Based Activated Carbons"

Train #6



Estimated Volume 8 Known Volume (to be entered by the operator at the end of the haul) 8

SIGNATURE Aaron J. Maurer TITLE: Manager DATE: 12-29-2002  
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Aaron J. Maurer TELEPHONE NO. (505) 632-1782 Office (505) 860-7728 cell

(This space for State Use)

APPROVED BY: Denny Reut TITLE: Enviro/Eng DATE: 1/28/03  
APPROVED BY: [Signature] TITLE: g-cobrist DATE: 1-28-03



Field Services

Non-Hazardous Waste Manifest

Duke Energy Field Services  
Attn: Val Verde Facility Manager  
119 County Road 4900  
P.O. Box 69  
Bloomfield, NM 87413

Date: 12/11/2002

**DEFS Personnel Complete:**

<b>Waste Location:</b>	Val Verde Plant Facility Name,	San Juan County,	11 Section,	29N TWP,	11W Range
<b>Est. Volume:</b>	6 YARDS (Give units, ie. Yard, lbs,)				
<b>Description:</b>	Charcoal Filter Media				
<b>Source:</b>	Changing Charcoal Filter Media, Train # 6				
<b>Disposal Company &amp; Address:</b>	JFJ Land Farm 420 CR 3100 Aztec. NM 87410		In care of Induatrial Ecosvstems Inc.		
<b>Waste Determination (check 1 box)</b>	<input checked="checked" type="checkbox"/> Check: I hereby certify, represent and warrant that the wastes are generated from oil and gas exploration and production operations exempt from Resource Conservation and Recovery Act (RCRA) Subtitle C Regulations.		<input type="checkbox"/> Check: I hereby certify, that according to the Resources Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July, 1988, regulatory determination the above described waste is Non-Exempt oilfield waste which is non-hazardous by characteristic analysis or by product identification.		
<b>Disposal Approval For DEFS</b>	Sig: <i>Henry C. Humada</i> Print: HENRY C. HUMADA		Date: 12/11/2002 Title: Maintenance Tech.		

**Transporter Complete:**

<b>Company Name and Address:</b>	Riley Industrial 2615 San Juan Blvd.	
<b>Signature and Date:</b>	Sign: <i>JEPH</i> Unit #9919 Date: 12/11/2002 Print Name: JACK E. PHELPS	

**Disposal Facility Complete**

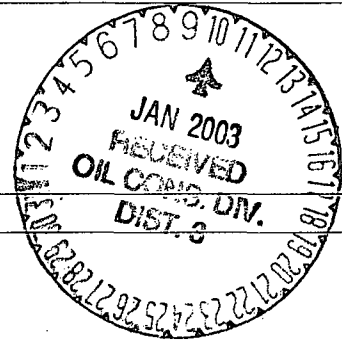
(Complete and return a copy to DEFS at address above)

Date Rec:	12-11-2002	Vol Rec:	8-yards
Waste Location:	JFJ landfarm	Received by: Sign	<i>Aaron Maurer</i>
Tele #:	632-1782	Print Name:	Aaron Maurer
Comments:	Wear Gloves and Goggles	24 hour emergency #	505-632-1815
		Fax number	505-632-1817

# CERTIFICATE OF WASTE STATUS

1. Generator Name and Address: Duke Energy Field Services # 119 Road 4900 Bloomfield NM 87413	2. Destination Name: JFJ Land farm 420 CR 3100 Aztec NM 87410  (In care of Ecosystems Inc.)
--	---

3. Originating Site (name): Val Verde Plant # 119 Road 4900 Bloomfield NM 87413
--



4. Source and Description of Waste: Changing Charcoal Filter Media Train # 6
---

I, Wesley C. Humada representative for:  
(Duke Energy Field Services) do hereby certify that, according to the Resource  
Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July,  
1988, regulatory determination, the above described waste is: (Check the appropriate  
classification)

☒ EXEMPT oilfield waste ☐ NON-EXEMPT oilfield waste which is  
Non-hazardous by characteristic analysis  
or by product identification.

And that nothing has been added to the exempt or non- exempt non-hazardous waste  
defined above.

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Oil Conservation Division  
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Santa Fe, NM 87505

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to Appropriate  
District Office

## REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: ☒ Non-Exempt: ☐  
☐ Verbal Approval Received: Yes ☒ No ☐

2. Management Facility Destination JFJ Landfarm L.L.C.  
3. Address of Facility Operator: Industrial Ecosystems Inc. P.O. Box 2043  
Farmington, N.M. 87499

4. Generator  
Burlington Resources

5. Originating Site  
Wilmuth #1

6. Transporter:  
C F & M Oilfield

8. State:  
New Mexico

7. Location of Material (Street Address or ULSTR)  
Sec-26, Township-31 North, Range-11 West

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:

Hydrocarbon stained soil that impacted earth.

Estimated Volume 210-yards Known Volume (to be entered by the operator at the end of the haul) 210-yards

SIGNATURE Aaron J. Maurer  
Waste Management Facility Authorized Agent

TITLE: Manager

DATE: 12-22-2002

TYPE OR PRINT NAME: Aaron J. Maurer

TELEPHONE NO. (505) 632-1782

(This space for State Use)

APPROVED BY: Denny Deent

TITLE: Enviro/Engr

DATE: 3/05/03

APPROVED BY: Ch...

TITLE: Deputy O&B Ins

DATE: 3/05/03



# NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

**CARY E. JOHNSON**  
Governor  
**Betty Rivera**  
Cabinet Secretary

**Lori Wrotenberg**  
Director  
Oil Conservation Division

## CERTIFICATE OF WASTE STATUS

1. Generator Name and Address <i>Burlington Resources</i> <i>3401 E. 30th St.</i> <i>Farmington, NM</i>	2. Destination Name: <i>J.F.J. Landfarm C/o Industrial Ecosystems Inc.</i> <i>420 CR 3100 Aztec, NM 87410</i>
3. Originating Site (name): <i>Wilmoth #1</i>	Location of the Waste (Street address &/or ULSTR): <i>Unit Letter N Sec 26-T31N-R11W</i>
attach list of originating sites as appropriate	
4. Source and Description of Waste <i>Hydrocarbon impacted soil from leak in pit tank</i>	

I, *Eal Hasely* representative for:  
Print Name

*Burlington Resources* do hereby certify that, according to the Resource Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July, 1988, regulatory determination, the above described waste is: (Check appropriate classification)

☒ EXEMPT oilfield waste

☐ NON-EXEMPT oilfield waste which is non-hazardous by characteristic analysis or by product identification

and that nothing has been added to the exempt or non-exempt non-hazardous waste defined above.

For NON-EXEMPT waste the following documentation is attached (check appropriate items):

☐ MSDS Information  
☐ RCRA Hazardous Waste Analysis  
☐ Chain of Custody

☐ Other (description)

This waste is in compliance with Regulated Levels of Naturally Occurring Radioactive Material (NORM) pursuant to 20 NMAC 3.1 subpart 1403.C and D.

Name (Original Signature): *Eal Hasely*

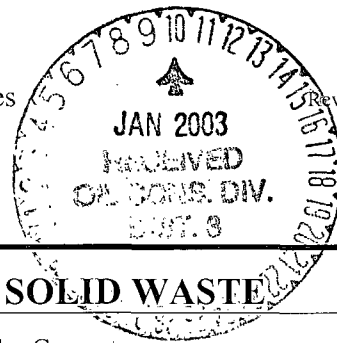
Title: *Environmental Specialist*

Date: *12/18/02*

Oil Conservation Division \* 1000 Rio Brazos Road \* Aztec, New Mexico 87410  
Phone: (505) 334-6178 \* Fax (505) 334-6170 \* <http://www.ornmrd.state.nm.us>

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**REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE**

1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/> <input type="checkbox"/> Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	4. Generator Duke Energy Field Services
2. Management Facility Destination: JFJ Landfarm L.L.C.	5. Originating Site Val Verde Plant #119 CR 4900 Bloomfield, NM 87413
3. Address of Facility Operator: J.F.J. Landfarm C/o Industrial Ecosystems Inc. P.O. Box 2043 Farmington, N.M. 87499	6. Transporter: Riley Industrial
7. Location of Material (Street Address or ULSTR) 420 CR 3100 Aztec, NM 87410	8. State: New Mexico
9. Circle One: A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job. B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved. All transporters must certify the wastes delivered are only those consigned for transport.	

**BRIEF DESCRIPTION OF MATERIAL:**

Non Hazardous Aluminum Pellets  
Non Hazardous Water Treating Resin  
Split oil based material from Val Verde Clean-up

Estimated Volume 2 Known Volume (to be entered by the operator at the end of the haul) 2

SIGNATURE Aaron J. Maurer TITLE: Manager DATE: 11-20-2002  
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Aaron J. Maurer TELEPHONE NO. (505) 632-1782 Office (505) 860-7728 cell

(This space for State Use)

APPROVED BY: Denny Foust TITLE: Enviro/Engr DATE: 1/28/03  
APPROVED BY: Paul Keph TITLE: geologist DATE: 1-28-03



Field Services

Non-Hazardous Waste Manifest

Duke Energy Field Services  
Facility Manager  
119 County Road 4900  
P.O. Box 69  
Bloomfield, NM 87413

Date: 11/19/2002

**DEFS Personnel Complete:**

<b>Waste Location:</b>	Val Verde Plant Facility Name,	San Juan County,	11 Section,	29N TWP,	11W Range				
<b>Est. Volume:</b>	2 YARD (Give units, ie. Yard, lbs.)								
<b>Description:</b>	-Non Hazardous aluminum Coated Pellets - Non Hazardous Water Treating resin (Mixed Beads & Dirt)								
<b>Source:</b>	Plant Clean up Material								
<b>Disposal Company &amp; Address:</b>	JFJ Land Farm In care of 420 CR 3100 Aztec, NM 87410 Industrial Ecosystems Inc.								
<b>Waste Determination</b> (check 1 box)	<table border="1"><tr><td>Check: <input type="checkbox"/></td><td>Check: <input checked="" type="checkbox"/></td></tr><tr><td>I hereby certify, represent and warrant that the wastes are generated from oil and gas exploration and production operations exempt from Resource Conservation and Recovery Act (RCRA) Subtitle C Regulations.</td><td>I hereby certify, that according to the Resources Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July, 1988, regulatory determination the above described waste is Non-Exempt oilfield waste which is non-hazardous by characteristic analysis or by product identification.</td></tr></table>					Check: <input type="checkbox"/>	Check: <input checked="" type="checkbox"/>	I hereby certify, represent and warrant that the wastes are generated from oil and gas exploration and production operations exempt from Resource Conservation and Recovery Act (RCRA) Subtitle C Regulations.	I hereby certify, that according to the Resources Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July, 1988, regulatory determination the above described waste is Non-Exempt oilfield waste which is non-hazardous by characteristic analysis or by product identification.
Check: <input type="checkbox"/>	Check: <input checked="" type="checkbox"/>								
I hereby certify, represent and warrant that the wastes are generated from oil and gas exploration and production operations exempt from Resource Conservation and Recovery Act (RCRA) Subtitle C Regulations.	I hereby certify, that according to the Resources Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July, 1988, regulatory determination the above described waste is Non-Exempt oilfield waste which is non-hazardous by characteristic analysis or by product identification.								
<b>Disposal Approval For DEFS</b>	<table border="1"><tr><td>Sig: </td><td>Date: 11/19/2002</td></tr><tr><td>Print: HENRY CHUMADA</td><td>Title: Maintenance Tech.</td></tr></table>					Sig:	Date: 11/19/2002	Print: HENRY CHUMADA	Title: Maintenance Tech.
Sig:	Date: 11/19/2002								
Print: HENRY CHUMADA	Title: Maintenance Tech.								

**Transporter Complete:**

**Company Name and  
Address:**

Riley Industrial  
2615 San Juan Blvd.

**Signature and Date:**

Sign:	Date: 11/20/2002
Print Name: John Jay Bruce	

**Disposal Facility Complete**

(Complete and return a copy to DEFS at address above)

Date Rec:	11-20-2002	Vol Rec:	2-yards
Waste Location:	JFJ Landfarm.	Received by: Sign	
Tele #:	632-1782.	Print Name:	Aaron J. Maure
Comments:	Wear Gloves and Goggles	24 hour emergency #	505-632-1815
		Fax number	505-632-1817





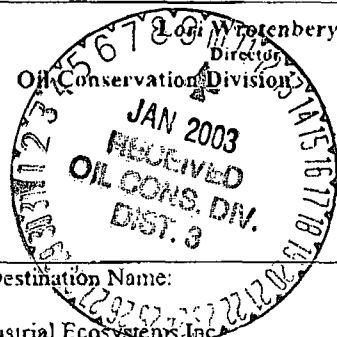
# NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

GARY E. JOHNSON

Governor

Betty Rivera

Cabinet Secretary



## CERTIFICATE OF WASTE STATUS

1. Generator Name and Address  Duke Energy Field Services #119 Road 4900 Bloomfield, NM 87413	2. Destination Name:  JFJ Landfarm, C/o Industrial Ecosystems, Inc. 420 Cr 3100, Aztec, NM 87410
3. Originating Site (name): Val Verde Plant #119 Road 4900 Bloomfield, NM 87413 attach list of originating sites as appropriate	Location of the Waste (Street address &/or ULSTR): Section-11, TWP-29N, Range 11W, San Juan County
4. Source and Description of Waste  PLANT CLEANUP MATERIAL - NON HAZARDOUS ALUMINUM COATED PELLETS - NON HAZARDOUS WATER TREATING RESIN MIXED BEADS & DIRT.	

JACK BRAUN  
Print Name:

representative for:

DUKE ENERGY FIELD SERVICES do hereby certify that, according to the Resource Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July, 1988, regulatory determination, the above described waste is: (Check appropriate classification)

☐ EXEMPT oilfield waste

☒ NON-EXEMPT oilfield waste which is non-hazardous by characteristic analysis or by product identification

and that nothing has been added to the exempt or non-exempt non-hazardous waste defined above.

For NON-EXEMPT waste the following documentation is attached (check appropriate items):

☒ MSDS Information

☐ Other (description)

☒ RCRA Hazardous Waste Analysis

☐ Chain of Custody

This waste is in compliance with Regulated Levels of Naturally Occurring Radioactive Material (NORM) pursuant to 20 NMAC 3.1 subpart 1403.C and D.

Name (Original Signature):

Jack E. Braun

Title:

ENV. SPECIALIST.

Date:

11-14-02

Oil Conservation Division \* 1000 Rio Brazos Road \* Aztec, New Mexico 87410  
Phone: (505) 334-6178 \* Fax (505) 334-6170 \* <http://www.emnrd.state.nm.us>

District I  
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Energy Minerals and Natural Resources  
Oil Conservation Division  
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Santa Fe, NM 87505

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District Office

## REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/> <input type="checkbox"/> Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	4. Generator Burlington Resources
2. Management Facility Destination JFJ Landfarm L.L.C.	5. Originating Site McGraft SWD #4
3. Address of Facility Operator: Industrial Ecosystems Inc. P.O. Box 2043 Farmington, N.M. 87499	6. Transporter: Dawn Trucking
7. Location of Material (Street Address or ULSTR) Sec-34, Township-30 North, Range-12 West	8. State: New Mexico
9. Circle One: <div style="border: 1px solid black; padding: 2px;">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.</div> <div>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</div> <p>All transporters must certify the wastes delivered are only those consigned for transport.</p>	

### BRIEF DESCRIPTION OF MATERIAL:

BS & W Tank bottoms out of Mud Pit.

Estimated Volume 480-bbls Known Volume (to be entered by the operator at the end of the haul) 480-bbls

SIGNATURE Aaron J. Maurer TITLE: Manager DATE: 11-8-2002  
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Aaron J. Maurer TELEPHONE NO. (505) 632-1782

(This space for State Use)

APPROVED BY: Denny Fount TITLE: Enviro/Engl DATE: 3/5/03  
APPROVED BY: Charles TITLE: Deputy OLC DATE: 3/5/03

NEW MEXICO ENERGY, MINERALS  
& NATURAL RESOURCES DEPARTMENTAZTEC DISTRICT OFFICE  
1000 RIO BRAZOS ROAD  
AZTEC, NEW MEXICO 87410  
(505) 334-6178 FAX (505) 334-6171GARY E. JOHNSON  
GOVERNORJENNIFER A. SALISBURY  
CABINET SECRETARY

## CERTIFICATE OF WASTE STATUS

1. Generator Name and Address: Burlington Resources 3401 East 30th Street Farmington, NM 87401	2. Destination Name:  Industrial Ecosystems Inc.
3. Originating Site (name): McGrath SWD #4	Location of the Waste (Street address &/or ULSTR): McGrath SWD #4 Unit: SW Section: 34 Township: 30N Range: 12W
Attach list of originating sites as appropriate	
4. Source and Description of Waste BS&W Tank Bottoms out of mud pit.	

I, Renae Beyale representative for:  
(Print Name)  
Burlington Resources do hereby certify that,  
according to the Resource Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July,  
1988, regulatory determination, the above described waste is: (Check appropriate classification)

☒ EXEMPT oilfield waste ☐ NON-EXEMPT oilfield waste which is non-hazardous by characteristic  
analysis or by product identification

and that nothing has been added to the exempt or non-exempt non-hazardous waste defined above.

For NON-EXEMPT waste the following documentation is attached (check appropriate items):

☐ MSDS Information ☐ Other (description):  
☐ RCRA Hazardous Waste Analysis  
☐ Chain of Custody

This waste is in compliance with Regulated Levels of Naturally Occurring Radioactive Material (NORM) pursuant  
to 20 NMAC 3.1 subpart 1403.C and D.

Name (Original Signature): *Renae Beyale*

Title: \_\_\_\_\_

Date: Friday, November 8, 2002

May 31 2002 10:13AM P2

FAX NO. :

FROM :

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  
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State of New Mexico  
Energy Minerals and Natural Resources

Oil Conservation Division  
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REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

<input checked="" type="checkbox"/> RCRA Exempt <input checked="" type="checkbox"/> Non-Exempt <input type="checkbox"/> <input type="checkbox"/> Verbal Approval Received: Yes <input checked="" type="checkbox"/> No		Generator Duke Energy Field Services
2. Management Facility Destination JFJ Landfarm L.L.C.		5. Originating Site Val Verde Plant Sec. 11, TWP-29N, R-11W, San Juan County
3. Address of Facility Operator: Industrial Ecosystems Inc. P.O. Box 2043 Farmington, N.M. 87499		6. Transporter: Riley Industrial.
1. Location of Material (Street Address or ULSTR) 420 CR 3100 Aztec, NM 87410		8. State: New Mexico
9. Circle One: A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job. B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved.  All transporters must certify the wastes delivered are only those consigned for transport.		

BRIEF DESCRIPTION OF MATERIAL:

Carbon Filter Media "Bituminous / Subbituminous Coal Based Activated Carbons" trains #4 and #6.

Estimated Volume 12 Known Volume (to be entered by the operator at the end of the haul) 12

SIGNATURE Aaron J. Maurer TITLE: Manager DATE: 10-25-2002  
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Aaron J. Maurer TELEPHONE NO. (505) 632-1782

(This space for State Use)

APPROVED BY: Denny Feint TITLE: Enviro Engr DATE: 10/31/02

APPROVED BY: [Signature] TITLE: Geologist DATE: 10/31/02



Field Services

Non-Hazardous Waste Manifest

Energy Field Services  
Attn: Val Verde Facility Manager  
119 County Road 4900  
P.O. Box 69  
Bloomfield, NM 87413

Date:

**DEFS Personnel Complete:**

<b>Waste Location:</b>	Val Verde Plant Facility Name,	San Juan County,	11 Section,	29N TWP,	11W Range				
<b>Est. Volume:</b>	12Yards (Give units, ie. Yd3, lbs,								
<b>Description:</b>	Charcoal Filter Profile #, etc.								
<b>Source:</b>	Changing charcoal filters trains 4 and 6								
<b>Disposal Company &amp; Address:</b>	Industrial Ecosystems Inc. P. O. Box 2043 Farmington NM 87499								
<b>Waste Determination</b> (check 1 box)	<table border="1"><tr><td>Check: <input checked="checked" type="checkbox"/></td><td>Check: <input type="checkbox"/></td></tr><tr><td>I hereby certify, represent and warrant that the wastes are generated from oil and gas exploration and production operations exempt from Resource Conservation and Recovery Act (RCRA) Subtitle C Regulations.</td><td>I hereby certify, that according to the Resources Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July, 1988, regulatory determination the above described waste is Non-Exempt oilfield waste which is non-hazardous by characteristic analysis or by product identification.</td></tr></table>					Check: <input checked="checked" type="checkbox"/>	Check: <input type="checkbox"/>	I hereby certify, represent and warrant that the wastes are generated from oil and gas exploration and production operations exempt from Resource Conservation and Recovery Act (RCRA) Subtitle C Regulations.	I hereby certify, that according to the Resources Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July, 1988, regulatory determination the above described waste is Non-Exempt oilfield waste which is non-hazardous by characteristic analysis or by product identification.
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<b>Disposal Approval For DEFS</b>	<table border="1"><tr><td>Sig: <i>Michael R. Betz</i></td><td>Date: 10/25/2002</td></tr><tr><td>Print: MICHAEL R. BETZ</td><td>Title: Plant Supervisor</td></tr></table>					Sig: <i>Michael R. Betz</i>	Date: 10/25/2002	Print: MICHAEL R. BETZ	Title: Plant Supervisor
Sig: <i>Michael R. Betz</i>	Date: 10/25/2002								
Print: MICHAEL R. BETZ	Title: Plant Supervisor								

**Transporter Complete:**

<b>Company Name and Address:</b>	Riley Industrial 2615 San Juan Blvd.					
<b>Signature and Date:</b>	<table border="1"><tr><td>Sig: <i>Michael Larby</i></td><td>Date: 10/25/2002</td></tr><tr><td>Print Name: Michael Larby</td><td></td></tr></table>		Sig: <i>Michael Larby</i>	Date: 10/25/2002	Print Name: Michael Larby	
Sig: <i>Michael Larby</i>	Date: 10/25/2002					
Print Name: Michael Larby						

**Disposal Facility Complete**

(Complete and return a copy to DEFS at address above)

Date Rec: 10/25/02	Vol Rec: 12 Yds
Waste Location: FET	Received by: Sign <i>Chuck</i>
Tele #: 632-1246	Print Name: CHUCK SELLER
Comments: Wear Gloves and Goggles	24 hour emergency # 505-632-1815 → Fax number 505-632-1817



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

RECEIVED

NOV 08 2002

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Plus 1 Copy  
to Appropriate  
District Office

Environmental Bureau  
Oil Conservation Division

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/> <input type="checkbox"/> Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Generator Key Energy Services
2. Management Facility Destination JFJ Landfarm LLC		5. Originating Site Pump Mesa Yard 36-degree 48' 29"-North 107-Degree 41' 27"- West San Juan County
3. Address of Facility Operator: Industrial Ecosystems Inc. P.O. Box 2043 Farmington, N.M. 87499		6. Transporter: Key Energy Services
1. Location of Material (Street Address or ULSTR) 420 CR 3100 Aztec, NM 87410		8. State: New Mexico
9. Circle One: A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job. B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved. All transporters must certify the wastes delivered are only those consigned for transport.		

BRIEF DESCRIPTION OF MATERIAL:

Oil and Diesel that has been spilt on ground at customers unloading facility. Attached is MSDS sheet for 15W40 oil and diesel fuel.

Estimated Volume 6\_ Known Volume (to be entered by the operator at the end of the haul) 6\_

SIGNATURE Aaron J. Maurer TITLE: Manager DATE: 10-25-2002  
Waste Management Facility Authorized Agent.

TYPE OR PRINT NAME: Aaron J. Maurer TELEPHONE NO. (505) 632-1782

(This space for State Use)

APPROVED BY: Denny Feut TITLE: Enviro/Engr DATE: 10/31/02  
APPROVED BY: Walter J. Galt TITLE: Environmental Geologist DATE: 11/8/02

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Avenue, Artesia, NM 88210  
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1000 Rio Brazos Road, Aztec, NM 87410  
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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  
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District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/> <input type="checkbox"/> Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		4. Generator Key Energy Services
2. Management Facility Destination JFJ Landfarm L.L.C.		5. Originating Site Pump Mesa Yard 36-degree 48' 29"-North 107-Degree 41' 27"- West, San Juan County
3. Address of Facility Operator: Industrial Ecosystems Inc. P.O. Box 2043 Farmington, N.M. 87499		6. Transporter: Key Energy Services
1. Location of Material (Street Address or ULSTR) 420 CR 3100 Aztec, NM 87410		8. State: New Mexico
9. Circle One: <input checked="" type="radio"/> 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. <input type="radio"/> 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:

Oil and Diesel that has been spilt on ground at customers unloading facility. Attached is MSDS sheet for 15W40 oil and diesel fuel.

Estimated Volume 6\_ Known Volume (to be entered by the operator at the end of the haul) 6\_

SIGNATURE Aaron J. Maurer TITLE: Manager DATE: 10-25-2002  
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Aaron J. Maurer TELEPHONE NO. (505) 632-1782

(This space for State Use)

APPROVED BY: Denny Fuent TITLE: Enviro/Engn DATE: 10/31/02  
APPROVED BY: \_\_\_\_\_ TITLE: \_\_\_\_\_ DATE: \_\_\_\_\_





# NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

**GARY E. JOHNSON**

Governor

**Jennifer A. Salisbury**

Cabinet Secretary

**Lori Wrotenberg**

Director

**Oil Conservation Division**

## CERTIFICATE OF WASTE STATUS

1. Generator Name and Address Key Energy Services, Inc. Four Corners Division 5651 US Highway 64 Farmington, NM 87401	2. Destination Name: Industrial Ecosystems, Inc. Crouch Mesa Landfarm 420 C. R. 3100 Aztec, NM 87401
3. Originating Site (name): Key Energy Services, Inc. Four Corners Division Pump Mesa Yard attach list of originating sites as appropriate	Location of the Waste (Street address &/or ULSTR): 36 Degree 48' 29" North 107 Degree 41' 27" West San Juan County, NM
4. Source and Description of Waste The contaminated dirt is a result of minor 15 w40 new motor oil and diesel spills at a remote site. The approximately six cubic yards of contaminated dirt will be removed and transported to Industrial Ecosystems, Inc for remediation.	

I, **Bob James** representative for **Key Energy Services, Four Corners Division** do hereby certify that, according to the Resource Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July, 1988, regulatory determination, the above described waste is: (Check appropriate classification)

☐ EXEMPT oilfield waste

☒ NON-EXEMPT oilfield waste which is non-hazardous by characteristic analysis or by product identification

and that nothing has been added to the exempt or non-exempt non-hazardous waste defined above.

For NON-EXEMPT waste the following documentation is attached (check appropriate items):

☒ MSDS Information

☐ Other (description)

☐ RCRA Hazardous Waste Analysis

☐ Chain of Custody

This waste is in compliance with Regulated Levels of Naturally Occurring Radioactive Material (NORM) pursuant to 20 NMAC 3.1 subpart 1403.C and D.

Name (Original Signature):

*Bob James*

Title:

Equipment & Environmental Manager

Date:

September 25, 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  
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Santa Fe, NM 87505

Form C-138  
Revised March 17, 1999

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District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/> <input type="checkbox"/> Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		4. Generator Red Cedar Gathering 26266 Hwy 160 Durango, CO 81303
2. Management Facility Destination JFJ Landfarm L.L.C.		5. Originating Site Sec. 36, T32, R9 Arkansas Loop Natural Gas Treating Facility
3. Address of Facility Operator: Industrial Ecosystems Inc. P.O. Box 2043 Farmington, N.M. 87499		6. Transporter: Riley Industrial
7. Location of Material (Street Address or ULSTR) 420 CR 3100 Aztec, NM 87410		8. State: Colorado
9. Circle One: <input checked="" type="radio"/> All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job. <input type="radio"/> 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:

Carbon Filter Media "Bituminous / Subbituminous Coal Based Activated Carbons

Estimated Volume 12 Known Volume (to be entered by the operator at the end of the haul) 12

SIGNATURE Aaron J. Maurer TITLE: Manager DATE: 10-23-2002  
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Aaron J. Maurer TELEPHONE NO. (505) 632-1782

(This space for State Use)

APPROVED BY: Wendy Bent TITLE: Enviro/Engr DATE: 10/31/02  
APPROVED BY: [Signature] TITLE: geologist DATE: 10/31/02

# CERTIFICATE OF WASTE STATUS

1. Generator Name and Address: Red Cedar Gathering 26266 Highway 160 Durango, CO 81303	2. Destination Name and Address: Tierra Environmental Co., Inc., Land Farm 420 Road 3100 Aztec, NM 87410+
3. Originating Site (name): Arkansas Loop Natural Gas treating facility at Sec. 36 of T32 R9	
4. Source and Description of Waste: Plant Two - Spent Carbon Filter Media - Approximately 12,000 lbs. October 21, 2002	

I, Shawn A. Young, representative for Red Cedar Gathering do hereby certify that, according to the Resource Conservation and Recovery Act (RCRA) and the Environmental Protection Agency's July 1998 regulatory determination, the above-described waste is classified as indicated below:



**EXEMPT** oilfield waste



**NON-EXEMPT** oilfield waste which is non-hazardous by characteristic analysis or by product identification and that nothing has been added to the exempt or non-exempt non-hazardous waste defined above.

For NON-EXEMPT waste only, the following documentation is attached:



MSDS Information



Other (Description):



RCRA Hazardous Waste Analysis



Chain of Custody

Name (Original Signature):

**X** 

Title: Safety & Environmental Manager

Date: September 27, 2002

CERTIFICATE FROM OUT OF STATE AGENCY AUTHORIZING REMOVAL OF RCRA  
EXEMPT OILFIELD WASTE FROM THEIR JURISDICTION TO NEW MEXICO

I have reviewed the enclosed information concerning the oilfield waste material from the Arkansas Loop Treatment Plant (21 OCT 02) and agree that by its description it is non-hazardous and therefore exempt from regulation by the Resource Conservation and Recovery Act (RCRA) and my jurisdictions rules, regulations or statutes.

☒

The material is exempt from regulation because it is classified as non-hazardous waste by definition

☐

The material is exempt from regulation by characteristic analyses

☐

This material is exempt from regulation by product identification

THEREFORE:

As a representative for the Bureau of Indian Affairs, I have no objection to the material being removed to New Mexico.

NAME: Mike Stancampiano

TITLE: Superintendent

SIGNATURE: 

DATE: 10/7/02

AGENCY: Bureau of Indian Affairs, Southern Ute Agency

ADDRESS: P.O. Box 315, Ignacio, CO 81137

PHONE: (970) 563-4514

1649

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

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Revised March 17, 1999

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District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/> <input type="checkbox"/> Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		4. Generator: Duke Energy Field Services
2. Management Facility Destination: JFJ Landfarm L.L.C.		5. Originating Site Val Verde Plant Sec. 11, TWP-29N, R-11W, San Juan County
3. Address of Facility Operator: Industrial Ecosystems Inc. P.O. Box 2043 Farmington, N.M. 87499		6. Transporter: Riley Industrial.
1. Location of Material (Street Address or ULSTR) 420 CR 3100 Aztec, NM 87410		8. State: New Mexico
9. Circle One: <input checked="" type="radio"/> 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. <input type="radio"/> 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:

Carbon Filter Media "Bituminous / Subbituminous Coal Based Activated Carbons"

train #6

Estimated Volume 6 Known Volume (to be entered by the operator at the end of the haul) 6

SIGNATURE: Aaron Maurer  
Waste Management Facility Authorized Agent

TITLE: Manager DATE: 10-9-2002

TYPE OR PRINT NAME: Aaron J. Maurer TELEPHONE NO. (505) 632-1782

(This space for State Use)

APPROVED BY: Denny Hunt TITLE: Enviro/Engl DATE: 10/31/02  
APPROVED BY: Archie Hughes TITLE: geologist DATE: 10/31/02



Field Services

Non-Hazardous Waste Manifest

Energy Field Services  
Attn: Val Verde Facility Manager  
119 County Road 4900  
P.O. Box 69  
Bloomfield, NM 87413

Date: 10-9-2002

**DEFS Personnel Complete:**

<b>Waste Location:</b>	Val Verde Plant Facility Name,	San Juan County,	11 Section,	29N TWP,	11W Range				
<b>Est. Volume:</b>	6 Yards (Give units, ie. Yd3, lbs,								
<b>Description:</b>	Charcoal Filter Profile #. etc.								
<b>Source:</b>	Changing Charcoal Filter Train 6								
<b>Disposal Company &amp; Address:</b>	Industrial Ecosystems Inc. P. O. Box 2043 Farmington NM 87499								
<b>Waste Determination</b> (check 1 box)	<table border="1"><tr><td>Check: <input checked="checked" type="checkbox"/> I hereby certify, represent and warrant that the wastes are generated from oil and gas exploration and production operations exempt from Resource Conservation and Recovery Act (RCRA) Subtitle C Regulations.</td><td>Check: <input type="checkbox"/> I hereby certify, that according to the Resources Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July, 1988, regulatory determination the above described waste is Non-Exempt oilfield waste which is non-hazardous by characteristic analysis or by product identification.</td></tr></table>					Check: <input checked="checked" type="checkbox"/> I hereby certify, represent and warrant that the wastes are generated from oil and gas exploration and production operations exempt from Resource Conservation and Recovery Act (RCRA) Subtitle C Regulations.	Check: <input type="checkbox"/> I hereby certify, that according to the Resources Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July, 1988, regulatory determination the above described waste is Non-Exempt oilfield waste which is non-hazardous by characteristic analysis or by product identification.		
Check: <input checked="checked" type="checkbox"/> I hereby certify, represent and warrant that the wastes are generated from oil and gas exploration and production operations exempt from Resource Conservation and Recovery Act (RCRA) Subtitle C Regulations.	Check: <input type="checkbox"/> I hereby certify, that according to the Resources Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July, 1988, regulatory determination the above described waste is Non-Exempt oilfield waste which is non-hazardous by characteristic analysis or by product identification.								
<b>Disposal Approval For DEFS</b>	<table border="1"><tr><td>Sig: <i>Blair Armstrong</i></td><td>Date: 10/8/2002</td></tr><tr><td>Print: BLAIR ARMSTRONG</td><td>Title: Plant Supervisor</td></tr></table>					Sig: <i>Blair Armstrong</i>	Date: 10/8/2002	Print: BLAIR ARMSTRONG	Title: Plant Supervisor
Sig: <i>Blair Armstrong</i>	Date: 10/8/2002								
Print: BLAIR ARMSTRONG	Title: Plant Supervisor								

**Transporter Complete:**

<b>Company Name and Address:</b>	Riley Industrial 2615 San Juan Blvd.					
<b>Signature and Date:</b>	<table border="1"><tr><td>Sig: <i>Tom Nakai</i></td><td>Date: 10/9/2002</td></tr><tr><td>Print Name: TOM NAKAI</td><td>10902</td></tr></table>		Sig: <i>Tom Nakai</i>	Date: 10/9/2002	Print Name: TOM NAKAI	10902
Sig: <i>Tom Nakai</i>	Date: 10/9/2002					
Print Name: TOM NAKAI	10902					

**Disposal Facility Complete**

(Complete and return a copy to DEFS at address above)

Date Rec: 10-9-2002	Vol Rec: 6-yards
Waste Location: B.E.I.	Received by: Sign <i>Aaron J. Mauer</i>
Tele #: 632-1782	Print Name: <i>Aaron J. Mauer</i>
Comments: Wear Gloves and Goggles	24 hour emergency # 505-632-1815 Fax number 505-632-1817



District I  
1625 N. French Dr., Hobbs, NM 88240  
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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

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District Office

**REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE**

1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/> <input type="checkbox"/> Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	4. Generator Manana Gas Inc.
2. Management Facility Destination JFJ Landfarm L.L.C.	5. Originating Site SE/4 Sec 14, T-30-N, R-12-W, San Juan County
3. Address of Facility Operator: Industrial Ecosystems Inc. P.O. Box 2043 Farmington, N.M. 87499	6. Transporter: C & L Trucking
7. Location of Material (Street Address or ULSTR) 420 CR. 3100 Aztec, NM 87410	8. State: New Mexico
9. Circle One: <input checked="" type="radio"/> 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. <input type="radio"/> 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:  
Contaminated soil from old earthen drip pit;

See attachment from Onsite Technologies.

Estimated Volume 200-Cubic yards Known Volume (to be entered by the operator at the end of the haul) 200-Cubic yards

SIGNATURE Aaron J. Maurer TITLE: Manager DATE: 10-7-2002  
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Aaron J. Maurer TELEPHONE NO. (505) 632-1782

(This space for State Use)

APPROVED BY: Dennis Fenty TITLE: Enviro/Engl DATE: 10/31/02  
APPROVED BY: Robert Hughes TITLE: geologist DATE: 10-31-02





# NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

GARY E. JOHNSON

Governor

Betty Rivera

Cabinet Secretary

Lori Wrotenbery

Director

Oil Conservation Division

## CERTIFICATE OF WASTE STATUS

1. Generator Name and Address Manana Gas Inc. 2520 Tramway Terrace Court N.E. Albuquerque, NM 87122	2. Destination Name: Industrial Ecosystems Inc. JFJ Land Farm 420 Cr 3100 Aztec, NM 87410
3. Originating Site (name): Betty Hartman #1  attach list of originating sites as appropriate	Location of the Waste (Street address &/or ULSTR):  SE 1/4, San Juan County Sec 14, T-30-N, R-12-W
4. Source and Description of Waste  Contaminated soil from Old Earthen Pit.	

I, Ed Bond \_\_\_\_\_ representative for :  
Print Name

Manana Gas Inc. \_\_\_\_\_ do hereby certify that, according to the  
Resource Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July, 1988, regulatory determination, the  
above described waste is: (Check appropriate classification)

☒ X **EXEMPT** oilfield waste      ☐ **NON-EXEMPT** oilfield waste which is non-hazardous by characteristic  
analysis or by product identification

and that nothing has been added to the exempt or non-exempt non-hazardous waste defined above.

For **NON-EXEMPT** waste the following documentation is attached (check appropriate items):

☐ MSDS Information      ☐ Other (description)  
☐ RCRA Hazardous Waste Analysis  
☐ Chain of Custody

This waste is in compliance with Regulated Levels of Naturally Occurring Radioactive Material (NORM) pursuant to 20  
NMAC 3.1 subpart 1403.C and D.

Name (Original Signature): Ed Hartman \_\_\_\_\_

Title: President Manana Gas Inc. \_\_\_\_\_

Date: \_\_\_\_\_

District I  
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1301 W. Grand Avenue, Artesia, NM 88210  
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Form C-138  
Revised March 17, 1999

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REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/> <input type="checkbox"/> Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	4. Generator: Red Cedar Gathering
2. Management Facility Destination: JFJ Landfarm L.L.C.	5. Originating Site Sec. 15, TW-32-N, R-11-W Antler Treating Plant
3. Address of Facility Operator: Industrial Ecosystems Inc. P.O. Box 2043 Farmington, N.M. 87499	6. Transporter: Riley Industrial
7. Location of Material (Street Address or ULSTR) 420 CR 3100 Aztec, NM 87410	8. State: Colorado
9. Circle One: <input checked="" type="radio"/> 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. <input type="radio"/> 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:

Carbon Filter Media "Bituminous / Subbituminous Coal Based Activated Carbons"

Estimated Volume 12 Known Volume (to be entered by the operator at the end of the haul) 12

SIGNATURE Aaron J. Maurer TITLE: Manager DATE: 10-7-2002  
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Aaron J. Maurer TELEPHONE NO. (505) 632-1782

(This space for State Use)

APPROVED BY: Denny Fent TITLE: Enviro/Eng DATE: 10/31/02  
APPROVED BY: R. Kuyh TITLE: geologist DATE: 10/31/02

# CERTIFICATE OF WASTE STATUS



1. Generator Name and Address: Red Cedar Gathering 26266 Highway 160 Durango, CO 81303	2. Destination Name and Address: Tierra Environmental Co. Inc., Land Farm 420 Road 3100 Aztec, NM 87410
3. Originating Site (name): Antler Treating Plant at Section 15 of Township 32 North, Range 11 West	
4. Source and Description of Waste (revised): Spent Carbon Filter Media - Approximately 6,000 pounds - October 2, 2002	

I, Shawn A. Young, representative for Red Cedar Gathering do hereby certify that, according to the Resource Conservation and Recovery Act (RCRA) and the Environmental Protection Agency's July 1998 regulatory determination, the above-described waste is classified as indicated below:

- ☒ **EXEMPT** oilfield waste  
☐ **NON-EXEMPT** oilfield waste which is non-hazardous by characteristic analysis or by product identification and that nothing has been added to the exempt or non-exempt non-hazardous waste defined above.

For NON-EXEMPT waste only, the following documentation is attached:

- ☐ MSDS Information  
☒ Other (Description): Laboratory Analysis  
☒ RCRA Hazardous Waste Analysis  
☐ Chain of Custody

Name (Original Signature):

**X**

Title: Safety & Environmental Manager

Date: August 7, 2002



## MATERIAL SAFETY DATA SHEET

NORIT MSDS No. 117  
Revision Date: Sept. 13, 2000  
Revision No. 01

NORIT Bituminous/Subbituminous Coal Based  
Activated Carbons

NFPA HAZARD SYMBOL

Flammability	1
Health	1
Reactivity	0
Special Hazards	*

4-Extreme  
3-High  
2-Moderate  
1-Slight  
0-Insignificant  
\*-See Section 16 for Special Hazards

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

NORIT Americas Inc. 5775 Peachtree Dunwoody Rd, Building C. Suite 250 Atlanta, GA 30342

#### Emergency Telephone Numbers:

CHEM•TEL Inc. (800) 255-3924 (24 hour) Sales Office (800) 641-9245 Pryor Plant (918) 825-5570

Names used on product labels • NORIT GAC (Includes all grades produced from Bituminous/Subbituminous Coal)

- NORIT PAC (Includes all grades produced from Bituminous/Subbituminous Coal)

Chemical Name

- Activated Carbon

Product Use

- Liquid and vapor applications (purification, decolorization, separation, and deodorization)

### 2. COMPOSITION / INFORMATION ON INGREDIENTS

IDENTITY	CAS NO.	%	OSHA HAZARD
Activated Carbon	7440-44-0	100	NO

### 3. HAZARDS IDENTIFICATION

#### EMERGENCY OVERVIEW:

Odorless black granules. Activated carbon (especially when wet) can deplete oxygen from air in enclosed spaces, and dangerously low levels of oxygen may result. When workers enter a vessel containing activated carbon, procedures for potentially low oxygen areas should be followed. Workers should also take appropriate precautions when dealing with spent (used) activated carbons which may exhibit properties of adsorbed materials.

#### POTENTIAL HEALTH EFFECTS:

Medical conditions aggravated by exposure: None documented

#### Routes of Exposure:

- Eyes: • Not corrosive, but like most particulate materials, may cause mild physical irritation.
- Skin: • Not corrosive and not a primary skin irritant. Mild irritation is possible due to abrasive action of dust.
- Ingestion: • No known deleterious effects.
- Inhalation: • Possible mild irritation of respiratory tract due to drying and abrasive actions of dust.
- Chronic Effects: • IARC: Not listed
- NTP: Not listed
  - OSHA: Not regulated

For additional information, see Section 16.



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#### 4. FIRST AID MEASURES

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- Skin: • Wash material off the skin with soap and water, seek medical attention if irritation occurs.
- Eyes: • Flush with copious amounts of water. Seek medical attention if irritation occurs.
- Ingestion: • Give one or two glasses of water to drink. Seek medical attention if gastrointestinal symptoms develop.
- Inhalation: • Remove to fresh air. Seek Medical attention if cough or respiratory symptoms develop.

---

#### 5. FIRE FIGHTING MEASURES

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- Flashpoint • Not Applicable.
- Non-flammable • OSHA Method 16CFR1500.44 (Incorporated by reference in 29CFR1910.1200)

Not Spontaneously Combustible • DOT Method 49CFR Part 173, Appendix E.

Flammability Limits in Air • LFL, and UFL Not Applicable

##### GENERAL HAZARD:

Activated carbon is difficult to ignite and tends to burn slowly (smolder) without producing smoke or flame. Toxic gases will form upon combustion.

##### FIRE FIGHTING INSTRUCTIONS:

If possible to do safely, move smoldering activated carbon to a non-hazardous area, preferably out of doors. Extinguish fire using water fog, fine water spray, carbon dioxide or foam. Avoid stirring up dust clouds.

##### FIRE FIGHTING EQUIPMENT:

Respiratory and eye protection required for fire fighting personnel includes full protective equipment (Bunker Gear). A self-contained breathing apparatus (SCBA) should be used for all indoor fires and any large outdoor fires.

##### HAZARDOUS COMBUSTION PRODUCTS:

Products may include smoke and oxides of carbon (for example, carbon monoxide). Materials allowed to smolder for long periods in enclosed spaces, may produce amounts of carbon monoxide which reach the lower explosive limit (carbon monoxide LEL = 12.5% in air). Under certain conditions, any airborne dust may be an explosion hazard.

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#### 6. ACCIDENTAL RELEASE MEASURES

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##### IF A SPILL OR LEAK OCCURS:

Clean up spills in a manner that does not disperse dust into the air. Handle in accordance with good industrial hygiene and safety practices. These practices include avoiding unnecessary exposure, and removal of material from eyes, skin, and clothing.

##### DISPOSAL METHOD:

Dispose of virgin (unused) carbon (waste or spillage) in a facility permitted for non-hazardous wastes. Spent (used) carbon should be disposed of in accordance with applicable laws.

##### CONTAINER DISPOSAL:

Do not reuse empty bags. Dispose of in facility permitted for non-hazardous wastes.

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#### 7. HANDLING AND STORAGE

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Storage Temperature: • Ambient

Storage Pressure: • Atmospheric

- Handling: • Follow good handling and housekeeping practices to minimize spills, generation of airborne dusts, and accumulation of dusts on exposed surfaces.
- Use with adequate exhaust ventilation to draw dust away from workers' breathing zones.
- Prevent or minimize exposures to dusts by using appropriate respirators, gloves, and eye protection.
- Wash exposed skin areas thoroughly with soap and water after handling.



NORIT Bituminous/Subbituminous Coal Based Activated Carbons

- Storage:
- Product should be stored in a closed dry container. Maintain good housekeeping procedures. Store away from strong oxidizers such as ozone, liquid oxygen, chlorine, permanganate, etc.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

- Engineering Controls: • Use local exhaust ventilation to control emissions near the source. Ventilation systems should be sized and configured to prevent exceedence of recommended or regulated exposure limits (for example, OSHA PELs).
- Eye Protection: • Safety glasses with side shields are recommended for any type of handling. Where eye contact or dusty conditions may be likely, dust tight goggles are recommended. Have eye flushing equipment available.
- Skin Protection: • Avoid contact with the skin. Wear appropriate dust resistant clothing. Wash contaminated clothing and clean protective equipment before reuse. Wash skin thoroughly after handling.
- Respiratory Protection: • Use NIOSH/MSHA approved respiratory protection equipment appropriate to the material and/or its concentration where airborne exposure is likely. If exposures cannot be kept to a minimum with engineering controls, consult respirator manufacturer to determine appropriate type equipment for a given application. Observe respirator use limitations specified by NIOSH/MSHA or the manufacturer.

### Airborne Exposure Guidelines:

Components	OSHA PEL			ACGIH TLV		
	TWA	STEL	CEILING	TWA	STEL	CEILING
Activated Carbon	15mg/m <sup>3</sup> TD*	Not Established	Not Established	10mg/m <sup>3</sup> TD*	Not Established	Not Established
	5mg/m <sup>3</sup> RD*	Not Established	Not Established	Not Established	Not Established	Not Established

\*OSHA and ACGIH have not established specific exposure limits for this material. However, OSHA and ACGIH have established limits for nuisance dusts which are the least stringent exposure limits applicable to dusts. The OSHA PEL/TWA for particulates not otherwise classified (nuisance dusts) is 15 mg/m<sup>3</sup> total dust (TD), and 5 mg/m<sup>3</sup> respirable dust (RD). The ACGIH TLV/TWA for particulates not otherwise classified is 10 mg/m<sup>3</sup> total dust (TD). These limits are stated only to indicate the least stringent airborne dust exposure levels applicable to nuisance dusts. Use control measures as specified above to minimize exposure.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point, C:	• NA	Freezing Point, C:	• NA
Bulk Density - Granular Grades	• 28-34 lbs/ft <sup>3</sup>	% Volatiles	• NA
Vapor Pressure	• NA	Solubility in Water	• Insoluble
Vapor Density	• NA	Appearance and Odor	• Black granules with no odor
Evaporation Rate	• NA		
NA - Not applicable			

## 10. STABILITY AND REACTIVITY DATA

- Stability: • This product is considered stable under the specified conditions of storage, shipment and use.
- Incompatibility: • Contact with strong oxidizers such as ozone, liquid oxygen, chlorine, permanganate, etc. may result in rapid combustion. Avoid contact with strong acids.
- Hazardous Decomposition Products: • Oxides of Carbon
- Hazardous Polymerization: • Does not occur.

## 11. TOXICOLOGICAL INFORMATION

This material is non-toxic. Contact the manufacturer for further information.



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## 12. ECOLOGICAL INFORMATION

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This material, in its original state, is not harmful to the environment. Contact the manufacturer for further information.

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## 13. DISPOSAL CONSIDERATIONS

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Coal based activated carbon, in its original state, is not a hazardous material or hazardous waste. Follow applicable governmental regulations for waste disposal.

Used activated carbon may become classified as a hazardous waste depending upon the application. Follow applicable regulations for disposal.

Recycling (re-activation) may be a viable alternative to disposal. Contact the manufacturer for information.

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## 14. TRANSPORT INFORMATION

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DOT (Department of Transportation)

Proper Shipping Name: • Activated carbon (Not DOT Regulated).  
Hazard Class: • Not applicable.  
UN Number: • Not applicable.  
Packing Group: • Not applicable.  
Freight Classification: • STCC Code - #2899643 NMFC Class - 70

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## 15. REGULATORY INFORMATION

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### FEDERAL REGULATIONS:

OSHA Hazard Communication 1, Standard, 29CFR1910.1200: • See "Particulates not otherwise regulated," in Table Z- of 29CFR1910.1000, "Limits For Air Contaminates".  
CERCLA/SUPERFUND, 40CFR117, 302: • Notification of spills of this material is not required.  
SARA/SUPERFUND: • Amendments and Reauthorization Act of 1986 (Title III), Sections 302, and 313:  
• SECTION 302 - EXTREMELY HAZARDOUS SUBSTANCES (40CFR355): This product is not listed as an extremely hazardous substance.  
• SECTION 313 - LIST OF TOXIC CHEMICALS: This product is not listed.  
Toxic Substances Control Act, 40CFR710: • This product is on the inventory list.  
Resource Conservation and Recovery Act: • This product, in its original state, does not meet the criteria of hazardous waste.

### STATE REGULATIONS:

California Occupational Safety and Health • Not listed.  
Massachusetts Substance List • Not listed.  
New Jersey Right-To-Know • Not listed.  
Pennsylvania Right-To-Know • Not listed.

### WHMIS CLASSIFICATION:

• Not controlled.



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## 16. OTHER INFORMATION

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Activated carbon can be safely stored in any normal storage area, but away from sources of direct heat.

**WARNING:** Activated carbon (especially when wet) can deplete oxygen from the air, and dangerously low levels of oxygen may result. When workers enter a vessel containing activated carbon, procedures for potentially low oxygen areas should be followed.

Activated carbons are not listed as potential carcinogens by any agency. Because NORIT Americas adheres to a very conservative position regarding all health and safety matters, we recommend and follow a practice of requiring respiratory protection whenever there is any evidence of airborne dust.

### REVISION SUMMARY:

The information herein is given in good faith but no warranty, expressed or implied, is made.



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: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/> <input type="checkbox"/> Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	4. Generator Red Cedar Gathering
2. Management Facility Destination JFJ Landfarm L.L.C.	5. Originating Site Sec. 17 of T32N, R11W Coyote Gulch Natural Gas Treating Plant
3. Address of Facility Operator: Industrial Ecosystems Inc. P.O. Box 2043 Farmington, N.M. 87499	6. Transporter: Riley Industrial
7. Location of Material (Street Address or ULSTR) 420 CR 3100 Aztec, NM 87410	8. State: Colorado
9. <u>Circle One</u> : A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job. B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved.  All transporters must certify the wastes delivered are only those consigned for transport.	

### BRIEF DESCRIPTION OF MATERIAL:

Carbon Filter Media "Bituminous / Subbituminous Coal Based Activated Carbons

Estimated Volume 14 Known Volume (to be entered by the operator at the end of the haul) 14

SIGNATURE Aaron J. Maurer TITLE: Manager DATE: 10-7-2002  
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Aaron J. Maurer TELEPHONE NO. (505) 632-1782

(This space for State Use)

APPROVED BY: <u>Denny Keist</u>	TITLE: <u>Enviro/Engl</u>	DATE: <u>10/31/02</u>
APPROVED BY: <u>Joe Hupsh</u>	TITLE: <u>geologist</u>	DATE: <u>10/31/02</u>

# CERTIFICATE OF WASTE STATUS

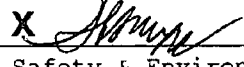
1. Generator Name and Address: Red Cedar Gathering 26266 Highway 160 Durango, CO 81303	2. Destination Name and Address: Tierra Environmental Co., Inc., Land Farm 420 Road 3100 Aztec, NM 87410
3. Originating Site (name): Capote Compressor Station at Sec. 33 of T33N, R9W	
4. Source and Description of Waste: Capote Membrane Plant Carbon Filter Media - Approximately 12 yards <sup>3</sup> . 04 NOV 02	

I, Shawn A. Young, representative for Red Cedar Gathering do hereby certify that, according to the Resource Conservation and Recovery Act (RCRA) and the Environmental Protection Agency's July 1998 regulatory determination, the above-described waste is classified as indicated below:

- ☒ **EXEMPT** oilfield waste  
☐ **NON-EXEMPT** oilfield waste which is non-hazardous by characteristic analysis or by product identification and that nothing has been added to the exempt or non-exempt non-hazardous waste defined above.

For NON-EXEMPT waste only, the following documentation is attached:

- ☐ MSDS Information  
☐ Other (Description):  
☐ RCRA Hazardous Waste Analysis  
☐ Chain of Custody

Name (Original Signature): X   
Title: Safety & Environmental Manager  
Date: September 27, 2002

CERTIFICATE FROM OUT OF STATE AGENCY AUTHORIZING REMOVAL OF RCRA  
EXEMPT OILFIELD WASTE FROM THEIR JURISDICTION TO NEW MEXICO

I have reviewed the enclosed information concerning the oilfield waste material from the Coyote Gulch Treatment Plant (Carbon – 10162002) and agree that by its description it is non-hazardous and therefore exempt from regulation by the Resource Conservation and Recovery Act (RCRA) and my jurisdictions rules, regulations or statutes.

**X**

The material is exempt from regulation because it is classified as non-hazardous waste by definition

\_\_\_\_\_ The material is exempt from regulation by characteristic analyses

\_\_\_\_\_ This material is exempt from regulation by product identification

THEREFORE:

As a representative for the Bureau of Indian Affairs, I have no objection to the material being removed to New Mexico.

NAME: Mike Stancampiano

TITLE: Superintendent

SIGNATURE: \_\_\_\_\_

DATE: \_\_\_\_\_

AGENCY: Bureau of Indian Affairs, Southern Ute Agency

ADDRESS: P.O. Box 315, Ignacio, CO 81137

PHONE: (970) 563-4514

**Client:** Red Cedar Gathering  
**Project:** Antler / Coyote Gulch  
**Sample ID:** C.G. - Carbon  
**Lab ID:** 0302W00780  
**Matrix:** Soil  
**Condition:** Cool/Intact

**Date Reported:** 04/24/02  
**Date Sampled:** 03/07/02  
**Date Received:** 03/07/02  
**Date Extracted:** N/A


Parameter	Analytical Result	PQL	Units
<b>BTEX - Method 8021B</b>			
Benzene	<5	5	mg/Kg
Toluene	<5	5	mg/Kg
Ethylbenzene	<5	5	mg/Kg
Xylenes (total)	<15	15	mg/Kg

Quality Control - Surrogate Recovery	%	QC Limits
4-Bromofluorobenzene(SUR-8021B)	104	70 - 130

Reference: Method 8021b, Volatile Organic Compounds, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, United States Environmental Protection Agency, SW-846, Volume IB.

Reviewed By: 

Analyst: \_\_\_\_\_




**Client:** Red Cedar Gathering  
**Project:** Antler / Coyote Gulch  
**Sample ID:** C.G. - Carbon  
**Lab ID:** 0302W00780  
**Matrix:** Soil  
**Condition:** Cool/Intact

**Date Reported:** 04/24/02  
**Date Sampled:** 03/07/02  
**Date Received:** 03/07/02  
**Date Extracted:** N/A

Parameter	Analytical Result	PQL	Units
<b>DRO - Method 8015M</b>			
Diesel Range Organics (C10 - C22)	346	50	mg/Kg

Quality Control - Surrogate Recovery	%	QC Limits
o-Terphenyl(SUR-8015)	0	70 - 130



Reference: SW-846 - "Test Methods for Evaluating Solid Waste: Physical/Chemical Methods", United States Environmental Protection Agency, November, 1986.

Reviewed By: 

Analyst: \_\_\_\_\_

**Client:** Red Cedar Gathering  
**Project:** Antler / Coyote Gulch  
**Sample ID:** C.G. - Carbon  
**Lab ID:** 0302W00780  
**Matrix:** Soil  
**Condition:** Cool/Intact

**Date Reported:** 04/24/02  
**Date Sampled:** 03/07/02  
**Date Received:** 03/07/02  
**Date Extracted:** N/A  
**Date Analyzed:** 03/25/02

Parameter	Analytical Result	PQL	Units
<b>TOTAL METALS - Method 3050</b>			
Arsenic	<6	6	mg/Kg
Barium	<1	1	mg/Kg
Cadmium	<0.5	0.5	mg/Kg
Chromium	1	1	mg/Kg
Lead	<5	5	mg/Kg
Mercury	<0.06	0.06	mg/Kg
Selenium	<4	4	mg/Kg
Silver	<2	2	mg/Kg

Reference: SW-846 - "Test Methods for Evaluating Solid Waste: Physical/Chemical Methods", United States Environmental Protection Agency, November, 1986.  
SW-846 - "Test Methods for Evaluating Solid Waste: Physical/Chemical Methods", United States Environmental Protection Agency, Final Update 1, July 1992.

Reviewed By: 

Analyst: \_\_\_\_\_

**Client:** Red Cedar Gathering  
**Project:** Antler / Coyote Gulch  
**Sample ID:** C.G. - Carbon  
**Lab ID:** 0302W00780  
**Matrix:** Soil  
**Condition:** Cool/Intact

**Date Reported:** 04/24/02  
**Date Sampled:** 03/07/02  
**Date Received:** 03/07/02  
**Date Extracted:** N/A

Parameter	Analytical Result	PQL	Units
<b>GENERAL PARAMETERS</b>			
Corrosivity -pH	10		s.u.
Flash Point	>140	140	°F
Reactivity - HCN	<1	1	meq/Kg
Reactivity-H2S	68	1	mg/Kg

Reference: SW-846 - "Test Methods for Evaluating Solid Waste: Physical/Chemical Methods", United States Environmental Protection Agency, Final Update 1, July 1992.  
SW-846 - "Test Methods for Evaluating Solid Waste: Physical/Chemical Methods", United States Environmental Protection Agency, November, 1986.

Reviewed By: 

Analyst: \_\_\_\_\_

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Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-138  
Revised March 17, 1999

Submit Original  
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to Appropriate  
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/> <input type="checkbox"/> Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		4. Generator: Duke Energy Field Services
2. Management Facility Destination: JFJ Landfarm L.L.C.		5. Originating Site Val Verde Plant Sec. 11, TWP-29N, R-11W, San Juan County
3. Address of Facility Operator: Industrial Ecosystems Inc. P.O. Box 2043 Farmington, N.M. 87499		6. Transporter: Riley Industrial.
1. Location of Material (Street Address or ULSTR) 420 CR 3100 Aztec, NM 87410		8. State: New Mexico
9. Circle One: A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job. B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved. All transporters must certify the wastes delivered are only those consigned for transport.		

BRIEF DESCRIPTION OF MATERIAL:

Carbon Filter Media "Bituminous / Subbituminous Coal Based Activated Carbons" train #3

Estimated Volume 6 Known Volume (to be entered by the operator at the end of the haul) 6

SIGNATURE [Signature] TITLE: Manager DATE: 10-02-2002  
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Aaron J. Maurer TELEPHONE NO. (505) 632-1782

(This space for State Use)

APPROVED BY: [Signature] TITLE: Enviro/Engr DATE: 10/31/02  
APPROVED BY: [Signature] TITLE: g-co 10915 DATE: 10/31/02





Field Services

Non-Hazardous Waste Manifest

Duke Energy Field Services  
Attn: Val Verde Facility Manager  
119 County Road 4900  
P.O. Box 69  
Bloomfield, NM 87413

Date:

**DEFS Personnel Complete:**

<b>Waste Location:</b>	Val Verde Plant Facility Name,	San Juan County,	11 Section,	29N TWP,	11W Range
<b>Est. Volume:</b>	6 YARDS (Give units, ie. Yd3, lbs,				
<b>Description:</b>	Charcoal Filter				
<b>Source:</b>	Changing Charcoal Filter train #3				
<b>Disposal Company &amp; Address:</b>	Industrial Ecosystems Inc. P. O. Box 2043 Farmington NM 87499				
<b>Waste Determination (check 1 box)</b>	<input checked="checked" type="checkbox"/> Check: I hereby certify, represent and warrant that the wastes are generated from oil and gas exploration and production operations exempt from Resource Conservation and Recovery Act (RCRA) Subtitle C Regulations.		<input type="checkbox"/> Check: I hereby certify, that according to the Resources Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July, 1988, regulatory determination the above described waste is Non-Exempt oilfield waste which is non- hazardous by characteristic analysis or by product identification.		
<b>Disposal Approval For DEFS</b>	Sig: <i>Blair Armstrong</i> Print: BLAIR ARMSTRONG		Date: 10/2/2002 Title: Plant Supervisor		

**Transporter Complete:**

<b>Company Name and Address:</b>	Riley Industrial 2615 San Juan Blvd.	
<b>Signature and Date:</b>	Sig: <i>Red. Mazine</i> Print Name: Red. Mazine	Date: 10/2/2002

**Disposal Facility Complete**

(Complete and return a copy to DEFS at address above)

Date Rec: 10-3-2002	Vol Rec: 6 yards
Waste Location: Industrial Ecosystems	Received by: Sign <i>Aaron J. Maurer</i>
Tele #: 632-1782, 860-7728	Print Name: Aaron J. Maurer
Comments: Wear Gloves and Goggles	24 hour emergency # 505-632-1815 Fax number 505-632-1817

1

3. Originating Site (name):	Location of the Waste (Street address/ or ULSTR)
Val Verde Plant	
# 119 Road 4900	
Bloomfield NM87413	

I, Blair Armstrong representative for:  
DEFS Val Verde do hereby certify that,  
according to the Resource Conservation and Recovery Act (RCRA) and Environmental  
Protection Agency's July, 1988, regulatory determination, the above described waste is:  
(Check the appropriate classification)  
☒ EXEMPT oilfield waste ☐ NON-EXEMPT oilfield waste which is  
Non-hazardous by characteristic analysis  
or by product identification.

And that nothing has been added to the exempt or non-exempt non-hazardous waste defined above.

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

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District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/> <input type="checkbox"/> Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		4. Generator: Duke Energy Field Services
2. Management Facility Destination: JFJ Landfarm L.L.C.		5. Originating Site Val Verde Plant Sec. 11, TWP-29N, R-11W, San Juan County
3. Address of Facility Operator: Industrial Ecosystems Inc. P.O. Box 2043 Farmington, N.M. 87499		6. Transporter: Riley Industrial.
1. Location of Material (Street Address or ULSTR) 420 CR 3100 Aztec, NM 87410		8. State: New Mexico
9. Circle One: A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job. B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved.  All transporters must certify the wastes delivered are only those consigned for transport.		

BRIEF DESCRIPTION OF MATERIAL:

Carbon Filter Media "Bituminous / Subbituminous Coal Based Activated Carbons" train #4.

Estimated Volume 6 Known Volume (to be entered by the operator at the end of the haul) 6

SIGNATURE Aaron J. Maurer TITLE: Manager DATE: 9-30-2002  
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Aaron J. Maurer TELEPHONE NO. (505) 632-1782

(This space for State Use)		
APPROVED BY: <u>Dennis Fuent</u>	TITLE: <u>Enviro/Engnr</u>	DATE: <u>10/31/02</u>
APPROVED BY: <u>R. E. Hughes</u>	TITLE: <u>geologist</u>	DATE: <u>10/31/02</u>



Field Services

Non-Hazardous Waste Manifest

Duke Energy Field Services  
In: Val Verde Facility Manager  
119 County Road 4900  
P.O. Box 69  
Bloomfield, NM 87413

Date:

**DEFS Personnel Complete:**

<b>Waste Location:</b>	Val Verde Plant Facility Name,	San Juan County,	11 Section,	29N TWP,	11W Range				
<b>Est. Volume:</b>	6 Yards (Give units, ie. Yd3, lbs,								
<b>Description:</b>	Profile #, etc. Charcoal Filter								
<b>Source:</b>	Changing Charcoal Filters train #4								
<b>Disposal Company &amp; Address:</b>	Industrial Ecosystems Inc. P. O. Box 2043 Farmington NM 87499								
<b>Waste Determination</b> (check 1 box)	<table border="1"><tr><td>Check: <input checked="" type="checkbox"/></td><td>Check: <input type="checkbox"/></td></tr><tr><td>I hereby certify, represent and warrant that the wastes are generated from oil and gas exploration and production operations exempt from Resource Conservation and Recovery Act (RCRA) Subtitle C Regulations.</td><td>I hereby certify, that according to the Resources Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July, 1988, regulatory determination the above described waste is Non-Exempt oilfield waste which is non-hazardous by characteristic analysis or by product identification.</td></tr></table>					Check: <input checked="" type="checkbox"/>	Check: <input type="checkbox"/>	I hereby certify, represent and warrant that the wastes are generated from oil and gas exploration and production operations exempt from Resource Conservation and Recovery Act (RCRA) Subtitle C Regulations.	I hereby certify, that according to the Resources Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July, 1988, regulatory determination the above described waste is Non-Exempt oilfield waste which is non-hazardous by characteristic analysis or by product identification.
Check: <input checked="" type="checkbox"/>	Check: <input type="checkbox"/>								
I hereby certify, represent and warrant that the wastes are generated from oil and gas exploration and production operations exempt from Resource Conservation and Recovery Act (RCRA) Subtitle C Regulations.	I hereby certify, that according to the Resources Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July, 1988, regulatory determination the above described waste is Non-Exempt oilfield waste which is non-hazardous by characteristic analysis or by product identification.								
<b>Disposal Approval For DEFS</b>	<table border="1"><tr><td>Sig: Blair Armstrong</td><td>Date: 9/30/2002</td></tr><tr><td>Print Blair Armstrong</td><td>Title: Plant Supervisor</td></tr></table>					Sig: Blair Armstrong	Date: 9/30/2002	Print Blair Armstrong	Title: Plant Supervisor
Sig: Blair Armstrong	Date: 9/30/2002								
Print Blair Armstrong	Title: Plant Supervisor								

**Transporter Complete:**

<b>Company Name and Address:</b>	Riley Industrial 2615 San Juan Blvd.					
<b>Signature and Date:</b>	<table border="1"><tr><td>Sign: [Signature]</td><td>Date: 9/30/2002</td></tr><tr><td>Print Name: Rudi Mazurke</td><td></td></tr></table>		Sign: [Signature]	Date: 9/30/2002	Print Name: Rudi Mazurke	
Sign: [Signature]	Date: 9/30/2002					
Print Name: Rudi Mazurke						

**Disposal Facility Complete**

(Complete and return a copy to DEFS at address above)

Date Rec: 9-30-2002	Vol Rec: 6 yards
Waste Location: Industrial EcoSystems	Received by: Sign Aaron J. Maurer
Tele #: 632-1782	Print Name: Aaron J. Maurer
Comments: Wear Gloves and Goggles	24 hour emergency # 505-632-1815 Fax number 505-632-1817

# CERTIFICATE OF WASTE STATUS

1. Generator Name and Address: Duke Energy Field Services # 119 Road 4900 Bloomfield NM 87413	2. Destination Name: Industrial Ecosystems Inc. JFJ land Farm Facility
--	--

3. Originating Site (name): Val Verde Plant # 119 Road 4900 Bloomfield NM 87413	Location of the Waste (Street address/ or ULSTR):
--	---

4. Source and Description of Waste:
Charcoal filter / Charcoal train #4

I, Blair Bergerson representative for:  
DEFJ Val Verde do hereby certify that,  
according to the Resource Conservation and Recovery Act (RCRA) and Environmental  
Protection Agency's July, 1988, regulatory determination, the above described waste is:  
(Check the appropriate classification)

<u>X</u> EXEMPT oilfield waste	_____ NON-EXEMPT oilfield waste which is Non-hazardous by characteristic analysis or by product identification.
--------------------------------	---

And that nothing has been added to the exempt or non- exempt non-hazardous waste defined above.

District I  
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to Appropriate  
District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/> <input type="checkbox"/> Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		4. Generator Duke Energy Field Services
2. Management Facility Destination JFJ Landfarm L.L.C.		5. Originating Site Val Verde Plant SJC Sec-11, TWP-29N, Range 11-W
3. Address of Facility Operator Industrial Ecosystems Inc. PO Box 2043 Farmington, NM 87499		6. Transporter Riley Industrial
7. Location of Material (Street Address or ULSTR) Val Verde Plant 119 CR 4900 Bloomfield, NM 87413		8. State New Mexico

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.

9. Circle One:

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:

Charcoal filters and charcoal from Val Verde Plant Clean up. train #5

Estimated Volume 12 cy Known Volume (to be entered by the operator at the end of the haul) 12 cy

SIGNATURE [Signature] TITLE: Manager DATE: 9/24/2002  
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Aaron J. Maurer TELEPHONE NO. (505) 632-1782

(This space for State Use)

APPROVED BY: [Signature] TITLE: Enviro/Engr DATE: 10/30/02  
APPROVED BY: [Signature] TITLE: geologist DATE: 10/31/02



Field Services

Non-Hazardous Waste Manifest

Energy Field Services  
Attn: Val Verde Facility Manager  
119 County Road 4900  
P.O. Box 69  
Bloomfield, NM 87413

Date:

**DEFS Personnel Complete:**

<b>Waste Location:</b>	Val Verde plant Facility Name,	San Juan County,	11 Section,	29N TWP,	11W Range				
<b>Est. Volume:</b>	12 yards (Give units, ie. Yd3, lbs,								
<b>Description:</b>	Profile #, etc. Charcoal filter								
<b>Source:</b>	Changing charcoal filters train # 5								
<b>Disposal Company &amp; Address:</b>	Industrial Ecosystems Inc. P.O. Box 2043 Farmington nm 87499								
<b>Waste Determination</b> (check 1 box)	<table border="1"><tr><td>Check: <input checked="checked" type="checkbox"/> I hereby certify, represent and warrant that the wastes are generated from oil and gas exploration and production operations exempt from Resource Conservation and Recovery Act (RCRA) Subtitle C Regulations.</td><td>Check: <input type="checkbox"/> I hereby certify, that according to the Resources Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July, 1988, regulatory determination the above described waste is Non-Exempt oilfield waste which is non-hazardous by characteristic analysis or by product identification.</td></tr></table>					Check: <input checked="checked" type="checkbox"/> I hereby certify, represent and warrant that the wastes are generated from oil and gas exploration and production operations exempt from Resource Conservation and Recovery Act (RCRA) Subtitle C Regulations.	Check: <input type="checkbox"/> I hereby certify, that according to the Resources Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July, 1988, regulatory determination the above described waste is Non-Exempt oilfield waste which is non-hazardous by characteristic analysis or by product identification.		
Check: <input checked="checked" type="checkbox"/> I hereby certify, represent and warrant that the wastes are generated from oil and gas exploration and production operations exempt from Resource Conservation and Recovery Act (RCRA) Subtitle C Regulations.	Check: <input type="checkbox"/> I hereby certify, that according to the Resources Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July, 1988, regulatory determination the above described waste is Non-Exempt oilfield waste which is non-hazardous by characteristic analysis or by product identification.								
<b>Disposal Approval For DEFS</b>	<table border="1"><tr><td>Sig: Blair Armstrong</td><td>Date: 9/23/02</td></tr><tr><td>Print BLAIR ARMSTRONG</td><td>Title: Plant supervisor</td></tr></table>					Sig: Blair Armstrong	Date: 9/23/02	Print BLAIR ARMSTRONG	Title: Plant supervisor
Sig: Blair Armstrong	Date: 9/23/02								
Print BLAIR ARMSTRONG	Title: Plant supervisor								

**Transporter Complete:**

<b>Company Name and Address:</b>	Riley Industrial 2615 San Juan Blvd.					
<b>Signature and Date:</b>	<table border="1"><tr><td>Sign: Norman Jones</td><td>Date: 9/24/02</td></tr><tr><td>Print Name: Norman Jones</td><td></td></tr></table>		Sign: Norman Jones	Date: 9/24/02	Print Name: Norman Jones	
Sign: Norman Jones	Date: 9/24/02					
Print Name: Norman Jones						

**Disposal Facility Complete**

(Complete and return a copy to DEFS at address above)

Date Rec: 9-24-2002	Vol Rec: 12 yards
Waste Location: JFJ Land Farm	Received by: Sign Aaron J. Maurer
Tele #: (505) 632-1782	Print Name: Aaron J. Maurer
Comments: Wear Gloves and Goggles	24 hour emergency # 505-632-1815 Fax number 505-632-1817





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: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/> <input type="checkbox"/> Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	4. Generator Burlington Resources
2. Management Facility Destination JFJ Landfarm L.L.C.	5. Originating Site Sec-34, Township-30N, Range-12W McGrath SWD #4
3. Address of Facility Operator: Industrial Ecosystems Inc. P.O. Box 2043 Farmington, N.M. 87499	6. Transporter: Dawn Trucking #278 Dan Mercure
7. Location of Material (Street Address or ULSTR) Space 420 Cr 3100 Aztec, NM 87410	8. State: New Mexico
9. Circle One: <input checked="" type="radio"/> 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. <input type="radio"/> 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:**

B S & W from production facility. Petroleum Contaminated Soil.

Estimated Volume 370bbbls Known Volume (to be entered by the operator at the end of the haul) 370bbbls \_\_\_\_\_

SIGNATURE Aaron J. Maurer TITLE: Manager DATE: 9-5-2002  
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: Aaron J. Maurer TELEPHONE NO. 632-1782

(This space for State Use)

APPROVED BY: Deputy Agent TITLE: Enviro/ Engr DATE: 3/5/03  
APPROVED BY: Chalther TITLE: Deputy O&G inc DATE: 3/5/03

NEW MEXICO ENERGY, MINERALS  
& NATURAL RESOURCES DEPARTMENTAZTEC DISTRICT OFFICE  
1000 RIO BRAZOS ROAD  
AZTEC, NEW MEXICO 87410  
(505) 334-6178 Fax (505) 336-6171GARY E. JOHNSON  
GOVERNORJENNIFER A. SALISBURY  
CABINET SECRETARY

## CERTIFICATE OF WASTE STATUS

1. Generator Name and Address: Burlington Resources 3401 East 30th Street Farmington, NM 87401	2. Destination Name:  EPC
3. Originating Site (name): McGrath SWD #4	Location of the Waste (Street address &/or ULSTR): McGrath SWD #4 Unit: SW Section: 34 Township: 30N Range: 12W
Attach list of originating sites as appropriate	
4. Source and Description of Waste BS&W Tank Bottoms out of mud pit.	

I, Renee Beyale representative for:(Print Name)  
Burlington Resourcesdo hereby certify that,  
according to the Resource Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July,  
1988, regulatory determination, the above described waste is: (Check appropriate classification)☒ EXEMPT oilfield waste ☐ NON-EXEMPT oilfield waste which is non-hazardous by characteristic  
analysis or by product identification

and that nothing has been added to the exempt or non-exempt non-hazardous waste defined above.

For NON-EXEMPT waste the following documentation is attached (check appropriate items):

☐ MSDS Information  
☐ RCRA Hazardous Waste Analysis  
☐ Chain of Custody☐ Other (description):This waste is in compliance with Regulated Levels of Naturally Occurring Radioactive Material (NORM) pursuant  
to 20 NMAC 3.1 subpart 1403.C and D.

Name (Original Signature):

Title: Operations AssociateDate: Thursday, September 5, 2002

May 31 2002 10:13AM P2

FRX NO. :

FROM :

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

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**REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE**

1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/> <input type="checkbox"/> Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	4. Generator Basin Disposal
	5. Originating Site: 200 Montano Ave C.R. 5046 Bloomfield N.M. 87413
2. Management Facility Destination JFJ Landfarm L.L.C.	6. Transporter: Inland Trucking Co.
3. Address of Facility Operator: Industrial Ecosystems Inc. P.O. Box 2043 Farmington, N.M. 87499	8. State: New Mexico
7. Location of Material (Street Address or ULSTR) Space 420, County Rd 3100 Aztec N.M. 87410	
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:  
Solidified Tank bottom sludge



Estimated Volume 1164 cy Known Volume (to be entered by the operator at the end of the haul) 1164 cy

SIGNATURE James Hatcher TITLE: MANAGER DATE: 8/30/02  
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: James Hatcher TELEPHONE NO. 505-632-1782

(This space for State Use)

APPROVED BY: Denny Fernt TITLE: Enviro/Engr DATE: 9/10/02  
APPROVED BY: W. E. Hayden TITLE: geologist DATE: 9-10-2



NEW MEXICO ENERGY, MINERALS  
& NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION  
AZTEC DISTRICT OFFICE  
1000 RIO BRAZOS ROAD  
AZTEC, NEW MEXICO 88001  
(505) 334-6178 Fax (505) 334-6179

GARY E. JOHNSON  
GOVERNOR

JENNIFER A. SALISBURY  
CABINET SECRETARY

## CERTIFICATE OF WASTE STATUS

1. Generator Name and Address: <i>Basin Disposal</i> <i>P.O. Box 100 Aztec N.M.</i>	2. Destination Name: <i>IEI SFS LANDFARM LLC</i> <i>E.P.C. ENVIRONMENTAL</i>
3. Originating Site (name): <i>Basin Disposal</i>	Location of the Waste (Street address &/or ULSTR): <i>200 Montana Ave. C.R 5046</i> <i>Bloomfield N.M. 87413.</i>
Attach list of originating sites as appropriate	
4. Source and Description of Waste <i>Solidified soil from Sludge &amp; Tank Bottoms from Oil &amp; gas Locations in San Juan Area.</i>	

I, *Mike Martinez* representative for:  
(Print Name)

do hereby certify that,  
according to the Resource Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July,  
1988, regulatory determination, the above described waste is: (Check appropriate classification)

☒ EXEMPT oilfield waste      ☐ NON-EXEMPT oilfield waste which is non-hazardous by characteristic analysis or by product identification

and that nothing has been added to the exempt or non-exempt non-hazardous waste defined above.

For NON-EXEMPT waste the following documentation is attached (check appropriate items):

☐ MSDS Information      ☐ Other (description):  
☐ RCRA Hazardous Waste Analysis  
☐ Chain of Custody

This waste is in compliance with Regulated Levels of Naturally Occurring Radioactive Material (NORM) pursuant to 20 NMAC 3.1 subpart 1403.C and D.

Name (Original Signature): *Mike Martinez*

Title: *Assistant Plant Manager*

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Avenue, Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
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State of New Mexico  
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Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

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Revised March 17, 1999

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District Office

**REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE**

1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/> <input type="checkbox"/> Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	4. Generator Rim Southwest
	5. Originating Site: Navajo Tribal 34-42 SE/NE Sec. 34, T41S, R25E
2. Management Facility Destination JFJ Landfarm L.L.C.	6. Transporter: Lansing Construction
3. Address of Facility Operator: Industrial Ecosystems Inc. P.O. Box 2043 Farmington, N.M. 87499	8. State: Utah
7. Location of Material (Street Address or ULSTR) Space 420, County Rd 3100 Aztec N.M. 87410	
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:**

Petroleum Contaminated Soil



Estimated Volume 320 bbls Known Volume (to be entered by the operator at the end of the haul) 320 bbls

SIGNATURE James Hatcher TITLE: Manager DATE: 8/29/02  
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: James Hatcher TELEPHONE NO. 505-632-1782

(This space for State Use)

APPROVED BY: Denny Kent TITLE: Enviro/Engl DATE: 9/10/02

APPROVED BY: Art Hughes TITLE: geologist DATE: 9-10-2

# CERTIFICATE OF WASTE STATUS

1. Generator Name and Address: Rim Southwest P.O. Box 145 Farmington, NM 87499	2. Destination Name: TIERRA ENVIRONMENTAL LAND FARM  INDUSTRIAL ECOSYSTEMS INC JFS LANDFARM L.L.C.
3. Originating Site (name):  Navajo Tribal 34-42	Location of the Waste (Street address &/or ULSTR): SENE sec 34-T415-R25E
3. Source and Description of Waste Petroleum Contaminated Soil	

I, Charlie Saiz representative for: RIM SOUTHWEST CORPORATION do hereby certify that, according to the Resource Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July, 1998, regulatory determination, the above-described waste is: (Check appropriate classification)

☒ EXEMPT oilfield waste ☐ NON-EXEMPT oilfield waste which is non-hazardous by characteristic analysis or by product identification

and that nothing has been added to the exempt or non-exempt non-hazardous waste defined above.

For NON-EXEMPT waste only the following documentation is attached (check appropriate items):

☐ MSDS Information ☐ Other (description): Knowledge of Process.  
☐ RCRA Hazardous Waste Analysis  
☐ Chain of Custody

Name (Original Signature):

Title:

Date:

Charlie Saiz

Production Foreman

07-29-02

**Rim Southwest Corporation**  
5 Inverness Drive East  
Englewood, CO. 80112  
303.799.9828  
303.799.4259 Fax

Aug 6, 2002

The Navajo Nation  
Utah Land Office/NLD/DNR  
Post Office Box 9000  
Window Rock, Arizona 86515

Attention: Ms. Belinda Clark, ROW Agent II/Sup.

Dear Belinda:

This letter is to notify you that RIM Southwest will be removing approximately 5 cubic yard of petroleum contaminated soil from the Navajo Tribal 34-42 (Rockwell Springs) SE NE sec 34 T 41S R 25E location. *iina'ba'* will be doing the restoration. The Soil will be transported to Tierra Environmental Land Farm in Aztec New Mexico. If you have any questions do not hesitate to contact the undersigned. Thank you.

Sincerely,

*Kenneth J. Kundrik*  
Kenneth J. Kundrik  
Operations Engineer

COMPLETE THIS SECTION		COMPLETE THIS SECTION ON DELIVERY	
<input checked="" type="checkbox"/> Complete items 1, 2, and 3. Also, complete item 4 if Restricted Delivery is desired. <input checked="" type="checkbox"/> Print your name and address on the reverse so that we can return the card to you. <input checked="" type="checkbox"/> Attach this card to the back of the mailpiece, or on the front if space permits.		A. Received by (Please Print Clearly) <i>Joe Muckel</i>	B. Date of Delivery 8/8/02
1. Article Addressed to:  THE NAVAJO NATION UTAH LAND OFFICE/NLD/DNR ? OF BOX 9000 WINDOW ROCK, ARIZONA 86515		C. Signature <i>Joe Muckel</i> <input type="checkbox"/> Agent <input type="checkbox"/> Addressee	
		D. Is delivery address different from item 1? <input type="checkbox"/> Yes If YES, enter delivery address below: <input type="checkbox"/> No	
		3. Service Type <input type="checkbox"/> Certified Mail <input type="checkbox"/> Express Mail <input checked="" type="checkbox"/> Registered <input checked="" type="checkbox"/> Return Receipt for Merchandise <input type="checkbox"/> Insured Mail <input type="checkbox"/> C.O.D.	
		4. Restricted Delivery? (Extra Fee) <input type="checkbox"/> Yes	
Article Number (Copy from service label) 7001 1940 0001 9961 9810			

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

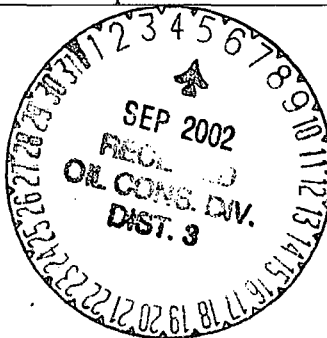
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District Office

**REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE**

1. RCRA Exempt: <input checked="" type="checkbox"/> Non-Exempt: <input type="checkbox"/> <input type="checkbox"/> Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	4. Generator Burlington Resources
2. Management Facility Destination JFJ Landfarm L.L.C.	5. Originating Site: McGrath SWD # 4
3. Address of Facility Operator: Industrial Ecosystems Inc. P.O. Box 2043 Farmington, N.M. 87499	6. Transporter: Triple S Trucking.
7. Location of Material (Street Address or ULSTR) Space 420, County Rd 3100 Aztec N.M. 87410	8. State: New Mexico
9. Circle One: <input checked="" type="radio"/> 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. <input type="radio"/> 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:  
BS&W Tank bottoms from mud pit



Estimated Volume 320 bbls \_\_\_\_\_ Known Volume (to be entered by the operator at the end of the haul) 320 bbls \_\_\_\_\_

SIGNATURE James Hatcher TITLE: \_\_\_\_\_ Manager \_\_\_\_\_ DATE: 8/19/02  
Waste Management Facility Authorized Agent  
TYPE OR PRINT NAME: James Hatcher TELEPHONE NO. 505-632-1782

(This space for State Use)

APPROVED BY: Deany Feint TITLE: Enviro/ Engr DATE: 9/10/02  
APPROVED BY: Paul Hupke TITLE: geologist DATE: 9-10-2





NEW MEXICO ENERGY, MINERALS  
& NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION  
AZTEC DISTRICT OFFICE  
1000 RIO BRAZOS ROAD  
AZTEC, NEW MEXICO 87410  
(505) 334-6178 FAX (505) 334-6171

GARY E. JOHNSON  
GOVERNOR

JENNIFER A. SALISBURY  
CABINET SECRETARY

## CERTIFICATE OF WASTE STATUS

<b>1. Generator Name and Address:</b> Burlington Resources 3401 East 30th Street Farmington, NM 87401	<b>2. Destination Name:</b> INDUSTRIAL ECOSYSTEMS INC. <del>THE</del> JFS LANDFARM LLC.
<b>3. Originating Site (name):</b> McGrath SWD #4	<b>Location of the Waste (Street address &amp;/or ULSTR):</b> McGrath SWD #4 Unit: SW Section: 34 Township: 30N Range: 12W
Attach list of originating sites as appropriate	
<b>4. Source and Description of Waste</b> BS&W Tank Bottoms out of mud pit.	

I, Terry Nelson representative for:  
(Print Name)  
Burlington Resources do hereby certify that,  
according to the Resource Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July,  
1988, regulatory determination, the above described waste is: (Check appropriate classification)

☒ EXEMPT oilfield waste ☐ NON-EXEMPT oilfield waste which is non-hazardous by characteristic  
analysis or by product identification

and that nothing has been added to the exempt or non-exempt non-hazardous waste defined above.

For NON-EXEMPT waste the following documentation is attached (check appropriate items):

☐ MSDS Information ☐ Other (description):  
☐ RCRA Hazardous Waste Analysis  
☐ Chain of Custody

This waste is in compliance with Regulated Levels of Naturally Occurring Radioactive Material (NORM) pursuant  
to 20 NMAC 3.1 subpart 1403.C and D.

Name (Original Signature):

Title: Production Specialist

Date: Monday, August 19, 2002

May 31 2002 10:13AM P2

FAX NO. :

FROM :

# Waste Manifest

Manifest Number: 847

Date: 8/19/2002

**Burlington Resources, San Juan Division**

3401 East 30 th Street

P.O. Box 4289

Farmington, NM 87499-4289

**Safety and Environmental Complete:****Waste Location:**

Mc Grath SWD #4

Unit: SW Section: 34 Township 30N Range: 12W

**Volume:**

0 Cubic Yards

320 Barrels

0 Gallons

Costs: \$14.00

**Description:**

BS&amp;W Tank Bottoms out of mud pit.

**Profile Number:** Tank Bottoms**Source:**

BS&amp;W Tank Bottoms out of mud pit.

**Disposal Location:**IEI  
JFS LANDFARM LLC.**Waste Determination**

I hereby certify, represent and warrant that the wastes are generated from oil and gas exploration and production operations exempt from Resource Conservation and Recovery Act (RCRA) Subtitle C Regulations.

I hereby certify, that according to the Resource Conservation and Recovery Act (RCRA) and Environmental Protection Agency's July, 1988, regulatory determination the above described waste is Non-Exempt oilfield waste which is non-hazardous by characteristic analysis or by product identification.

**Approval for Disposal:**

Signature:

Date: 8/20/02

Signature:

Date:

Title:

Title:

**BR Representative Complete:****Transportation Company:**

Triple S Trucking

**BR Representative on Site:**

Dates Transported: 8-20-02

Signature:

Date: 8/20/02

Complete and return to Burlington Safety and Environmental Department with Invoice:

**Disposal Facility Complete:**

Dates Received: 8-20-02

Volume Received: 320 bbls

Waste Location: Cell/Grid No. 6

Received By:

Comments: Disposal facility please return manifest to Burlington Resources, attention Gregg Wurtz

(505) 326-9537

3401 East 30 th Street  
Farmington, NM 87401

1. II  
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

Form C-138  
Revised March 17, 1999

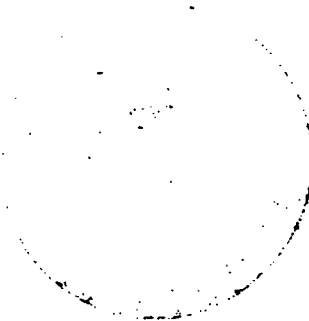
Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Submit Original  
Plus 1 Copy  
to Appropriate  
District Office

**REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE**

1. RCRA Exempt: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/> Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		4. Generator Red Cedar Gathering Company
2. Management Facility Destination JFJ Landfarm L.L.C.		5. Originating Site: Coyote Gulch Gas Treating Plant, sec. 17 of 32N, R11W
3. Address of Facility Operator: Industrial Ecosystems Inc. P.O. Box 2043 Farmington, N.M. 87499		6. Transporter: Flint Engineering
7. Location of Material (Street Address or ULSTR) Space 420 County Rd 3100 Aztec N.M. 87410		8. State: Colorado
9. Circle One: <input checked="" type="radio"/> 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. <input type="radio"/> 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:  
Compressor lube oil impacted soil and gravel



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

SIGNATURE James Hatcher TITLE: MANAGER DATE: 8/19/02  
Waste Management Facility Authorized Agent  
TYPE OR PRINT NAME: James Hatcher TELEPHONE NO. 505-632-1782

(This space for State Use)  
APPROVED BY: Denny Feint TITLE: Enviro/Engr DATE: 9/04/02  
APPROVED BY: Mark G. H. TITLE: Environmental Geologist DATE: 7/11/02

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
1301 W. Grand Avenue, Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
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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: <input type="checkbox"/> Non-Exempt: <input checked="" type="checkbox"/> <input type="checkbox"/> Verbal Approval Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	4. Generator Red Cedar Gathering Company
2. Management Facility Destination JFJ Landfarm L.L.C.	5. Originating Site: Coyote Gulch Gas Treating Plant, sec. 17 of 32N, R11W
3. Address of Facility Operator: Industrial Ecosystems Inc. P.O. Box 2043 Farmington, N.M. 87499	6. Transporter: Flint Engineering
7. Location of Material (Street Address or ULSTR) Space 420 County Rd 3100 Aztec N.M. 87410	8. State: Colorado
9. Circle One: <input checked="" type="radio"/> 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. <input type="radio"/> 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:  
Compressor lube oil impacted soil and gravel



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

SIGNATURE James Hatcher TITLE: MANAGER DATE: 8/19/02  
Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: James Hatcher TELEPHONE NO. 505-632-1782

(This space for State Use)

APPROVED BY: Denny Feut TITLE: Enviro/Engn DATE: 9/04/02  
APPROVED BY: \_\_\_\_\_ TITLE: \_\_\_\_\_ DATE: \_\_\_\_\_

# CERTIFICATE OF WASTE STATUS

1. Generator Name and Address: Red Cedar Gathering 26266 Highway 160 Durango, CO 81303	2. Destination Name and Address: Tierra Environmental Co., Inc., Land Farm 420 Road 3100 Aztec, NM 87410+
3. Originating Site (name): Coyote Gulch Natural Gas Treating Plant at Sec. 17 of T32N, R11W	
4. Source and Description of Waste: Lube Oil Impacted Soil - Approximately 100 yards <sup>3</sup> - July 2002	

I, Shawn A. Young, representative for Red Cedar Gathering do hereby certify that, according to the Resource Conservation and Recovery Act (RCRA) and the Environmental Protection Agency's July 1998 regulatory determination, the above-described waste is classified as indicated below:

- ☐ **EXEMPT** oilfield waste
- ☒ **NON-EXEMPT** oilfield waste which is non-hazardous by characteristic analysis or by product identification and that nothing has been added to the exempt or non-exempt non-hazardous waste defined above.

For NON-EXEMPT waste only, the following documentation is attached:

- ☒ MSDS Information
- ☐ Other (Description):
- ☒ RCRA Hazardous Waste Analysis
- ☐ Chain of Custody

Name (Original Signature):



Title: Safety & Environmental Manager

Date: July 17, 2002

**Certificate From Out Of State Agency Authorizing Removal Of RCRA  
Non-Exempt, Non-Toxic, Oilfield Waste From Their Jurisdiction To  
New Mexico**

I have reviewed the enclosed information concerning the Non-exempt, Non-toxic oilfield waste material from Red Cedar Gathering Company's Coyote Gulch Treating Plant at Section 17 of Township 32 North Range 11 West and agree that by its description it is non-hazardous as defined by the Resource Conservation and Recovery Act (RCRA) and my jurisdiction's rules, regulations or statutes.

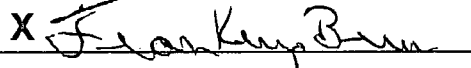
- The material is Non-exempt oilfield waste.
- The material is Non-hazardous by regulatory definition.

**THEREFORE:**

As a representative for the Southern Ute Indian Tribe I have no objection to the material being removed to New Mexico.

Name: Ms. Fran King-Brown

Title: Head of Environmental  
Programs Division

Signature: X 

Date: 7-31-02

Agency: Southern Ute Indian Tribe  
Address: P.O. Box 737, Ignacio, Colorado 81137  
Phone: (970) 563-0135

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.  
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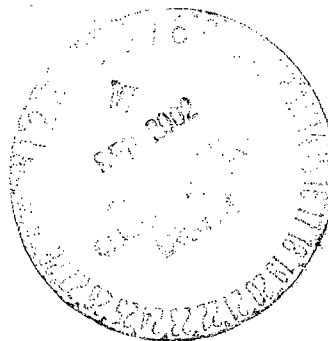
Copy For your  
File Denny!  
myk

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

SIGNATURE James Hatcher  
Waste Management Facility Authorized Agent

TITLE: MANAGER

DATE: 8/19/02

TYPE OR PRINT NAME: James Hatcher

TELEPHONE NO. 505-632-1782

(This space for State Use)

APPROVED BY: Denny Feint

TITLE: Enviro/Engnr

DATE: 9/04/02

APPROVED BY: Thayne G. H.

TITLE: Environmental Geologist

DATE: 7/11/02

091102-1

# CERTIFICATE OF WASTE STATUS

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4. Source and Description of Waste: Lube Oil Impacted Soil - Approximately 100 yards <sup>3</sup> - July 2002	

I, Shawn A. Young, representative for Red Cedar Gathering do hereby certify that, according to the Resource Conservation and Recovery Act (RCRA) and the Environmental Protection Agency's July 1998 regulatory determination, the above-described waste is classified as indicated below:

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- ☐ Other (Description):
- ☒ RCRA Hazardous Waste Analysis
- ☐ Chain of Custody

Name (Original Signature):



Title: Safety & Environmental Manager

Date: July 17, 2002



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Non-Exempt, Non-Toxic, Oilfield Waste From Their Jurisdiction To  
New Mexico**

I have reviewed the enclosed information concerning the Non-exempt, Non-toxic oilfield waste material from Red Cedar Gathering Company's Coyote Gulch Treating Plant at Section 17 of Township 32 North Range 11 West and agree that by its description it is non-hazardous as defined by the Resource Conservation and Recovery Act (RCRA) and my jurisdiction's rules, regulations or statutes.

- The material is Non-exempt oilfield waste.
- The material is Non-hazardous by regulatory definition.

**THEREFORE:**

As a representative for the Southern Ute Indian Tribe I have no objection to the material being removed to New Mexico.

Name:	Ms. Fran King-Brown	Title:	Head of Environmental Programs Division
Signature:	<u>X <i>Fran King Brown</i></u>	Date:	<u>7-31-02</u>
Agency:	Southern Ute Indian Tribe		
Address	P.O. Box 737, Ignacio, Colorado 81137		
Phone:	(970) 563-0135		

**Industrial Ecosystems Inc.**  
**P.O. Box 2043**  
**Farmington N.M. 87499**  
**(505) 632-1782 Office**  
**(505) 632-1876 Fax**  
**www.industrialecosystems.com**  
**AaronJMaurer@hotmail.com**

**“This is bioremediation at its best; fast, effective, and cost efficient”**

**FACSIMILE TRANSMITTAL SHEET**

**THE INFORMATION CONTAINED IN THIS FACSIMILE MESSAGE IS PRIVILEGED AND CONFIDENTIAL INFORMATION INTENDED FOR THE USE OF THE ADDRESSEE LISTED BELOW AND NO ONE ELSE. IF YOU ARE NOT THE INTENDED RECIPIENT OR THE EMPLOYEE OR AGENT RESPONSIBLE TO DELIVER THIS MESSAGE TO THE INTENDED RECIPIENT, PLEASE DO NOT USE THIS TRANSMISSION IN ANY WAY, BUT PLEASE CONTACT THE SENDER BY TELEPHONE.**

**To: Martine Kieling**

**Fax: (505) 476-3462**

**From: Aaron J. Maurer**

**Date: 9-9-2002**

**NUMBER OF PAGES (INCLUDING COVER SHEET): 11**

**Comments:**

**Requested MSDS information from Red Cedar Gathering in accordance with the C-138 form.**

**Thank you,**

**Aaron J. MAurer**

602466-00 MOBIL PEGASUS 805  
MATERIAL SAFETY DATA BULLETIN

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: MOBIL PEGASUS 805  
SUPPLIER: EXXONMOBIL OIL CORPORATION  
3225 GALLOWES RD.  
FAIRFAX, VA 22037  
24 - Hour Emergency (call collect): 609-737-4411  
Product and MSDS Information: 800-662-4525 856-224-4644  
CHEMTREC: 800-424-9300 202-483-7616

2. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAMES AND SYNONYMS: PET. HYDROCARBONS AND ADDITIVES  
INGREDIENTS CONSIDERED HAZARDOUS TO HEALTH:  
This product is not formulated to contain ingredients which have exposure limits established by U.S. agencies. It is not hazardous to health as defined by the European Union Dangerous Substances/Preparations Directives. See Section 15 for a regulatory analysis of the ingredients.  
See Section 15 for European Label Information.  
See Section 8 for exposure limits (if applicable).

3. HAZARDS IDENTIFICATION

US OSHA HAZARD COMMUNICATION STANDARD: Product assessed in accordance with OSHA 29 CFR 1910.1200 and determined not to be hazardous.  
EFFECTS OF OVEREXPOSURE: No significant effects expected.  
EMERGENCY RESPONSE DATA: Light Amber Liquid. DOT ERG No. : NA

4. FIRST AID MEASURES

EYE CONTACT: Flush thoroughly with water. If irritation occurs, call a physician.  
SKIN CONTACT: Wash contact areas with soap and water.  
INHALATION: Not expected to be a problem.  
INGESTION: Not expected to be a problem when ingested. If uncomfortable seek medical assistance.

5. FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA: Carbon dioxide, foam, dry chemical and water fog.  
SPECIAL FIRE FIGHTING PROCEDURES: Water or foam may cause frothing. Use water to keep fire exposed containers cool. Water spray may be used to flush spills away from exposure. Prevent runoff from

fire control or dilution from entering streams, sewers, or drinking water supply.

SPECIAL PROTECTIVE EQUIPMENT: For fires in enclosed areas, fire fighters must use self-contained breathing apparatus.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None. Flash Point C(F): > 245(473) (ASTM D-92). Flammable limits - LEL: NE, UEL: NE.

NFPA HAZARD ID: Health: 0, Flammability: 1, Reactivity: 0

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide. Possibly hydrocarbon fragments. Sulfur oxides and compounds.

## 6. ACCIDENTAL RELEASE MEASURES

NOTIFICATION PROCEDURES: Report spills as required to appropriate authorities. U. S. Coast Guard regulations require immediate reporting of spills that could reach any waterway including intermittent dry creeks. Report spill to Coast Guard toll free number (800) 424-8802. In case of accident or road spill notify CHEMTREC (800) 424-9300.

PROCEDURES IF MATERIAL IS RELEASED OR SPILLED: Adsorb on fire retardant treated sawdust, diatomaceous earth, etc. Shovel up and dispose of at an appropriate waste disposal facility in accordance with current applicable laws and regulations, and product characteristics at time of disposal.

ENVIRONMENTAL PRECAUTIONS: Prevent spills from entering storm sewers or drains and contact with soil.

PERSONAL PRECAUTIONS: See Section 8

## 7. HANDLING AND STORAGE

HANDLING: No special precautions are necessary beyond normal good hygiene practices. See Section 8 for additional personal protection advice when handling this product.

STORAGE: Do not store in open or unlabelled containers. Store away from strong oxidizing agents or combustible material.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

VENTILATION: No special requirements under ordinary conditions of use and with adequate ventilation.

RESPIRATORY PROTECTION: No special requirements under ordinary conditions of use and with adequate ventilation.

EYE PROTECTION: Normal industrial eye protection practices should be employed.

SKIN PROTECTION: No special equipment required. However, good personal hygiene practices should always be followed.

EXPOSURE LIMITS: This product does not contain any components which have recognized exposure limits. However, a exposure limit of 5.00 mg/m3 is suggested for oil mist.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Typical physical properties are given below. Consult Product Data Sheet for specific details.

APPEARANCE: Liquid

COLOR: Light Amber

ODOR: Marketable  
 ODOR THRESHOLD-ppm: NE  
 pH: NA  
 BOILING POINT C(F): NE  
 MELTING POINT C(F): NA  
 FLASH POINT C(F): > 245(473) (ASTM D-92)  
 FLAMMABILITY: NE  
 AUTO FLAMMABILITY: NE  
 EXPLOSIVE PROPERTIES: NA  
 OXIDIZING PROPERTIES: NA  
 VAPOR PRESSURE-mmHg 20 C: < 0.1  
 VAPOR DENSITY: > 2.0  
 EVAPORATION RATE: NE  
 RELATIVE DENSITY, 15/4 C: 0.89  
 SOLUBILITY IN WATER: Negligible  
 PARTITION COEFFICIENT: NE  
 VISCOSITY AT 40 C, cSt: 130.0  
 VISCOSITY AT 100 C, cSt: 13.5  
 POUR POINT C(F): < -12(10)  
 FREEZING POINT C(F): NE  
 VOLATILE ORGANIC COMPOUND: NE  
 NA=NOT APPLICABLE NE=NOT ESTABLISHED D=DECOMPOSES  
 FOR FURTHER TECHNICAL INFORMATION, CONTACT YOUR MARKETING REPRESENTATIVE

## 10. STABILITY AND REACTIVITY

STABILITY (THERMAL, LIGHT, ETC.): Stable.  
 CONDITIONS TO AVOID: Extreme heat.  
 INCOMPATIBILITY (MATERIALS TO AVOID): Strong oxidizers.  
 HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide. Possibly hydrocarbon fragments. Sulfur oxides and compounds.  
 HAZARDOUS POLYMERIZATION: Will not occur.

## 11. TOXICOLOGICAL DATA

### ---ACUTE TOXICOLOGY---

ORAL TOXICITY (RATS): Practically non-toxic (LD50: greater than 2000 mg/kg). ---Based on testing of similar products and/or the components.

DERMAL TOXICITY (RABBITS): Practically non-toxic (LD50: greater than 2000 mg/kg). ---Based on testing of similar products and/or the components.

INHALATION TOXICITY (RATS): Not applicable ---Harmful concentrations of mists and/or vapors are unlikely to be encountered through any customary or reasonably foreseeable handling, use, or misuse of this product.

EYE IRRITATION (RABBITS): Practically non-irritating. (Draize score: greater than 6 but 15 or less). ---Based on testing of similar products and/or the components.

SKIN IRRITATION (RABBITS): Practically non-irritating. (Primary Irritation Index: greater than 0.5 but less than 3). ---Based on testing of similar products and/or the components.

### ---SUBCHRONIC TOXICOLOGY (SUMMARY)---

Severely solvent refined and severely hydrotreated mineral base oils have been tested at Mobil Environmental and Health Sciences Laboratory by dermal application to rats 5 days/week for 90 days at doses significantly higher than those expected during normal industrial exposure. Extensive evaluations including microscopic examination of internal organs and clinical chemistry of body fluids, showed no adverse effects.

## ---CHRONIC TOXICOLOGY (SUMMARY)---

The base oils in this product are severely solvent refined and/or severely hydrotreated. Chronic mouse skin painting studies of severely treated oils showed no evidence of carcinogenic effects.

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**12. ECOLOGICAL INFORMATION**  
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ENVIRONMENTAL FATE AND EFFECTS: Not established.

-----  
**13. DISPOSAL CONSIDERATIONS**  
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WASTE DISPOSAL: Product is suitable for burning in an enclosed, controlled burner for fuel value or disposal by supervised incineration. Such burning may be limited pursuant to the Resource Conservation and Recovery Act. In addition, the product is suitable for processing by an approved recycling facility or can be disposed of at an appropriate government waste disposal facility. Use of these methods is subject to user compliance with applicable laws and regulations and consideration of product characteristics at time of disposal.

RCRA INFORMATION: The unused product, in our opinion, is not specifically listed by the EPA as a hazardous waste (40 CFR, Part 261D), nor is it formulated to contain materials which are listed hazardous wastes. It does not exhibit the hazardous characteristics of ignitability, corrosivity, or reactivity and is not formulated with contaminants as determined by the Toxicity Characteristic Leaching Procedure (TCLP). However, used product may be regulated.

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**14. TRANSPORT INFORMATION**  
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USA DOT: NOT REGULATED BY USA DOT.

RID/ADR: NOT REGULATED BY RID/ADR.

IMO: NOT REGULATED BY IMO.

IATA: NOT REGULATED BY IATA.

-----  
**15. REGULATORY INFORMATION**  
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Governmental Inventory Status: All components comply with TSCA, EINECS/ELINCS, AICS, and DSL.

EU Labeling:

Symbol: \* EU labeling not required..

Risk Phrase(s): R.

NA

Safety Phrase(s): Not applicable.

U.S. Superfund Amendments and Reauthorization Act (SARA) Title III:

This product contains no "EXTREMELY HAZARDOUS SUBSTANCES".

SARA (311/312) REPORTABLE HAZARD CATEGORIES: None.

This product contains no chemicals subject to the supplier notification requirements of SARA (313) toxic release program.

The following product ingredients are cited on the lists below:

CHEMICAL NAME	CAS NUMBER	LIST CITATIONS
XYLENES (0.03%)	1330-20-7	22
ZINC (ELEMENTAL ANALYSIS) (0.03%)	7440-66-6	22

PHOSPHORODITHOIC ACID, O,O-DI 68649-42-3 22  
 C1-14-ALKYL ESTERS, ZINC SALTS (2:  
 1) (ZDDP) (0.33%)

--- REGULATORY LISTS SEARCHED ---  
 1=ACGIH ALL 6=IARC 1 11=TSCA 4 16=CA P65 CARC 21=LA RTK  
 2=ACGIH A1 7=IARC 2A 12=TSCA 5a2 17=CA P65 REPRO 22=MI 293  
 3=ACGIH A2 8=IARC 2B 13=TSCA 5e 18=CA RTK 23=MN RTK  
 4=NTP CARC 9=OSHA CARC 14=TSCA 6 19=FL RTK 24=NJ RTK  
 5=NTP SUS 10=OSHA Z 15=TSCA 12b 20=IL RTK 25=PA RTK  
 26=RI RTK

Code key: CARC=Carcinogen; SUS=Suspected Carcinogen; REPRO=Reproductive

#### 16. OTHER INFORMATION

USE: ENGINE LUBRICANT

NOTE: PRODUCTS OF EXXON MOBIL CORPORATION AND ITS AFFILIATED COMPANIES  
 ARE NOT FORMULATED TO CONTAIN PCBS.

Please call the Customer Response Center on 800-662-4525 for formulation  
 disclosure.

\*\*\*\*\*  
 For Internal Use Only: MHC: 0\* 0\* NA 1\* 1\*, MPPEC: A, TRN: 602466-00,  
 ELIS: 400795, CMCS97: 97D936, REQ: US - MARKETING, SAFE USE: L  
 EHS Approval Date: 31DEC2000  
 \*\*\*\*\*

\*\*\*\*\*  
 Legally required information is given in accordance with applicable  
 Information given herein is offered in good faith as accurate, but  
 without guarantee. Conditions of use and suitability of the product for  
 particular uses are beyond our control; all risks of use of the product  
 are therefore assumed by the user and WE EXPRESSLY DISCLAIM ALL  
 WARRANTIES OF EVERY KIND AND NATURE, INCLUDING WARRANTIES OF  
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600163-00 MOBIL DTE OIL HEAVY MEDIUM  
MATERIAL SAFETY DATA BULLETIN

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: MOBIL DTE OIL HEAVY MEDIUM

SUPPLIER: EXXONMOBIL OIL CORPORATION

3225 GALLOWS RD.  
FAIRFAX, VA 22037

24 - Hour Health and Safety Emergency (call collect): 609-737-4411

24 - Hour Transportation Emergency (Primary) CHEMTREC: 800-424-9300  
(Secondary) 281-834-3296

Product and Technical Information: 800-662-4525 703-846-6693

MSDS Fax on Demand: 613 228 1467, other MSDS information: 856-224-4644

2. COMPOSITION/INFORMATION ON INGREDIENTS

CHEMICAL NAMES AND SYNONYMS: PET. HYDROCARBONS AND ADDITIVES

GLOBALLY REPORTABLE MSDS INGREDIENTS:

None.

See Section 8 for exposure limits (if applicable).

3. HAZARDS IDENTIFICATION

Under normal conditions of use, this product is not considered hazardous according to regulatory guidelines (See section 15).

EMERGENCY OVERVIEW: Amber Liquid. DOT ERG No. : NA

POTENTIAL HEALTH EFFECTS: Under normal conditions of intended use,

this product does not pose a risk to health. Excessive exposure

may result in eye, skin or respiratory irritation.

For further health effects/toxicological data, see Section 11.

4. FIRST AID MEASURES

EYE CONTACT: Flush thoroughly with water. If irritation occurs, call a physician.

SKIN CONTACT: Wash contact areas with soap and water. Remove and clean oil soaked clothing daily and wash affected area. (See Section 16 - Injection Injury)

INHALATION: Not expected to be a problem. However, if respiratory irritation, dizziness, nausea, or unconsciousness occurs due to excessive vapor or mist exposure, seek immediate medical assistance. If breathing has stopped, assist ventilation with a mechanical device or mouth-to-mouth resuscitation.

INGESTION: Not expected to be a problem. Seek medical attention if discomfort occurs. Do not induce vomiting.



## 5. FIRE-FIGHTING MEASURES

EXTINGUISHING MEDIA: Carbon dioxide, foam, dry chemical and water fog.

SPECIAL FIRE FIGHTING PROCEDURES: Water or foam may cause frothing.

Use water to keep fire exposed containers cool. Water spray may be used to flush spills away from exposure. Prevent runoff from fire control or dilution from entering streams, sewers, or drinking water supply.

SPECIAL PROTECTIVE EQUIPMENT: For fires in enclosed areas, fire fighters must use self-contained breathing apparatus.

UNUSUAL FIRE AND EXPLOSION HAZARDS: None.

COMBUSTION PRODUCTS: Fumes, smoke, carbon monoxide, sulfur oxides, aldehydes and other decomposition products, in the case of incomplete combustion.

Flash Point C(F): > 204(400) (ASTM D-93).

Flammable Limits (approx.% vol.in air) - LEL: 0.9%, UEL: 7.0%

NFPA HAZARD ID: Health: 0, Flammability: 1, Reactivity: 0

## 6. ACCIDENTAL RELEASE MEASURES

NOTIFICATION PROCEDURES: Report spills/releases as required to appropriate authorities. U.S. Coast Guard and EPA regulations require immediate reporting of spills/releases that could reach any waterway including intermittent dry creeks. Report spill/release to Coast Guard National Response Center toll free number (800)424-8802. In case of accident or road spill notify CHEMTREC (800) 424-9300.

PROCEDURES IF MATERIAL IS RELEASED OR SPILLED:

LAND SPILL: Shut off source taking normal safety precautions. Take measures to minimize the effects on ground water. Recover by pumping or contain spilled material with sand or other suitable absorbent and remove mechanically into containers. If necessary, dispose of adsorbed residues as directed in Section 13.

WATER SPILL: Confine the spill immediately with booms. Warn other ships in the vicinity. Notify port and other relevant authorities. Remove from the surface by skimming or with suitable absorbents. If permitted by regulatory authorities the use of suitable dispersants should be considered where recommended in local oil spill procedures.

ENVIRONMENTAL PRECAUTIONS: Prevent material from entering sewers, water sources or low lying areas; advise the relevant authorities if it has, or if it contaminates soil/vegetation.

PERSONAL PRECAUTIONS: See Section 8

## 7. HANDLING AND STORAGE

HANDLING: No special precautions are necessary beyond normal good hygiene practices. See Section 8 for additional personal protection advice when handling this product.

STORAGE: Keep containers closed when not in use. Do not store in open or unlabelled containers. Store away from strong oxidizing agents and combustible materials. Do not store near heat, sparks, flame or strong oxidants.

SPECIAL PRECAUTIONS: Prevent small spills and leakages to avoid slip

hazard.

EMPTY CONTAINER WARNING: Empty containers retain residue (liquid and/or vapor) and can be dangerous. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION; THEY MAY EXPLODE AND CAUSE INJURY OR DEATH. Do not attempt to refill or clean container since residue is difficult to remove. Empty drums should be completely drained, properly bunged and promptly returned to a drum reconditioner. All containers should be disposed of in an environmentally safe manner and in accordance with governmental regulations.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### OCCUPATIONAL EXPOSURE LIMITS:

When mists/aerosols can occur, the following are recommended: 5 mg/m3 (as oil mist)- ACGIH Threshold Limit Value (TLV), 10 mg/m3 (as oil mist) - ACGIH Short Term Exposure Limit (STEL), 5 mg/m3 (as oil mist)- OSHA Permissible Exposure Limit (PEL)

VENTILATION: If mists are generated, use adequate ventilation, local exhaust or enclosures to control below exposure limits.

RESPIRATORY PROTECTION: If mists are generated, and/or when ventilation is not adequate, wear approved respirator.

EYE PROTECTION: If eye contact is likely, safety glasses with side shields or chemical type goggles should be worn.

SKIN PROTECTION: Not normally required. When splashing or liquid contact can occur frequently, wear oil resistant gloves and/or other protective clothing. Good personal hygiene practices should always be followed.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Typical physical properties are given below. Consult Product Data Sheet for specific details.

APPEARANCE: Liquid

COLOR: Amber

ODOR: Mild

ODOR THRESHOLD-ppm: NE

pH: NA

BOILING POINT C(F): > 316(600)

MELTING POINT C(F): NA

FLASH POINT C(F): > 204(400) (ASTM D-93)

FLAMMABILITY (solids): NE

AUTO FLAMMABILITY: NA

EXPLOSIVE PROPERTIES: NA

OXIDIZING PROPERTIES: NA

VAPOR PRESSURE-mmHg 20 C: < 0.1

VAPOR DENSITY: > 2.0

EVAPORATION RATE: NE

RELATIVE DENSITY, 15/4 C: 0.875

SOLUBILITY IN WATER: Negligible

PARTITION COEFFICIENT: > 3.5

VISCOSITY AT 40 C, cSt: 68.0

VISCOSITY AT 100 C, cSt: 8.7

POUR POINT C(F): < -6(22)

FREEZING POINT C(F): NE

VOLATILE ORGANIC COMPOUND: NE

DMSO EXTRACT, IP-346 (WT.%): <3, for mineral oil only

NA=NOT APPLICABLE NE=NOT ESTABLISHED D=DECOMPOSES

FOR FURTHER TECHNICAL INFORMATION, CONTACT YOUR MARKETING REPRESENTATIVE

## 10. STABILITY AND REACTIVITY

STABILITY (THERMAL, LIGHT, ETC.): Stable.

CONDITIONS TO AVOID: Extreme heat and high energy sources of ignition.

INCOMPATIBILITY (MATERIALS TO AVOID): Strong oxidizers.

HAZARDOUS DECOMPOSITION PRODUCTS: Product does not decompose at ambient temperatures.

HAZARDOUS POLYMERIZATION: Will not occur.

## 11. TOXICOLOGICAL DATA

### ---ACUTE TOXICOLOGY---

ORAL TOXICITY (RATS): Practically non-toxic (LD50: greater than 2000 mg/kg). ---Based on testing of similar products and/or the components.

DERMAL TOXICITY (RABBITS): Practically non-toxic (LD50: greater than 2000 mg/kg). ---Based on testing of similar products and/or the components.

INHALATION TOXICITY (RATS): Practically non-toxic (LC50: greater than 5 mg/l). ---Based on testing of similar products and/or the components.

EYE IRRITATION (RABBITS): Practically non-irritating. (Draize score: greater than 6 but 15 or less). ---Based on testing of similar products and/or the components.

SKIN IRRITATION (RABBITS): Practically non-irritating. (Primary Irritation Index: greater than 0.5 but less than 3). ---Based on testing of similar products and/or the components.

OTHER ACUTE TOXICITY DATA: Although an acute inhalation study was not performed with this product, a variety of mineral and synthetic oils, such as those in this product, have been tested. These samples had virtually no effect other than a nonspecific inflammatory response in the lung to the aerosolized mineral oil. The presence of additives in other tested formulations (in approximately the same amounts as in the present formulation) did not alter the observed effects.

### ---SUBCHRONIC TOXICOLOGY (SUMMARY)---

No significant adverse effects were found in studies using repeated dermal applications of similar formulations to the skin of laboratory animals for 13 weeks at doses significantly higher than those expected during normal industrial exposure. The animals were evaluated extensively for effects of exposure (hematology, serum chemistry, urinalysis, organ weights, microscopic examination of tissues etc.).

### ---REPRODUCTIVE TOXICOLOGY (SUMMARY)---

No teratogenic effects would be expected from dermal exposure, based on laboratory developmental toxicity studies of major components in this formulation and/or materials of similar composition.

### ---CHRONIC TOXICOLOGY (SUMMARY)---

Repeated and/or prolonged exposure may cause irritation to the skin, eyes or respiratory tract. Overexposure to oil mist may result in oil droplet deposition and/or granuloma formation. For

mineral base oils: Base oils in this product are severely solvent refined and/or severely hydrotreated. Chronic mouse skin painting studies of severely treated oils showed no evidence of carcinogenic effects. These results are confirmed on a continuing basis using various screening methods such as Modified Ames Test, IP-346, and/or other analytical methods. For synthetic base oils: The base oils in this product have been tested in the Ames assay and other tests of mutagenicity with negative results. These base oils are not expected to be carcinogenic with chronic dermal exposures.

SENSITIZATION (SUMMARY)---

Not expected to be sensitizing based on tests of this product, components, or similar products.

## 12. ECOLOGICAL INFORMATION

### ENVIRONMENTAL FATE AND EFFECTS:

In the absence of specific environmental data for this product, this assessment is based on information for representative products. When released into the environment, adsorption to sediment and soil will be the predominant behavior. Available ecotoxicity data (LL50 >1000 mg/L) indicates that adverse effects to aquatic organisms are not expected from this product. Bioaccumulation is unlikely due to the very low water solubility of this product, therefore bioavailability to aquatic organisms is minimal. This product is expected to be inherently biodegradable.

## 13. DISPOSAL CONSIDERATIONS

**WASTE DISPOSAL:** Product is suitable for burning in an enclosed, controlled burner for fuel value. Such burning may be limited pursuant to the Resource Conservation and Recovery Act. In addition, the product is suitable for processing by an approved recycling facility or can be disposed of at an appropriate government waste disposal facility. Use of these methods is subject to user compliance with applicable laws and regulations and consideration of product characteristics at time of disposal.

**RCRA INFORMATION:** The unused product, in our opinion, is not specifically listed by the EPA as a hazardous waste (40 CFR, Part 261D), nor is it formulated to contain materials which are listed hazardous wastes. It does not exhibit the hazardous characteristics of ignitability, corrosivity, or reactivity. The unused product is not formulated with substances covered by the Toxicity Characteristic Leaching Procedure (TCLP). However, used product may be regulated.

## 14. TRANSPORT INFORMATION

USA DOT: NOT REGULATED BY USA DOT.  
 RID/ADR: NOT REGULATED BY RID/ADR.  
 IMO: NOT REGULATED BY IMO.  
 IATA: NOT REGULATED BY IATA.  
 STATIC ACCUMULATOR (50 picosiemens or less): YES

## 15. REGULATORY INFORMATION

US OSHA HAZARD COMMUNICATION STANDARD: When used for its intended purposes, this product is not classified as hazardous in accordance with OSHA 29 CFR 1910.1200.

EU Labeling: Product is not dangerous as defined by the European Union Dangerous Substances/Preparations Directives. EU labeling not required.

Governmental Inventory Status: All components comply with TSCA, EINECS/ELINCS, AICS, and DSL.

U.S. Superfund Amendments and Reauthorization Act (SARA) Title III:

This product contains no "EXTREMELY HAZARDOUS SUBSTANCES".

SARA (311/312) REPORTABLE HAZARD CATEGORIES: None.

This product contains no chemicals subject to the supplier notification requirements of SARA (313) toxic release program.

THIS PRODUCT HAS BEEN AUTHORIZED BY USDA FOR USE UNDER THE FOLLOWING CATEGORY: This product is acceptable as a lubricant where there is no possibility of food contact (complies with earlier USDA guidelines for H-2 lubricant use).

The following product ingredients are cited on the lists below:

CHEMICAL NAME	CAS NUMBER	LIST CITATIONS
TRICRESYL PHOSPHATE (>0.04%)	1330-78-5	22
ZINC (ELEMENTAL ANALYSIS) (<0.01%)	7440-66-6	22
PHOSPHORODITHOIC ACID, O,O-DI	68649-42-3	22
C1-14-ALKYL ESTERS, ZINC SALTS (2:1) (ZDDP) (0.09%)		

### --- REGULATORY LISTS SEARCHED ---

1=ACGIH ALL	6=IARC 1	11=TSOA 4	16=CA P65 CARC	21=LA RTK
2=ACGIH A1	7=IARC 2A	12=TSOA 5a2	17=CA P65 REPRO	22=MI 293
3=ACGIH A2	8=IARC 2B	13=TSOA 5e	18=CA RTK	23=MN RTK
4=NTP CARC	9=OSHA CARC	14=TSOA 6	19=FL RTK	24=NJ RTK
5=NTP SUS	10=OSHA Z	15=TSOA 12b	20=IL RTK	25=PA RTK
				26=RI RTK

Code key: CARC=Carcinogen; SUS=Suspected Carcinogen; REPRO=Reproductive

## 16. OTHER INFORMATION

USE: STEAM TURBINE OIL

NOTE: PRODUCTS OF EXXON MOBIL CORPORATION AND ITS AFFILIATED COMPANIES ARE NOT FORMULATED TO CONTAIN PCBs.

Health studies have shown that many hydrocarbons pose potential human health risks which may vary from person to person. Information provided on this MSDS reflects intended use. This product should not be used for other applications. In any case, the following advice should be considered:

**INJECTION INJURY WARNING:** If product is injected into or under the skin, or into any part of the body, regardless of the appearance of the wound or its size, the individual should be evaluated immediately by a physician as a surgical emergency. Even though initial symptoms from high pressure injection may be minimal or absent, early surgical treatment within the first few hours may significantly reduce the ultimate extent of injury.

INDUSTRIAL LABEL

Under normal conditions of intended use, this product does not pose a risk to health. Excessive exposure may result in eye, skin or respiratory irritation. Always observe good hygiene measures. First Aid: Wash skin with soap and water. Flush eyes with water. If overcome by fumes or vapor, remove to fresh air. If ingested do not induce vomiting. If symptoms persist seek medical assistance. Read and understand the MSDS before using this product.

\*\*\*\*\*  
 For Internal Use Only: MHC: 1\* 1\* 1\* 1\* 1\*, MPPEC: A, TRN: 600163-00,  
 ELIS: 400304, CMCS97: 970172, REQ: US - MARKETING, SAFE USE: I,  
 EHS Approval Date: 21AUG2001  
 \*\*\*\*\*

\*\*\*\*\*  
 Legally required information is given in accordance with applicable  
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**(505) 632-1876 Fax**  
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**FACSIMILE TRANSMITTAL SHEET**

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To: Martine Kieling

Fax: (505) 476-3462

From: Aaron J. Maurer

Date: ~~9-9-2002~~  
9-11-2002

NUMBER OF PAGES (INCLUDING COVER SHEET): ~~X~~ 5

Comments:

Requested MSDS information from Red Cedar Gathering in accordance with the C-138 form.

Thank you,

Aaron J. MAurer

Inter-Mountain Laboratories, Inc.

2506 West Main Street  
Farmington, NM 87401

Client: Red Cedar Gathering  
Project: Antler Coyote Gulch  
Sample ID: 052902 - CG 501C  
Lab ID: 0302W 2310  
Matrix: Water  
Condition: Cool/Intact

Date Reported: 06/28/02  
Date Sampled: 05/29/02  
Date Received: 05/29/02  
Date Extracted: N/A

Parameter	Analytical Result	PQL	Units
DRO - Method 8015M Diesel Range Organics (C10 - C22)	18,000	50	mg/Kg
Quality Control - Surrogate Recovery	%	QC Limits	
o-Terphenyl(SUR-8013)	102	70 - 130	

Reference: Method 8015AZ, C10 - C32 Hydrocarbons in Soil, Arizona Department of Health Services, Revision - 1.0, 09/25/98.  
SW-846 - "Test Methods for Evaluating Solid Waste: Physical/Chemical Methods", United States Environmental Protection Agency, November, 1988.

Reviewed By: 

Analyst: \_\_\_\_\_



Inter-Mountain Laboratories, Inc.

2606 West Main Street  
Farmington, NM 87401

Client: Red Cedar Gathering  
Project: Antler Coyote Gulch  
Sample ID: 062902 - CG Soil  
Lab ID: 0302W02310  
Matrix: Water  
Condition: Cool/Inject

Date Reported: 06/26/02  
Date Sampled: 05/29/02  
Date Received: 05/29/02  
Date Extracted: N/A

Parameter	Analytical Result	PQL	Units
<b>BTEX - Method 8021B</b>			
Benzene	<5	5	mg/Kg
Toluene	9	5	mg/Kg
Ethylbenzene	<5	5	mg/Kg
Xylenes (total)	<15	15	mg/Kg
<b>Quality Control - Surrogate Recovery</b>			
	%	QC Limits	
4-Bromofluorobenzene (SUR-8021B)	101	70 - 130	

Reference: Method 8021b, Volatile Organic Compounds, Test Methods for Evaluating  
Solid Waste, Physical/Chemical Methods, United States Environmental  
Protection Agency, SW-846, Volume 1B.

Reviewed By: 

Analyst: \_\_\_\_\_

**Inter Mountain Laboratories, Inc.**

2506 West Main Street  
Farmington, NM 87401

**Client:** Red Cedar Gathering  
**Project:** Antler / Coyote Gulch  
**Sample ID:** 052902 - CG 50a  
**Lab ID:** 0302W 2310  
**Matrix:** Water  
**Condition:** Cool/Intact

**Date Reported:** 06/28/02  
**Date Sampled:** 05/29/02  
**Date Received:** 05/29/02  
**Date Extracted:** N/A  
**Date Analyzed:** 05/30/02

Parameter	Analytical Result	PQL	Units
RCI			
Corrosivity -pH	8.7		s.u.
Flash Point	>140		°F
Reactivity - HCN	<10	10	mg/Kg
Reactivity-H <sub>2</sub> S	<100	100	mg/Kg

Reference: SW-846 - "Test Methods for Evaluating Solid Waste: Physical/Chemical Methods", United States Environmental Protection Agency, November, 1988.  
SW-846 - "Test Methods for Evaluating Solid Waste: Physical/Chemical Methods", United States Environmental Protection Agency, Final Update 7, July 1992.

Reviewed By: 

Analyst: \_\_\_\_\_

**Inter-Mountain Laboratories, Inc.**

2506 West Main Street  
Farmington, NM 87401

**Client:** Red Cedar Gathering  
**Project:** Antler / Coyote Gulch  
**Sample ID:** 052802 - CG-501  
**Lab ID:** 0302W-2310  
**Matrix:** Water  
**Condition:** Cool/Intact

**Date Reported:** 06/28/02  
**Date Sampled:** 05/29/02  
**Date Received:** 05/29/02  
**Date Extracted:** N/A  
**Date Analyzed:** 08/10/02

Parameter	Analytical Result	PQL	Units
<b>TOTAL METALS - Method 3050</b>			
Arsenic	<8	6	mg/Kg
Barium	222	1	mg/Kg
Cadmium	0.7	0.5	mg/Kg
Chromium	8	1	mg/Kg
Lead	10	5	mg/Kg
Mercury	<0.05	0.05	mg/Kg
Selenium	<4	4	mg/Kg
Silver	<2	2	mg/Kg

Reference: SW-846 - "Test Methods for Evaluating Solid Waste: Physical/Chemical Methods", United States Environmental Protection Agency, November, 1988.  
SW-846 - "Test Methods for Evaluating Solid Waste: Physical/Chemical Methods", United States Environmental Protection Agency, Final Update 1, July 1992.

Reviewed By: 

Analyst: \_\_\_\_\_

## Inter-Mountain Laboratories, Inc.

2506 West Main Street  
Farmington, NM 87401

Client: Red Cedar Gathering  
Project: Antler / Coyote Gulch  
Sample ID: 052902 - C-5-112  
Lab ID: 0302W02310  
Matrix: Water  
Condition: Cool/Intact

Date Reported: 07/16/02  
Date Sampled: 05/29/02  
Date Received: 05/29/02  
Date Analyzed: 07/09/02

Parameter	Analytical Result	PQL	MCL	Units
Method 1311 - TCLP Metals				
Barium	1.0	0.5	100	mg/L
Chromium	<0.02	0.02	5.0	mg/L
Lead	<0.1	0.1	5.0	mg/L

Reference: SW-846 - "Test Methods for Evaluating Solid Waste: Physical/Chemical Methods", United States Environmental Protection Agency, November, 1986.

Reviewed By: 