

# **AE Order Number Banner**

#### **Report Description**

This report shows an AE Order Number in Barcode format for purposes of scanning. The Barcode format is Code 39.



**App Number:** pEEM0311232278

NM1 - 10

JFJ LANDFARM LLC

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

## State of New Mexico Energy Minerals and Natural Resources

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

Form C-138 Revised March 17, 1999

Submit Original Plus 1 Copy to Appropriate District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE				
1. RCRA Exempt: Non-Exempt:	4. Generator . S & G Interest			
Verbal Approval Received: Yes ☐ No ☒	5. Originating Site Navajo TI F #128 Navajo TI F # 101			
Management Facility Destination	C. 6. Transporter: Riley Industrial			
3. Address of Facility Operator: Industrial Ecosystems Inc. P.O. Bo Farmington, N.M. 87499	x 2043  8. State: NM			
7. Location of Material (Street Address or ULSTR) NM, Sec 4, T31, R17W	T. S.			
A. All requests for approval to accept oilfield exempt wastes will be one certificate per job.  B. All requests for approval to accept non-exempt wastes must be as material is not-hazardous and the Generator's certification of orig approved  All transporters must certify the wastes delivered are only those cor BRIEF DESCRIPTION OF MATERIAL:  Cement waste and fluid sediments from plugging operations	ecompanied by necessary chemical analysis to PROVE the gin. No waste classified hazardous by listing or testing will be			
Estimated Volume 60 bbls Known Volume (to be entered by the	e operator at the end of the haul)			
SIGNATURE Waste Management Facility Authorized Agent  TITLE:	Manager DATE: <u>3/04/04</u>			
TYPE OR PRINT NAME: AJ Blair TELEI	PHONE NO. (505) 632-1782			
(This space for State Use)				
APPROVED BY: TITLE:	DATE:			
APPROVED BY: TITLE:	DATE:			



# 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**

	Generator Name and Address	2. Destination Name:
	Hart Oil and Gas Inc.	J.F.J. Landfarm
9	P.O. Box 307	c/o Industrial Ecosystems Inc.
	Farmington, NM 87499	420 CR 3100 Aztec, NM 87410
	3. Originating Site (name):	ocation of the Waste (Street address &/or ULSTR):
		17W, San Juan County, NM 17W, San Juan County, NM
	attach list of originating sites as appropriate	S RIAR 200
	Source and Description of Waste     Cement waste and fluid sediments from plugging operation	ons.
ļ		ALE DE 82 82 30 310
and Rec (Check X F	EXEMPT oilfield waste  NON-EXEM analysis or by a nothing has been added to the exempt or non-exempt non -haz	IPT oilfield waste which is non-hazardous by characteristic product identification cardous waste defined above.
For <b>NO</b>	N-EXEMPT waste the following documentation is attached (cl_MSDS InformationOth_RCRA Hazardous Waste AnalysisChain of Custody	heck appropriate items): ner (description
This wa	aste is in compliance with Regulated Levels of Naturally Occ 3.1 subpart 1403.C and D.	curring Radioactive Material (NORM) pursuant to 20
Name (	Original Signature): The Last	
Title:	V.P. Operations	
Date:	03/04/04	
	Oil Conservation District * 1000 D'	D

1025 N, French Dr., Hobbs, NM 88240

District II

Energy Minerals and Natural Resources
1301 W. Grand Avenue, Artesia, NM 88210

Form C-138 Revised March 17, 1999

> Submit Original Plus 1 Copy to Appropriate District Office

District III
1000 Rio Brazos Road, Aztec, NM 87410

District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505 CNSERVATION Santa Fe, NM 87505

REQUEST FOR APPROVAL TO ACCEP	T SOLID WASTE			
1. RCRA Exempt: ☐ Non-Exempt: ☒	4. Generator . Universal Compression			
Verbal Approval Received: Yes No	Originating Site     3440 Morningstar Drive – Farmington NM			
2. Management Facility Destination: JFJ Landfarm L.L.C.	6. Transporter: Industrial Ecosystems Inc			
3. Address of Facility Operator: Industrial Ecosystems Inc. P.O. Box 2043 Farmington, N.M. 87499	8. State: NM			
7. Location of Material (Street Address or ULSTR) 3440 Morningstar Drive - Farmington NM 87401				
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:  Pit sludge				
Estimated Volume (SBE) Known Volume (to be entered by the operator at the end of	the haul)			
SIGNATURE Waste Management Facility Authorized Agent  TYPE OR PRINT NAME: James Hatcher TELEPHONE NO. (5				
APPROVED BY: Derry Letty TITLE: Environ	Evgr Date: 10/28/04			

11. 15% Me Land 1885 15

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 A	APPROVAL	TO ACCEPT	SOLID WA	STE

REQUEST FOR ATTROVAL TO ACCE.	I SOLID WASTE
1. RCRA Exempt: □ Non-Exempt: ⊠	Generator .     Universal Compression
Verbal Approval Received: Yes No No NGF 1978/04	5. Originating Site 3440 Morningstar Drive – Farmington NM
2. Management Facility Destination: JFJ Landfarm L.L.C.	6. Transporter: Industrial Ecosystems Inc
3. Address of Facility Operator: Industrial Ecosystems Inc. P.O. Box 2043 Farmington, N.M. 87499	8. State: NM
7. Location of Material (Street Address or ULSTR) 3440 Morningstar Drive – Farmington NM 87401	
9. Circle One:  A. All requests for approval to accept oilfield exempt wastes will be accompanied by one certificate per job.  B. All requests for approval to accept non-exempt wastes must be accompanied by ne material is not-hazardous and the Generator's certification of origin. No waste class approved  All transporters must certify the wastes delivered are only those consigned for transporters because the constant of the con	ecessary chemical analysis to PROVE the ssified hazardous by listing or testing will be
Pit sludge  Estimated Volume (5 BBC Known Volume (to be entered by the operator at the end of the control of th	the haul)
SIGNATURE	
APPROVED BY: Derny Tony TITLE: Environt	DATE: 10/28/04  DATE:

# Hall Environmental Analysis Laboratory

Industrial Ecosystems

Client Sample ID: Pit Sludge

CLIENT: Lab Order:

0410120

Project:

0410120-01

Collection Date: 9/30/2004 12:30:00 PM

Date: 27-Oct-04

Lab ID:

Universal Compression

Matrix: SOIL

Lab in: 0410120-01					
Analyses	Result	PQL	Qual Units	DF	Date Analyzed
VOLATILES, TCLP LEACHED					Analyst: BDH
Bonzene	ND	0.50	mg/L	1	10/15/2004
2-Butanone	ND	200	mg/L	1	10/15/2004
Carbon Tetrachloride	ND	0.50	mg/L	1	10/15/2004
Chlorobenzene	ND	100	mg/L	1	10/15/2004
Chloroform	ND	6.0	mg/L	1	10/15/2004
1,4-Dichlorobenzene	ND	7.5	mg/L	1	10/15/2004
1,2-Dichloroethane (EDC)	ND	0.50	mg/L	1	10/15/2004
1,1-Dichloroethene	ND	0.70	mg/L	1	10/15/2004
Hexachlorobutadiene	ND	0.50	mg/L	1	10/15/2004
Tetrachloroethene (PCE)	ND	0.70	mg/L	1	10/15/2004
Trichloroethene (TCE)	ND	0.50	mg/L	1	10/15/2004
Vinyl chloride	ND	0.20	mg/L	1	10/15/2004
Surr. 1,2-Dichloroethane-d4	103	70-130	%REC	1	10/15/2004
Surr: 4-Bromofluorobenzene	100	70-130	%REC	1	10/15/2004
Surr: Dibromofluoromethane	102	70-130	%REC	1	10/15/2004
Surr. Toluene-d8	102	70-130	%REC	1	10/15/2004
PA METHOD 8270C TCLP					Analyst: GAB
2,4-Dinitrotoluene	ND	0.13	mg/L	1	10/25/2004
Hexachlorobenzene	ND	0,13	mg/L	1	10/25/2004
Hexachlorobutadiene	ND	0.50	mg/L	1	10/25/2004
Hexachloroethane	ND	3.0	mg/L	1	10/25/2004
Nitrobenzene	ND	2.0	mg/L	1	10/25/2004
Pentachlorophenol	ND	100	mg/L	1	10/25/2004
Pyridine	ND	5.0	mg/L	1	10/25/2004
2,4,5-Trichlorophenol	ND	400	mg/L	1	10/25/2004
2,4,6-Trichlorophenol	ND	2.0	mg/L	1	10/25/2004
Cresols, Total	ND	200	mg/L	1	10/25/2004
Surr: 2,4,6-Tribromophenol	122	20,9-128	%REC	1	10/25/2004
Surr: 2-Fluorobiphenyl	105	18.3-119	%REC	1	10/25/2004
Surr. 2-Fluorophenol	92.4	16.6-101	%REC	1	10/25/2004
Sunt 4-Terphenyl-d14	117	32.3-135	%REC	1	10/25/2004
Surr: Nitrobenzene-d5	105	22.6-117	%REC	1	10/25/2004
Surr. Phenol-d6	72.3	8-77.9	%REC	1	10/25/2004
MERCURY, TCLP LEACHED					Analyst: CMC
Mercury	ND	0.020	mg/L	1	10/19/2004
EPA METHOD 6010C: TCLP METALS					Analyst: NMO
Arsonic	ND	5.0	mg/L	1	10/20/2004 9:14:58 AM
Barium	ND	100	mg/L	1	10/20/2004 9:14:58 AM
Cadmium	ND	1.0	mg/L	1	10/20/2004 9:14:58 AM

Qualifiers:

ND - Not Det - tet t t Reprti - Lin it

B - Analyte detected in the associated Method Blank

<sup>\* -</sup> Value exceeds Maximum Contaminant Level

Spec: Re. very outsid accept the weightimits

Ri- ourside cept : pvei lie's

E - Value above quantitation range

# Hall Environmental Analysis Laboratory

Date: 27-Oct-04

CLIENT:

Industrial Ecosystems

Lab Order:

0410120

Project:

Universal Compression

Lab ID:

0410120-01

Client Sample ID: Pit Sludge

Collection Date: 9/30/2004 12:30:00 PM

Matrix: SOIL

Result	PQL	Qual	Units	DF	Date Analyzed
ND	5.0		mg/L	1	10/20/2004 9:14:58 AM
ND	5.0		mg/L	1	10/20/2004 9:14:58 AM
NÓ	1.0		mg/L	1	10/20/2004 9:14:58 AM
ND	5.0		mg/L	1	10/20/2004 9:14:58 AM
	Result ND ND ND	Result         PQL           ND         5.0           ND         5.0           ND         1.0	Result         PQL         Qual           ND         5.0           ND         5.0           ND         1.0	Result         PQL         Qual         Units           ND         5.0         mg/L           ND         5.0         mg/L           ND         1.0         mg/L	Result         PQL         Qual         Units         DF           ND         5.0         mg/L         1           ND         5.0         mg/L         1           ND         1.0         mg/L         1

I RI ourside cept : over lie 's

E - Value above quantitation range



# NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

Bill Richardson Governor Joanne Prukop Cablnet Secretary Lori Wrotenbery Director Oil Conservation Division

## CERTIFICATE OF WASTE STATUS

Generator Name and Address	2. Destination Name:
Universal Compression	J.F.J. Landfarm
3440 Morningstar Drive	C/O Industrial Ecosystems Inc.
Farmington NM 87401	#81 CR 3250 Aztec, NM 87410
3. Originating Site (name):	Location of the Waste (Street address &/or ULSTR):
3440 Morningstar Drive	3440 MOTNINGSTAT Drive
Farmington NM 87401	3440 MorningSTAT Drive_ FARMINGTON, NM 87401
	, , , , , , , , , , , , , , , , , , , ,
4. Source and Description of Waste	
Pit sludge	
1 Douglas N. Clar	representative for : reby certify that, according to the Resource Conservation and Recovery Act (RCRA)
Print Name	
Universal Compression do her	reby certify that, according to the Resource Conservation and Recovery Act (RCRA)
and Environmental Protection Agency's July 198	8, regulatory determination, the above described waste is: (Check appropriate
classification)	s, regulately determination, the above described waste is. (Check appropriate
Classification	
EXEMPT oilfield waste	NON-EXEMPT oilfield waste which is non-hazardous by
characteristic	The state of the s
and a simple make a set of an	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 docume	
MSDS Information	Other (description
RCRA Hazardous Waste Analysis	
Chain of Custody	
This waste is in counting to with Davidstad I a	All of Manually Countries to all on the Manually Countries and the Countries of the Countri
This waste is in compliance with Regulated Lev NMAC 3.1 subpart 1403.C and D.	els of Naturally Occurring Radioactive Material (NORM) pursuant to 20
7) 4	
Name (Original Signature): Name (Original Signature)	Chaper
a ma l	
Title Xead Menhanic	
Date: 10-28-04	



# NEW L XICO ENERGY, MILERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON

Governor

Joanna Prukop Cabinet Secretary January 24, 2005

Mark E. Fesmire, P.E.

Director

Oil Conservation Division

Mr. Timothy Kinney Giant Industries Arizona, Inc. 5764 Highway 64 Farmington, NM 87401

Re:

\$25,000 Waste Management Facility Bond

Waste Management Facility Permit # NM-02-0010

Giant Mid-Continent, Inc.

St. Paul Fire and Marine Insurance Co.

NW/4 SE/4 of Section 16, Township 25 North, Range 12 West, NMPM,

San Juan County, New Mexico

Bond # TD8184

Dear Mr. Kinney:

The New Mexico Oil Conservation Division hereby approves the above-referenced Waste Management Facility Bond.

Sincerely,

David K. Brooks

Assistant General Counsel

David K. Brothe

DKB:eem

Enclosure: Copy of bond

cc: Aztec OCD Office

# **Energy, Minerals and Natural Resources Department Oil Conservation Division**

Surety Bond For Waste Management Facilities

(File with Oil Conservation Division, 1220 S. Saint Francis, Santa Fe, New Mexico 87505)

OCT 1 2 2004

OIL CONSERVATION DIVISION BOND NO. <u>TD8184</u> (For Surety Company Use)

#### KNOW ALL MEN BY THESE PRESENTS:

That Giant Mid-Continent, Inc., (an individual, partnership, or a corporation organized in the State of Arizona, with its principal office in the City of Scottsdale, State of Arizona, and authorized to do business in the State of New Mexico), as PRINCIPAL, and St. Paul Fire and Marine Insurance Company, a corporation organized and existing under the laws of the State of Minnesota and authorized to do business in the State of New Mexico as SURETY, are held firmly bound unto the State of New Mexico, for the use and benefit of the Oil Conservation Division of the Energy, Minerals and Natural Resources Department (the "Division") pursuant to NMSA 1978, Section 70-2-12 as amended, in the sum of Twenty Five Thousand and no/100ths (\$25,000.00) Dollars for the payment of which PRINCIPAL and SURETY hereby bind themselves, their successors and assigns, jointly and severally.

The conditions of this obligation are such that:

WHEREAS, the above PRINCIPAL has heretofore or may hereafter enter into the collection, disposal, evaporation, remediation, reclamation, treatment or storage of produced water, drilling fluids, drill cuttings, completion fluids, contaminated soils, BS&W, tank bottoms, waste oil and/or other oil field related waste in Section16, Township 25N, Range12W, NMPM, San Juan County, New Mexico.

NOW, THEREFORE, this \$25,000.00 performance bond is conditioned upon substantial compliance with all applicable statutes of the State of New Mexico and all rules and orders of the Oil Conservation Commission and the Division. Upon clean-up of the facility site to standards of the Division, the Division will release this bond; otherwise, the principal amount of the bond is to be forfeited to the State of New Mexico.

Signed and sealed this 28th day of September, 2004.

EFFECTIVE DATE: November 21, 2004

Giant Mid-Continent, Inc. PRINCIPAL

23733 N. Scottsdale Road, Scottsdale, AZ 85255

Mailing Address,

Signature

Title

Note: If Principal is a corporation, affix corporate seal here.

St. Paul Fire and Marine Insurance Company SURETY

2401 W. Peoria Avenue #104, Phoenix, AZ 85029

Mailing Address

David G. Jensen Attorney-in-Fac

Note: If corporate surety, affix corporate seal here.

ACKNOWLEDGMENT FORM I	FOR NATURAL PERSONS
STATE OF)  SS.  COUNTY OF  The foregoing instrument was acknowledged before to	me this, <u>2</u> , by
The foregoing instrument was acknowledged before i	the this day of, 2, by
My commission expires:	
Date	Notary Public
ACKNOWLEDGMENT FORM FOR A CORPORATE PARTNERS	
STATE OF WYONG  COUNTY OF MANCOCC  The foregoing instrument was acknowledged before recommendation of the continuous cont	ne this 6th day of 0000, 2004, by
My commission expires:  Nov. 1, 2005  Date  Acque Cumbic	OFFICIAL SEAL JACQUE CUMBIE NOTARY PUBLIC - STATE OF ARIZON, MARICOPA COUNTY My Commission Expires Nov. 1, 2005

### STATE OF ARIZONA COUNTY OF MARICOPA

On this 28th day of September, 2004, before me, Maryann Carafello, a Notary Public in and for said Maricopa County, State aforesaid, residing therein, duly commissioned and sworn, personally appeared David G. Jensen know to me to be the person whose name is subscribed to the within instrument as the attorney in fact of St. Paul Fire and Marine Insurance Company, thereto as surety, and his own as attorney-in-fact.

In witness whereof, I have hereunto set my hand and affixed my official seal.

My Commission Expires: 12-31-07



# The St Paul

#### POWER OF ATTORNEY

Seaboard Surety Company
St. Paul Fire and Marine Insurance Company
St. Paul Guardian Insurance Company
St. Paul Mercury Insurance Company

United States Fidelity and Guaranty Company Fidelity and Guaranty Insurance Company Fidelity and Guaranty Insurance Underwriters, Inc.

Power of Attorney No. 22843

Certificate No. 1534922

KNOW ALL MEN BY THESE PRESENTS: That Seaboard Surety Company is a corporation duly organized under the laws of the State of New York, and that St. Paul Fire and Marine Insurance Company, St. Paul Guardian Insurance Company and St. Paul Mercury Insurance Company are corporations duly organized under the laws of the State of Minnesota, and that United States Fidelity and Guaranty Company is a corporation duly organized under the laws of the State of Maryland, and that Fidelity and Guaranty Insurance Company is a corporation duly organized under the laws of the State of Iowa, and that Fidelity and Guaranty Insurance Underwriters, Inc. is a corporation duly organized under the laws of the State of Wisconsin (herein collectively called the "Companies"), and that the Companies do hereby make, constitute and appoint

Maryann Carafello, Michael C. Metzger, Thomas O. Wilder, Terry Crull, David G. Jensen and Brandy L. Baich

of the City of Phoenix , State Arizona , their true and lawful Attorney(s)-in	
each in their separate capacity if more than one is named above, to sign its name as surety to, and to execute, seal and acknowledge any and all bonds, undertain	
contracts and other written instruments in the nature thereof on behalf of the Companies in their business of guaranteeing the fidelity of persons, guaranteeing	ing the
performance of contracts and executing or guaranteeing bonds and undertakings required or permitted in any actions or proceedings allowed by law.	
IN WITNESS WHEREOF, the Companies have caused this instrument to be signed and sealed this 21st day of February ,2003	3
Seaboard Surety Company United States Fidelity and Guaranty Company	
St. Paul Fire and Marine Insurance Company Fidelity and Guaranty Insurance Company	
St. Paul Guardian Insurance Company Fidelity and Guaranty Insurance Underwriters, Inc.	
St. Paul Mercury Insurance Company	
SOUTH AND SOUTH	
1927 SEAL SEAL SEAL SEAL SEAL SEAL SEAL SEAL	residen
	A
Thomas E. Hubest	
State of Maryland	_
City of Baltimore THOMAS E. HUIBREGTSE, Assistant Sec	cratary
City of Datemore	ciciaiy
On this 21st day of February , 2003 , before me, the undersigned officer, personally appeared Peter W. Carma	an and
Thomas E. Huibregtse, who acknowledged themselves to be the Vice President and Assistant Secretary, respectively, of Seaboard Surety Company, St. Paul Fig.	
Marine Insurance Company, St. Paul Guardian Insurance Company, St. Paul Mercury Insurance Company, United States Fidelity and Guaranty Company, Fideli	
Guaranty Insurance Company, and Fidelity and Guaranty Insurance Underwriters, Inc.; and that the seals affixed to the foregoing instrument are the corporate so	eals of
said Companies; and that they, as such, being authorized so to do, executed the foregoing instrument for the purposes therein contained by signing the names	of the
corporations by themselves as duly authorized officers.	
CAEASIE COLONIA COLONI	
Reberca Lasley - Trokala	
In Witness Whereof, I hereunto set my hand and official seal.	
	N. 1.12
My Commission expires the 1st day of July, 2006.  REBECCA EASLEY-ONOKALA, Notary P	rubiic

This Power of Attorney is granted under and by the authority of the following resolutions adopted by the Boards of Directors of Seaboard Surety Company, St. Paul Fire and Marine Insurance Company, St. Paul Guardian Insurance Company, St. Paul Mercury Insurance Company, United States Fidelity and Guaranty Company, Fidelity and Guaranty Insurance Company, and Fidelity and Guaranty Insurance Underwriters, Inc. on September 2, 1998, which resolutions are now in full force and effect, reading as follows:

RESOLVED, that in connection with the fidelity and surety insurance business of the Company, all bonds, undertakings, contracts and other instruments relating to said business may be signed, executed, and acknowledged by persons or entities appointed as Attorney(s)-in-Fact pursuant to a Power of Attorney issued in accordance with these resolutions. Said Power(s) of Attorney for and on behalf of the Company may and shall be executed in the name and on behalf of the Company, either by the Chairman, or the President, or any Vice President, or an Assistant Vice President, jointly with the Secretary or an Assistant Secretary, under their respective designations. The signature of such officers may be engraved, printed or lithographed. The signature of each of the foregoing officers and the seal of the Company may be affixed by facsimile to any Power of Attorney or to any certificate relating thereto appointing Attorney(s)-in-Fact for purposes only of executing and attesting bonds and undertakings and other writings obligatory in the nature thereof, and subject to any limitations set forth therein, any such Power of Attorney or certificate bearing such facsimile signature or facsimile seal shall be valid and binding upon the Company, and any such power so executed and certified by such facsimile signature and facsimile seal shall be valid and binding upon the Company with respect to any bond or undertaking to which it is validly attached; and

RESOLVED FURTHER, that Attorney(s)-in-Fact shall have the power and authority, and, in any case, subject to the terms and limitations of the Power of Attorney issued them, to execute and deliver on behalf of the Company and to attach the seal of the Company to any and all bonds and undertakings, and other writings obligatory in the nature thereof, and any such instrument executed by such Attorney(s)-in-Fact shall be as binding upon the Company as if signed by an Executive Officer and sealed and attested to by the Secretary of the Company.

I, Thomas E. Huibregtse, Assistant Secretary of Seaboard Surety Company, St. Paul Fire and Marine Insurance Company, St. Paul Guardian Insurance Company, St. Paul Mercury Insurance Company, United States Fidelity and Guaranty Company, Fidelity and Guaranty Insurance Company, and Fidelity and Guaranty Insurance Underwriters, Inc. do hereby certify that the above and foregoing is a true and correct copy of the Power of Attorney executed by said Companies, which is in full force and effect and has not been revoked.

IN TESTIMONY WHEREOF, I hereunto set my hand this

ALCO THE SE

ORPORATE O SEAL S SELITY AND QUE NO THE NAME OF THE NAME OF

1977

MCORPORATED ST

Thomas E. Huibregtse, Assistant Secretary

To verify the authenticity of this Power of Attorney, call 1-800-421-3880 and ask for the Power of Attorney clerk. Please refer to the Power of Attorney number, the above-named individuals and the details of the bond to which the power is attached.

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

The French Monerals and Natural Resources

Form C-138 Revised June 10, 2003

Submit Original Plus 1 Copy to Appropriate District Office

Oil Conservation Division MAY 1 3 20051220 South St. Francis Dr.

Santa Fe, NM 87505

T SOLID WASTE
4. Generator Giant Transportation
5. Originating Site Lybrook Station T23N R7w Sec. 15
6. Transporter Giant Transportation
8. State NM
y a certification of waste from the Generator; necessary chemical analysis to PROVE the assified hazardous by listing or testing will be
port.
of the haul)cy
onmental Manager DATE: 5/9/05
/ Engr DATE: 5/10/05

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

Form C-117 A
Revised June 10, 2003

Submit 5 Copies to
Appropriate District Office

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

	appropriate	2.02.00	01114
EDMIT NO			

TANK CLEANING, SEDIMENT OIL REMOVAL, TRANSPORTATION	OF MISCELLANEOUS HYDROCARBONS AND DISPOSAL PERMIT
Operator or Owner Giant Transportation	Address 111 CR 4990, Bloomfield, NM 87413
Lease or Facility Name <u>Lybrook Station</u>	
OPERATION TO BE PERFORMED:  Tank Cleaning  Sediment Oil Removal	U.L Sec Twp Rge.  Transportation of Miscellaneous Hydrocarbons
Operator or Owner Representative authorizing work Giant Trans	portation
Date Work to be Performed 5/15/05  TANK CLEANING DATA Tank Number	Volume
Tank Type Heater treater SEDIMENT OIL OR MISCELLANEOUS HYDROCA	
Sediment Oil from: Pit Cellar 🗵 Other	MAY 200r
MISCELLANEOUS OIL  Tank Bottoms From:   ☐ Pipeline Station ☐ Crude Ten	rminal Refinery Other
Catchings From: Gasoline Plant Gathering Lines	Salt Water Disposal System Other*
Pipeline Break Oil or Spill	
*Other (Explain) Heater treater maintenance, cleaning. Non-exempt.	
VOLUME AND DESTINATION: Estimated Volume 8-10 Bbls  Destination (Name and Location of treating plant or other facility Giant	(Not required prior to Division approval)
DESTRUCTION OF SEDIMENT OIL BY:   Burning	Pit Disposal Use on Roads or firewalls Other
(Explain)	7
Location of Destruction	
Justification of Destruction	
<b>CERTIFICATION:</b> (APPLICATION MAY BE MADE BY EITHER I hereby certify that the information above is true and complete to the best of	
Owner Giant Transportation	Transporter Giant Transportation
By Bill Robertson Bull DULE	Address 111 CR 4990, Bloomfield, NM 87413
Title Safety and Environmental Manager	Signature Pill Shill
E-mail Address brobertson@giant.com	E-mail Address brobertson@giant.com
Date 5/9/05	Title Safety and Environmental Manager Date 5/9/05
OIL CONSERVATION DIVISION	-
Approved By less Martin Title	ENVIRO. ENGR. Date 5-16-05
A CORV OF THE FORM MIST BE ONLY SOUTHWARD THE CONTROL OF THE CONTR	DISTRIBUTION BY OCD
A COPY OF THIS FORM MUST BE ON LOCATION DURING TANK CLEANING, REMOVAL OF SEDIMENT OIL OR MISCELLANEOUS HYDROCARBONS, AND MUST BE PRESENTED WITH TANK BOTTOMS, SEDIMENT OIL OR MISCELLANEOUS HYDROCARBONS AT THE TREATNIC BLANT TO WHICH THE DELINERY BY BOTTOMS.	
MISCELLANEOUS HYDROCARBONS AT THE TREATING PLANT TO WHIC	H IT IS DELIVERED. Prie Operator
5.	Transporter (2)

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

APPROVED BY:

## 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 June 10, 2003

Submit Original Plus 1 Copy to Appropriate District Office

Salita Fe, Nivi 87303	
REQUEST FOR APPROVAL TO ACCES	PT SOLID WASTE
1. RCRA Exempt: Non-Exempt: Verbal Approval Received: Yes No	4. Generator Giant Transportation
	5. Originating Site Lybrook Station T23N R7w Sec. 15
2. Management Facility Destination Giant Mid-Continent, Inc. Land Farm T25N R12W Sec. 16	6. Transporter Giant Transportation
3. Address of Facility Operator 111 CR 4990, Bloomfield, NM 87413	8. State NM
7. Location of Material (Street Address or ULSTR) Lybrook Station T23N R7w Sec. 15	
One:      All requests for approval to accept oilfield exempt wastes will be accompanied by one certificate per job.  B. All requests for approval to accept non-exempt wastes must be accompanied by material is not-hazardous and the Generator's certification of origin. No waste capproved	necessary chemical analysis to PROVE the
All transporters must certify the wastes delivered are only those consigned for trans	sport.
BRIEF DESCRIPTION OF MATERIAL:	
Heater treater maintenance, cleaning. Non-exempt.	
Estimated Volume 8-10 cy Known Volume (to be entered by the operator at the end	I of the haul)cy
SIGNATURE 34 SLEET TITLE: Safety and Envir	onmental Manager DATE: 5/9/05
TYPE OR PRINT NAME: Bill Robertson TELEPHONE NO. (505) 632-4077	
E-MAIL ADDRESS brobertson@giant.com	
E-MAIL ADDICES DIOCHSOME GIAIN.COM	
(This space for State Use) APPROVED BY: Deny Fent TITLE: Envirol	Eng. DATE: 5/10/05

TITLE:

DATE:

District I  1625 N. French Dr., Hobbs, NM 882400 E CFI VE DState of New Mexico 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, NN 8750 CONSERVATION Santa Fe, NM 8750 CONSERVATI	Form C-138 Revised June 10, 2003 Submit Original Plus 1 Copy to Appropriate District Office
REQUEST FOR APPROVAL TO ACCEP	PSOLIDIMANTE
1. RCRA Exempt: X Non-Exempt: □ □Verbal Approval Received: Yes No □	4. Generator Giant Industries, Inc. 5. Originating Site Giant Industries, Inc. Bloomfield
2. Management Facility Destination: Giant Industries, Inc. Mid Continent land farm	6. Transporter Giant Industries, Inc.
3. Address of Facility Operator 111 county rd 4990 Bloomfield	8. State NM'
7. Location of Material (Street Address or ULSTR) 11 county road 4990 Bloomfield  9. Circle One:	NM
A. All requests for approval to accept oilfield exempt wastes will be accompanied by one certificate per job.  B. All requests for approval to accept non-exempt wastes must be accompanied by no material is not-hazardous and the Generator's certification of origin. No waste class approved  All transporters must certify the wastes delivered are only those consigned for transporters must certify the wastes delivered are only those consigned for transporters must certify the wastes delivered are only those consigned for transporters must certify the wastes delivered are only those consigned for transporters must certify the wastes delivered are only those consigned for transporters must certify the wastes delivered are only those consigned for transporters must certify the wastes delivered are only those consigned for transporters must certify the wastes delivered are only those consigned for transporters approved.  All transporters must certify the wastes delivered are only those consigned for transporters approved.  All transporters must certify the wastes delivered are only those consigned for transporters approved.  All transporters must certify the wastes delivered are only those consigned for transporters approved.  All transporters must certify the wastes delivered are only those consigned for transporters approved to the approximately 4 cubic variables.  Approximately 4 cubic variables are approved to the approximately 4 cubic variables.  Bignature for must certify the wastes delivered are only those consigned for transporters approved to the approximately 4 cubic variables.  Bignature for must certify the wastes delivered are only those consigned for transporters approved to the approximately 4 cubic variables.  Bignature for must certify the wastes delivered are only those consigned for transporters approved to the a	ecessary chemical analysis to PROVE the ssified hazardous by listing or testing will be nort.
Estimated Volume 4 cy Known Volume (to be entered by the ope	rator at the end of the haul) 4cy
SIGNATURE TITLE: Safety & Environ	nmental Manager DATE: 04/06/05
TYPE OR PRINT NAME: _Bill Robertson TELEPHONE NO505-632-4077	
E-MAIL ADDRESS	
APPROVED BY: Sel Martin TITLE: ENVIRON	

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 June 10, 2003

> Submit Original Plus 1 Copy to Appropriate District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: X Non-Exempt:   Uverbal Approval Received: Yes No	4. Generator Giant Industries, Inc.  5. Originating Site Giant Industries, Inc. Bloomfield	
2. Management Facility Destination: Giant Industries, Inc. Mid Continent land farm	6. Transporter Giant Industries, Inc.	
3. Address of Facility Operator 111 county rd 4990 Bloomfield	8. State NM'	
7. Location of Material (Street Address or ULSTR) 11 county road 4990 Bloomfield	NM	
9. Circle One:		
A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job.  B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved		
All transporters must certify the wastes delivered are only those consigned for transporters	ort.	
BRIEF DESCRIPTION OF MATERIAL:		
Approximately 4 cubic-yards of Diesel contaminated soil from routine clean —up around di Bloomfield terminal.		
Estimated Volume4cy Known Volume (to be entered by the operation)	ator at the end of the haul)4cy	
SIGNATURE Till Bloom TITLE: Safety & Environm Waste Management Facility Authorized Agent	mental Manager DATE: 04/06/05	
TYPE OR PRINT NAME:Bill Robertson TELEPHONE N	IO505-632-4077	
E-MAIL ADDRESS		
(This space for State Use)  APPROVED BY:  TITLE:  TITLE:	DATE: 4/06/05  DATE:	

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address:	2. Destination Name:
644 = = 0.45	GIANT INDUSTRIES.
SHAUT INDUSTRIES	MID-CONT EMALL FARM
3. Originating Site (name):	Location of the Waste (Street address &/or ULSTR):
GIANT TUDUSTRIES FUEL	TERMINAL.
· 111 COUNTY ROAD 49	190 BLOOMFIELD N.D.
Attach list of originating sites as appropriate	
4. Source and Description of Waste	
DIESEL CONTAMINATER S	TOLL FROM GENERAL CUCHN-UPD.
AT FULL ISCHALL	CENTER CLEAR CONTRACTOR
1 777 7000 2307 60	
L	
I, RILL ROBERT SON (Print Name	representative for:
GIANT INDUSTRIES 13400	
according to the Resource Conservation an	d Recovery Act (RCRA) and Environmental Protection Agency's July
1988, regulatory determination, the above of	described waste is: (Check appropriate classification)
	ION-EXEMPT oilfield waste which is non-hazardous by characteristic nalysis or by product identification
and that nothing has been added to the exer	mpt or non-exempt non-hazardous waste defined above.
For NON-EXEMPT waste only the following MSDS Information  RCRA Hazardous Waste Arc Chain of Custody	ing documentation is attached (check appropriate items): Other (description): nalysis
Name (Original Signature): 2344 724	: L
Title: <u>SAFETY</u> MANAGER	
Date: 4/6/65	

Common Name: 1 DIESEL Manufacturer: GIANT REFINING Revision Date: 03-14-1997 Internal ID: 000214

VAPOR PRESSURE (MMHG): N/A

PERCENT VOLATILE BY VOLUME (%): 100

VAPOR DENSITY (AIR=1): N/A

EVAPORATION RATE (BUTYL ACETATE = 1): N/A

SOLUBILITY IN WATER: N/A

APPEARANCE AND ODOR INFORMATION:

PALE YELLOW TO WATERY WHITE OILY LIQUID WITH HYDROCARBON ODOR.

### SECTION 5 - PHYSICAL HAZARD DATA

FLASH POINT (METHOD USED): 100-120 F

FLAMMABLE LIMITS:

LEL = 0.7

UEL = 5.0

EXTINGUISHING MEDIA:

WATER SPRAY, FOAM, DRY CHEMICAL OR CO2.

SPECIAL FIRE FIGHTING PROCEDURES:

USE WATER TO KEEP FIRE EXPOSED CONTAINERS COOL. IF A SPILL OR LEAK HAS NOT IGNITED USE WATER SPRAY TO DISPERSE THE VAPORS. WATER SPRAY MAY BE USED TO FLUSH SPILLS FROM EXPOSURES.

UNUSUAL FIRE AND EXPLOSION HAZARDS: N/I

INCOMPATIBILITY (MATERIALS TO AVOID):

AVOID HEAT, SPARKS, OPEN FLAMES, AND STRONG OXIDIZING AGENTS. PREVENT VAPOR ACCUMULATION.

HAZARDOUS DECOMPOSITION PRODUCTS:

CARBON MONOXIDE AND OTHER ORGANIC COMPOUNDS CAN BE FORMED UPON COMBUSTION.

WILL HAZARDOUS POLYMERIZATION OCCUR: WILL NOT OCCUR.

CONDITIONS TO AVOID FOR POLYMERIZATION: N/I

IS THE PRODUCT STABLE: YES

CONDITIONS TO AVOID FOR STABILITY: N/I

### SECTION 6 - SPILIT OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: LARGE SPILLS. ISOLATE HAZARD AREA. DENY ENTRY TO UNNECESSARY PERSONNEL. WEAR APPROPRIATE RESPIRATOR AND CLOTHING. SHUT OFF SOURCE OF LEAK IF POSSIBLE. DIKE AND CONTAIN.

Manufacturer : GIANT REFINING Revision Date : 03-14-1997 Internal ID : 000214

THIS PRODUCT CONTAINS CARCINOGENS (NTP, IARC, OR OSHA): NO

### SECTION 3 - HEALTH HAZARD DATA

HEALTH EFFECTS (ACUTE AND CHRONIC) -

#### INHALATION:

MINIMIZE BREATHING VAPORS. REPEATED OR PROLONGED EXPOSURES TO HIGH CONCENTRATION OF VAPOR MAY CAUSE HEADACHE, DIZZINESS, NAUSEA, INCOORDINATION, LOSS OF CONSCIOUSNESS OR EVEN DEATH.

#### INGESTION:

HARMFUL IF SWALLOWED RESULTING IN NAUSEA, VOMITING, DIARRHEA, AND RESTLESSNESS. ASPIRATION OF VOMITUS MAY LEAD TO SEVERE LUNG DAMAGE AND EVEN DEATH.

#### SKIN CONTACT:

PROLONGED AND REPEATED LIQUID CONTACT CAN CAUSE DEFATTING AND DRYING OF THE SKIN RESULTING IN SKIN IRRITATION AND DERMATITIS.

PRIMARY ROUTES OF ENTRY -

EYE AND SKIN CONTACT. INHALATION.

- MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: N/I

EMERGENCY FIRST AID PROCEDURES:

#### EYES:

FLUSH WITH WATER FOR 15 MINUTES WHILE HOLDING EYELIDS OPEN. CALL A PHYSICIAN.

#### SKIN:

REMOVE CONTAMINATED CLOTHING AND SHOES. FOLLOW BY WASHING WITH SOAP AND WATER. DO NOT REUSE CLOTHING OR SHOES UNTIL CLEANED. IF IRRITATION PERSISTS. GET MEDICAL ATTENTION.

#### INHALATION:

REMOVE VICTIM TO FRESH AIR AND PROVIDE OXYGEN IF BREATHING IS DIFFICULT. GIVE ARTIFICIAL RESPIRATION IF NOT BREATHING. CALL A PHYSICIAN.

#### INGESTION:

DO NOT INDUCE VOMITING. IF VOMITING OCCURS SPONTANEOUSLY, KEEP HEAD BELOW HIPS TO PREVENT ASPIRATION OF LIQUID INTO THE LUNGS. CALL A PHYSICIAN.

### SECTION 4 - CHEMICAL DATA

BOILING POINT (F): 347

SPECIFIC GRAVITY (WATER=1): .81

Common Name : 1 DIESEL Manufacturer : GIANT REFINING Revision Date : 03-14-1997 nternal ID : 000214

REMOVE WITH VACUUM TRUCKS OR PUMP TO STORAGE SALVAGE VESSELS. SOAK UP RESIDUE WITH AN ABSORBENT SUCH AS CLAY, SAND, ETC. PLACE IN D.O.T. AUTHORIZED CONTAINERS. SMALL SPILLS. TAKE UP WITH ABSORBENT MATERIAL SUCH AS SAND OR CLAY AND DISPOSE AS ABOVE.

WASTE DISPOSAL METHODS:

RECOVERED PRODUCT SHOULD BE RECYCLED. WASTE GENERATED DURING CLEANUP WHICH IS DISCARDED AS A SOLID WASTE SHOULD BE DISPOSED OF AT A FACILITY APPROVED UNDER RCRA REGULATIONS FOR HAZARDOUS WASTE.

# SECTION 7 -- EXPOSURE CONTROL INFORMATION

VENTILATION:

LOCAL EXHAUST: BELOW PEL

MECHANICAL (GENERAL): CONFINED SPACES

SPECIAL: N/A

OTHER: BELOW FLAM. LIMITS.

RESPIRATORY PROTECTION:

UNDER CONDITIONS OF POTENTIAL HIGH EXPOSURE, THE USE OF A NIOSH-APPROVED

RESPIRATOR IS RECOMMENDED.

PROTECTIVE GLOVES: IMPERVIOUS GLOVES.

OTHER PROTECTIVE EQUIPMENT: EYE PROTECTION AND PROTECTIVE CLOTHING.

OTHER ENGINEERING CONTROLS: N/I

WORK PRACTICES: N/I

HYGIENIC PRACTICES: WASH THOROUGHLY BEFORE EATING, DRINKING OR SMOKING.

#### SECTION 8 - SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE:

AVOID HEAT, SPARKS, OPEN FLAMES, AND STRONG OXIDIZING AGENTS. PREVENT VAPOR

ACCUMULATION.

MAINTENANCE PRECAUTIONS: N/I

OTHER PRECAUTIONS:

FOR USE AS A MOTOR FUEL ONLY. DO NOT USE AS A CLEANING SOLVENT OR FOR OTHER

NON-MOTOR FUEL USES.

ADDITIONAL COMMENTS: N/I

Waste Management Facility Authorized Agent

TYPE OR PRINT NAME: James Hatcher

Form C-138 Revised March 17, 1999

> Submit Original Plus 1 Copy to Appropriate District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID-WASTE	
1. RCRA Exempt: □ Non-Exempt: □	Generators Pumping Services
Verbal Approval Received: No S	5. Originating Site Key Energy Pressure Pumping Services
2. Management Facility Destination: JFJ Landfarm L.L.C.	6. Transporter: Lucero Construction
3. Address of Facility Operator: Industrial Ecosystems Inc. P.O. Box 2043 Farmington, N.M. 87499	8. State: NM
7. Location of Material (Street Address or ULSTR) 708 South Tucker Ave, Farmington NM 87401	
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: Packing Oil SAE 15W40 (Please see attached MSDS)	
Estimated Volume (to be entered by the operator at the end of the haul) 36 cubic yards	
SIGNATURETITLE: Manage	rDATE: 03-14-05

(This space for State Use)		
APPROVED BY	TOTAL STATE OF THE PARTY OF THE	DATE 3/17/05

TELEPHONE NO. (505) 632-1782

District 1 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

REQUEST FORTH TROVILE TO HEERLY	20022 112022	
RCRA Exempt: □ Non-Exempt: □  Verbal Approval Received: Yes □ No □	4. Generator Key Energy Pressure Pumping Services  5. Originating Site Key Energy Pressure Pumping Services	
2. Management Facility Destination: JFJ Landfarm L.L.C.	6. Transporter: Lucero Construction	
3. Address of Facility Operator: Industrial Ecosystems Inc. P.O. Box 2043 Farmington, N.M. 87499	8. State: NM	
<ol> <li>Location of Material (Street Address or ULSTR)</li> <li>South Tucker Ave, Farmington NM 87401</li> </ol>		
9. Circle One:  A. All requests for approval to accept oilfield exempt wastes will be accompanied by one certificate per job.  B. All requests for approval to accept non-exempt wastes must be accompanied by material is not-hazardous and the Generator's certification of origin. No waste class approved  All transporters must certify the wastes delivered are only those consigned for transporters per	ecessary chemical analysis to PROVE the assified hazardous by listing or testing will be port.	
SIGNATURE		
(This space for State Use)  APPROVED BY:  TITLE:  TITLE:	Engv DATE: 3/17/05  DATE:	



# NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON
Governor
Joanna Prukop
Cabinet Secretary



Lori Wrotenbery
Director
Oil Conservation Division

### CERTIFICATE OF WASTE STATUS

1. Generator Name and Address	2. Destination Name:
Key Energy Pressure Pumping	Industrial Eco Systems Inc.
Services	, in the second second
	cation of the Waste (Street address &/or ULSTR):
	18 South Tucker, Ave.
attach list of originating sites as appropriate  4. Source and Description of Waste	armington, NM 87401
Packing Oil - SAE 15W 40 9	Gravel
n, Michael A. McNeese Print Name	representative for :
Key Energy Pressure Pumping Service Conservation and Recovery Act (RCRA) and Environmental Protection	do hereby certify that, according to the Resource
described waste is: (Check appropriate classification)	Agency's July, 1988, regulatory determination, the above
EXEMPT oilfield waste NON-EXEMPT	oilfield waste which is non-hazardous by characteristic
	roduct identification
and that nothing has been added to the exempt or non-exempt non -hazar	rdous waste defined above.
For NON-EXEMPT waste the following documentation is attached (che	
This waste is in compliance with Regulated Levels of Naturally Occu NMAC 3.1 aubpart 1403.C and D.	rring Radioactive Material (NORM) pursuant to 20
Name (Original Signature): Michael A. Michelse	
Title: Sales Manager	
Phone Number: (505) 325-4192	
Date:3_/4-05	

505 564 3524 P.02/09

MATERIAL SAFETY DATA SHEET Revision Date: 10/10/2002

PRODUCT AND COMPANY IDENTIFICATION

PRODUCT: RIMULA® Premium SAE 15W-40

MSDS NUMBER: 400843E - 1 PRODUCT CODE(\$); 54269

MANUFACTURER ADDRESS: Shell Oil Products US, P. O. Box 4453, Houston, TX.

77210-4453

TELEPHONE NUMBERS

Spill Information: (877) 504-9351 Health Information: (877) 276-7285 MSDS Assistance Number: (877) 276-7285

SECTION 2 PRODUCT/INGREDIENTS

CAS# CONCENTRATION INGREDIENTS

100 %weight Motor Oil

Mixture 85 ~ 94.99 %weight Highly refined petroleum distillates Mixture 5 - 14.99 %weight Proprietary additives (contains zinc

(ebnuogmoo

SECTION 3 HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW Appearance & Odor: Bright and clear liquid. Mineral oil odor.

Health Hazards: No known immediate health hazards.

Physical Hazards: No known physical hazards. NFPA Rating (Health, Fire, Reactivity): 0, 1, 0

Hazard Rating:Least - 0 Slight - 1 Moderate - 2 High - 3

Extreme - 4

Inhalation:

Inhalation of vapors (generated at high temperatures only) or oil mist may cause mild irritation of the nose, throat, and respiratory tract.

Eye Irritation:

Lubricating oils are generally considered no more than minimally irritating to the eyes.

Skin Contact:

Lubricating oils are generally considered no more than minimally irritating to

the skin. Prolonged and repeated contact may result in defatting and drying of the skin that may cause various skin disorders such as dermatitis, folliculitis or oil acne.

#### Ingestion:

Lubricating oils are generally no more than slightly toxic if swallowed. Other Health Effects:

The International Agency for Research on Cancer (IARC) has determined there is sufficient evidence for the carcinogenicity in experimental animals of used gasoline motor oils. Handling procedures and safety precautions in the MSDS should be followed to minimize exposure to the used product. Material may release hydrogen sulfide (H2S), a highly toxic and extremely flammable gas, when heated to 180 Degrees F or higher. H2S can cause irritation of the eyes and respiratory tract, headachs, dizziness, nausea, vomitting, diarrhea, and pulmonary edema. The odor ("rotten egg") threshold is 0.02 ppm. Do not depend on sense of smell for warning; H2S rapidly deadens the sense of smell.

Signs and Symptoms:

Irritation as noted above.

Aggravated Medical Conditions:

Pre-existing eye, skin and respiratory disorders may be aggravated by exposure to this product.

For additional health information, refer to section 11.

SECTION 4 FIRST AID MEASURES

#### Inhalation:

Remove victim to fresh air and provide oxygen if breathing is difficult. Get medical attention.

#### Skin:

Remove contaminated clothing and shoes and wipe excess from skin. Flush skin with water, then wash with soap and water. If irritation occurs, get medical attention. Do not reuse clothing until cleaned.

#### Eye

Flush with water. If irritation occurs, get medical attention.

#### Ingestion:

Do not induce vomiting. In general, no treatment is necessary unless large quantities of product are ingested. However, get medical attention.

#### Note to Physician:

In general, emesis induction is unnecessary in high viscosity, low volatility products such as oils and greases.

SECTION 5 FIRE FIGHTING MEASURES

Flash Point [Method]: >400 °F/>204.44 °C ( Cleveland Open Cup)

Extinguishing Media:

Material will float and can be re-ignited on surface of water. Use water fog, 'alcohol foam', dry chemical or carbon dioxide (CO2) to extinguish flames. Do not use a direct stream of water.

Fire Fighting Instructions:

Material will not burn unless preheated. Do not enter confined fire space without full bunker gear (helmet with face shield, bunker coats, gloves and rubber boots), including a positive pressure, NIOSH approved, self-contained breathing apparatus.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Protective Measures:

May burn although not readily ignitable.

Wear appropriate personal protective equipment when cleaning up spills. Refer to Section 8.

Spill Management:

FOR LARGE SPILLS: Remove with vacuum truck or pump to storage/salvage vessels.

FOR SMALL SPILLS: Soak up residue with an absorbent such as clay, sand or other suitable material. Place in non-leaking container and seal tightly for proper disposal.

Place in container for proper disposal.

Reporting:

CERCLA: Product is covered by EPA's Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) petroleum exclusion. Releases to air, land, or water are not reportable under CERCLA (Superfund).

CWA: This product is an oil as defined under Section 311 of EPA's Clean Water Act (CWA). Spills into or leading to surface waters that cause a sheen must be reported to the National Response Center, 1-800-424-8802.

SECTION 7 HANDLING AND STORAGE

Precautionary Measures:

Wash with soap and water before eating, drinking, smoking, applying cosmetics, or using toilet. Launder contaminated clothing before reuse. Properly dispose of contaminated leather articles such as shoes or belts that cannot be decontaminated. Avoid heat, open flames, including pilot lights, and strong oxidizing agents. Use explosion-proof ventilation to prevent vapor accumulation. Ground all handling equipment to prevent sparking.

Material may release hydrogen sulfide (H2S), a highly toxic and extremely flammable gas, when heated to 180 Degrees F or higher. H2S may collect in the headspace of the container.

Storage:

Store in a cool, dry place with adequate ventilation. Keep away from open flames and high temperatures.

Container Warnings:

Keep containers closed when not in use. Containers, even those that have been emptied, can contain explosive vapors. Do not cut, drill, grind, weld or perform similar operations on or near containers.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Oil mist, mineral ACGIH TLV TWA: 5 mg/m3 STEL: 10 mg/m3

Oil mist, mineral OSHA PEL TWA: 5 mg/m3

Hydrogen sulfide ACGIH - TLV TWA: 10 ppmm STEL: 15 ppmm Hydrogen sulfide OSHA - PEL IS TWA: 10 ppmm STEL: 15 ppmm

Hydrogen sulfide Elevated Temperatures > 180 Degrees F.

EXPOSURE CONTROLS

Adequate ventilation to control airborne concentrations below the exposure guidelines/limits.

PERSONAL PROTECTION

Personal protective equipment (PPE) selections vary based on potential exposure conditions such as handling practices, concentration and ventilation. Information on the selection of eye, skin and respiratory protection for use with this material is provided below.

Eye Protection:

Chemical Goggles, or Safety glasses with side shields

Skin Protection:

Use protective clothing which is chemically resistant to this material. Selection of protective clothing depends on potential exposure conditions and may include gloves, boots, suits and other items. The selection(s) should take into account such factors as job task, type of exposure and durability requirements.

Published literature, test data and/or glove and clothing manufacturers indicate the best protection is provided by: Neoprene, or Nitrile Rubber

Respiratory Protection:

If engineering controls do not maintain airborne concentrations to a level which is adequate to protect worker health, an approved respirator must be worn. Respirator selection, use and maintenance should be in accordance with the requirements of the OSHA Respiratory Protection Standard, 29 CFR 1910.134.

Types of respirator(s) to be considered in the selection process include: For Mist: Air Furifying, R or P style NIOSH approved respirator. For Vapors: Air Purifying, R or P style prefilter & organic cartridge, NIOSH approved respirator. Self-contained breathing apparatus for use in environments with unknown concentrations or emergency situations.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance & Odor: Bright and clear liquid. Mineral oil odor.

Substance Chemical Family: Lubricants Appearance: Bright and clear liquid.

Flash Point: > 400 °F [Cleveland Open Cup]

Odor: Mineral oil odor.

Specific Gravity: 0.856 - 0.913

Viscosity: 109.5 cSt @ 40 °C

SECTION 10 REACTIVITY AND STABILITY

Stability.

Material is stable under normal conditions.

Conditions to Avoid:

Avoid heat and open flames.

Materials to Avoid: Avoid contact with strong oxidizing agents.

Hazardous Decomposition Products:

Thermal decomposition products are highly dependent on combustion conditions. A complex mixture of airborne solids, liquids and gases will evolve when this material undergoes pyrolysis or combustion. Aldehydes, Carbon Monoxide, Carbon Dioxide, Hydrogen Sulfide, Ketones and other unidentified organic compounds may be formed upon combustion.

SECTION 11 TOXICOLOGICAL INFORMATION

Acute Toxicity
Dermal LD50 >5.0 g/kg(Rabbit) OSHA: Non-Toxic Based on components(s)
Oral LD50 >5.0 g/kg(Rat) OSHA: Non-Toxic Based on components(s)

A LILL I INC. I TROOP OUT ANALYS

Carcinogenicity Classification Motor Oil

NTP: No IARC: Not Reviewed ACGIH: No OSHA: No

SECTION 12 ECOLOGICAL INFORMATION

Environmental Impact Summary:

There is no ecological data available for this product. However, this product is an oil. It is persistent and does not readily biodegrade. However, it does not bioaccumulate.

DISPOSAL CONSIDERATIONS

#### RCRA Information:

Under RCRA, it is the responsibility of the user of the material to determine, at the time of the disposal, whether the material meets RCRA criteria for hazardous waste. This is because material uses, transformations, mixtures, processes, etc. may affect the classification. Refer to the latest EPA, state and local regulations regarding proper disposal.

SECTION 14 TRANSPORT INFORMATION

US Department of Transportation Classification This material is not subject to DOT regulations under 49 CFR Parts 171-180.

Oil: This product is an oil under 49CFR (DOT) Fart 130. If shipped by rail or highway in a tank with a capacity of 3500 gallons or more, it is subject to these requirements. Mixtures or solutions containing 10% or more of this product may also be subject to this rule.

International Air Transport Association Not regulated under IATA rules.

International Maritime Organization Classification Not regulated under International Maritime Organization rules.

SECTION 15 REGULATORY INFORMATION .

FEDERAL REGULATORY STATUS

OSHA Classification:

Product is hazardous according to the OSHA Hazard Communication Standard, 29 CFR 1910.1200, because it carries the occupational exposure limit for mineral oil mist.

Ozone Depleting Substances (40 CFR 82 Clean Air Act): This material does not contain nor was it directly manufactured with any Class I or Class II ozone depleting substances.

Superfund Amendment & Reauthorization Act (SARA) Title III:

There are no components in this product on the SARA 302 list.

GASOLINE ENGINE OIL HAS BEEN SHOWN TO CAUSE CANCER IN LABORATORY ANIMALS.

Precautionary Measures: Avoid prolonged or repeated contact with eyes, skin and clothing. Wash thoroughly after handling.

#### FIRST AID

Inhalation: Remove victim to fresh air and provide oxygen if breathing is difficult. Get medical attention. Skin Contact: Remove contaminated clothing and shoes and wipe excess from skin. Flush skin with water, then wash with soap and water. If irritation occurs, get medical attention. Do not reuse clothing until cleaned. Eye Contact: Flush with water. If irritation occurs, get medical attention. Ingestion: Do not induce vomiting. In general, no treatment is necessary unless large quantities of product are ingested. However, get medical attention.

#### FIRE

In case of fire, Use water fog, 'alcohol foam', dry chemical or carbon dioxide (CO2) to extinguish flames. Do not use a direct stream of water. Material will float and can be re-ignited on surface of water.

SPILL OR LEAK

Dike and contain spill.

FOR LARGE SPILLS: Remove with vacuum truck or pump to storage/salvage vessels.

FOR SMALL SPILLS: Soak up residue with an absorbent such as clay, sand or other suitable material. Place in non-leaking container and seal tightly for proper disposal.

CONTAINS: Highly refined petroleum distillates, Mixture; Proprietary additives (contains zinc compounds), Mixture

NFPA Rating (Health, Fire, Reactivity): 0, 1, 0

#### TRANSPORTATION

US Department of Transportation Classification
This material is not subject to DOT regulations under 49 CFR Parts 171-180.

Oil: This product is an oil under 49CFR (DOT) Part 130. If shipped by rail or highway in a tank with a capacity of 3500 gallons or more, it is subject to these requirements. Mixtures or solutions containing 10% or more of this product may also be subject to this rule.

CAUTION: Misuse of empty containers can be hazardous. Empty containers can be hazardous if used to store toxic, flammable, or reactive materials. Cutting or welding of empty containers might cause fire, explosion or toxic fumes from residues. Do not pressurize or expose to open flames or heat. Keep container closed and drum bungs in place.

Name and Address

Shell Oil Products US

P. O. Box 4453 Houston, TX 77210-4453

ADMINISTRATIVE INFORMATION

MANUFACTURER ADDRESS: Shell Oil Products US, P. O. Box 4453, Houston, TX.

77210-4453

Company Product Stewardship & Regulatory Compliance Contact: Timothy W Childs Phone Number: (281) 874-7708

THE INFORMATION CONTAINED IN THIS DATA SHEET IS BASED ON THE DATA AVAILABLE TO US AT THIS TIME, AND IS BELIEVED TO BE ACCURATE BASED UPON THAT: IT IS PROVIDED INDEPENDENTLY OF ANY SALE OF THE PRODUCT, FOR PURPOSE OF HAZARD COMMUNICATION. IT IS NOT INTENDED TO CONSTITUTE PRODUCT PERFORMANCE INFORMATION, AND NO EXPRESS OR IMPLIED WARRANTY OF ANY KIND IS MADE WITH RESPECT TO THE PRODUCT, UNDERLYING DATA OR THE INFORMATION CONTAINED HEREIN. YOU ARE URGED TO OBTAIN DATA SHEETS FOR ALL PRODUCTS YOU BUY, PROCESS, USE OR DISTRIBUTE, AND ARE ENCOURAGED TO ADVISE THOSE WHO MAY COME IN CONTACT WITH SUCH PRODUCTS OF THE INFORMATION CONTAINED HEREIN.

TO DETERMINE THE APPLICABILITY OR EFFECT OF ANY LAW OR REGULATION WITH RESPECT TO THE PRODUCT, YOU SHOULD CONSULT WITH YOUR LEGAL ADVISOR OR THE APPROPRIATE GOVERNMENT AGENCY. WE WILL NOT PROVIDE ADVICE ON SUCH MATTERS, OR BE RESPONSIBLE FOR ANY INJURY FROM THE USE OF THE PRODUCT DESCRIBED HEREIN. THE UNDERLYING DATA, AND THE INFORMATION PROVIDED HEREIN AS A RESULT OF THAT DATA, IS THE PROPERTY OF SHELL OIL PRODUCTS US AND IS NOT TO BE THE SUBJECT OF SALE OR EXCHANGE WITHOUT THE EXPRESS WRITTEN CONSENT OF SHELL OIL PRODUCTS US.

37632-29851-100R-10/10/2002

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 Resource

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

Form C-138 Revised June 10, 2003

> Submit Original Plus 1 Copy to Appropriate District Office

REQUEST FOR APPROVAL TO ACC Field Services, LP 1. RCRA Exempt: Non-Exempt: X No  $\square$ □Verbal Approval Received: Yes  $\square$ 5. Originating Site Cedar Hill Compressor Station 6. Transporter 2. Management Facility Destination Industrial Ecosystems Inc., JFJ Landfarm TBA 8. State 3. Address of Facility Operator #81 CR 3150, Aztec, NM 87410 New Mexico 7. Location of Material (Street Address or ULSTR) Cedar Hill Compressor Station, UTM Zone 13, UTMH 241.2 km, UTMV 4093.0 km, approx. 2.2 miles northwest of Cedar Hill, New Mexico in San Juan County. Section 29, T32N, R10W. 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. 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: Lube oil contaminated soils - Lube Oil: Mobil Super HP 5W-30. RCRA non-exempt, non-hazardous Known Volume (to be entered by the operator at the end of the haul) Estimated Volume 3 drums (55 gal/each) TITLE: Sales SIGNATURE. Waste Management Facility Authorized Agent TELEPHONE NO. 505-632-1282 TYPE OR PRINT NAME: E-MAIL ADDRESS (This space for State Use)

I do not like this certificate, I have never scenit before.

1

1625 N. French Dr., Hobbs, NM 88240

<u>District II</u>
1301 W. Grand Avenue, Artesia, NM 88210

<u>District III</u>
1000 Rio Brazos Road, Aztec, NM 87410

<u>District IV</u>

1220 S. St. Francis Dr., Santa Fe, NM 87505

Energy Minerals and Natural Resources

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

Form C-138 Revised June 10, 2003

Submit Original Plus 1 Copy to Appropriate District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: Non-Exempt: X	4. Generator Duke Energy Field Services, LP	
□Verbal Approval Received: Yes □ No □	5. Originating Site Cedar Hill Compressor Station	
Management Facility Destination Industrial Ecosystems Inc., JFJ Landfarm	6. Transporter TBA	
3. Address of Facility Operator #81 CR 3150, Aztec, NM 87410	8. State New Mexico	
7. Location of Material (Street Address or ULSTR) Cedar Hill Compressor Station, UTM Zone 13, UTMH 241.2 km, UTMV 4093.0 km, approx. 2.2 miles northwest of Cedar Hill, New Mexico in San Juan County. Section 29, T32N, R10W.		
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:		
Lube oil contaminated soils – Lube Oil: Mobil Super HP 5W-30. RCRA non-exempt, non-hazardous		
Estimated Volume _3 drums (55 gal/each) Known Volume (to be entered by the operator at the end of the haul)		
SIGNATURE Waste Management Facility Authorized Agent  TITLE: Sales N	lov. DATE: 12-27-04	
TYPE OR PRINT NAME: Joe 13,5 kby TELEPHONE NO. 505-632-1282		
E-MAIL ADDRESS		
(This space for State Use)		
APPROVED BY: 1 Serry Joint TITLE: Environ	E	

## CERTIFICATE OF WASTE STATUS NON-EXEMPT WASTE MATERIAL

Required by New Mexico Environment Department, Oil Conservation Division\*

COMPANY/GENERATOR Duke Energy Field Services, LP
ADDRESS 10 Desta Dr., Suite 400 – W, Midland, Texas 79705
GENERATING SITE Cedar HAII Comprisson Station
COUNTY Sar Juan STATE NM
TYPE OF WASTE Pube oil Contaminated Soil
ESTIMATED VOLUME 3 - 55 gal drums
GENERATING PROCESS leak from engine filter bin contaminated soils
GENERATING PROCESS leak from engine filter bin contaminated soils  REMARKS Non-exempt.
NMOCD FACILITY <u>Industrial Ecosyptems</u>
TRUCKING COMPANY
As a condition of acceptance for disposal, I hereby certify that this waste is non-exempt waste as defined by the Environmental Protection Agency's (EPA) July 1988 Regulatory Determination. To my knowledge, this waste will be analyzed pursuant to the provisions of 40CFR Part 261 to verify the nature as non-hazardous. I further certify that to my knowledge "hazardous or listed waste" pursuant to the provisions of 40CFR, Part 261, Subparts C and D, has not been added or mixed with the waste so as to make the resultant mixture a "hazardous waste" pursuant to the provisions of 40CFR, Section 2613.
AGENT Warel (SIGNATURE)
NAME Lynn Ward Sr. Env. Specialist (PRINTED)
ADDRESS 10 Desta Dr., Smit. 400-W. Midland, TX 79705
DATE 12/3/04

480103-00 Page 1 of 6

### MOBIL OIL CORPORATION MATERIAL SAFETY DATA BULLETIN

REVISED: 12/17/93

\*

MOBIL SUPER HP 5W-30

SUPPLIER:

24-HOUR EMERGENCY (CALL COLLECT):

MOBIL OIL CORP. (609) 737-4411

CHEMICAL NAMES AND SYNONYMS:

CHEMTREC:

PET. HYDROCARBONS AND ADDITIVES.

(800) 424-9300

USE OR DESCRIPTION:

PRODUCT AND MSDS INFORMATION:

ENGINE OIL

(800) 662-4525

\*\*\*\*\*\*\*\*\*\* II. TYPICAL CHEMICAL AND PHYSICAL PROPERTIES \*\*\*\*\*\*\*\*\*

AFFEARANCE: Dark Amber Liquid

ODOR: Mild

PH: NA

VISCOSITY AT 40 C, CS: > 60.0 VISCOSITY AT 100 C, CS: > 10.0

FLASH POINT F(C): > 350(177) (ASTM D-92)

MELTING POINT F(C): NA POUR POINT F(C): < O(-18)

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

RELATIVE DENSITY, 15/4 C: 0.86-0.89 SOLUBILITY IN WATER: Negligible

VAPOR PRESSURE-mm Hg 20C: < 0.1

NA-Not Applicable NE-Not Established D-Decomposes FOR FURTHER INFORMATION, CONTACT YOUR MARKETING REFRESENTATIVE.

\*\*\*\*\*\*\*\*\* III. POTENTIALLY HAZARDOUS INGREDIENTS \*\*\*\*\*\*\*\*

None

See Sections XII and XIII for regulatory and further compositional data.

\* --- INCLUDES AGGRAVATED MEDICAL CONDITIONS, IF ESTABLISHED ---THRESHOLD LIMIT VALUE: 5.00 mg/m3 Suggested for Oil Mist EFFECTS OF OVEREXPOSURE: No significant effects expected.

\*\*\*\*\*\*\*\*\* V. EMERGENCY AND FIRST AID PROCEDURES \*\*\*\*\*\*\*\*\*\* --- FOR PRIMARY ROUTES OF ENTRY ---

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. However, if greater than 1/2 liter(pint) ingested, immediately give 1 to 2 glasses of water and call a physician, hospital emergency room or poison control center for assistance. Do not induce vomiting or give anything by south to an unconscious person.

#### MOBIL SUPER HP 5W-30

480103-00 Page 2 of 6

\*\*\*\*\*\*\*\*\*\*\* VI. FIRE AND EXPLOSION HAZARD DATA \*\*\*\*\*\*\*\*\* FLASH POINT F(C): > 350(177) (ASTM D-92) FLAMMABLE LIMITS. LEL: 0.6% UEL: 7.0% 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.

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

\* STABILITY (Thermal, Light, etc.): Stable CONDITIONS TO AVOID: Extreme heat. INCOMPATIBILITY (Materials to Avoid): Strong oxidizers. HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide. Hetal oxides. Elemental oxides. HAZARDOUS POLYMERIZATION: Will not occur.

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* VIII. SPILL OR LEAK PROCEDURE \*\*\*\*\*\*\*\*\*\*\*\*\*\* ENVIRONMENTAL IMPACT: Report spills as required to appropriate authorities. U. S. Coast Guerd 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.

#### ENVIRONMENTAL PATE AND EFFECTS:

Acute LC/EC50 Fish: Juvenile Rainbow Trout: Practically non-toxic --- Based on testing of similar products.

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.

WASTE MANAGEMENT: 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 any government approved 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.

### MOBIL SUPER HP 5W-30

480103-00 Page 3 of 6

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

+5056326485

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

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

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

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\* X. SPECIAL PRECAUTIONS \*\*\*\*\*\*\*\*\*\*\*\*\*\*\* No special precautions required.

MOBIL SUPER HP 54-30

--- VCDIE TOXICOFOGY---

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

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

INHALATION TOXICITY (RATS): Practically non-toxic (LC50: greater than 5 . tlasnoqmos

. sdnenoquos and rolbns albuborg railer to gailed no beasd ---· (1/2m

melimis to gnilted no bessder-. (saeI to či Jud o madi relasig EYE IRRITATION (RABBITS): Practically non-irritating, (Draize score:

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

OTHER ACUTE TOXICITY DATA: The acute toxicological results summarized testing of similar products and/or the components.

above are based on testing of representative Mobil products.

Exposure to vapora generated at 400F at levels 400 times the TLV for oil mists (5 mg/m3), then cooled to room temperature, resulted in no

Environmental and Health Sciences Laboratory by dermal applications Representative Mobil formulations have been tested at the Mobil --- SUBCHRONIC TOXICOLOGY (SUPERARY) --significant adverse effects.

---REPRODUCTIVE TOXICOLOGY (SUPERARY) --and clinical chemistry of body fluids, showed no adverse effects. evaluations, including microscopic examination of inforcial organs those expected during normal industrial exposure. Extensive to rate 5 days/week for 90 days at doses significantly higher than

saniugazzo ziedi wo eshadom editar io espes on theis os conso Dermal exposure of pregnant rats to representative formulations did not

severely treated oils showed no evidence of carcinogenic effects. severely hydrotreated. Chronic mouse skin painting studies of The base oils aid this product are severaly solvent refined and/or ---CHRONIC TOXICOLOGY (SUMMARY)---

ni nollazilianea mida besuso fon evad anollalumnol lidoM evidadneserqeA --- (TAAPHUZ) NOITAZITIZNER--.dseT semA beilibok These results are confirmed on a continuing basis using the Mobil

Studies have shown that mice developed skin cancer after repeated ---OTHER TOXICOLOGY DATA---Engues brks.

should be followed. Washing any skin contact areas and removing oil seaked clothing, contact with the oil. Good personal hygiene practices, including entinim of anoliusperq east blueds lio rotom besu elbman Virsluger service station workers, engine mechanics, and sil persons who effect. Because of the effects observed in the laboratory tests, applications. Used oil from disset engines did not produce this of the animals. No effort was made to wash the oil off between emidebil edd 30% mins edd to fin engane entlosem besu to moddebilgqm

GOVERNMENTAL INVENTORY STATUS: All components comply with TSCA and DSL. 

Transport Information: Please see Section XIV,

أرفق

#### MOBIL SUPER HP 5W-30

480103-00 Page 5 of 6

US OSHA HAZARD COMMUNICATION STANDARD: Product assessed in accordance with OSHA 29 CFR 1910.1200 and determined not to be hazardous.

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.

U.S. Superfund Amendments and Resuthorization Act (SARA) Title III: This product contains no "EXTREMELY HAZARDOUS SUBSTANCES".

SARA (311/312) REPORTABLE HAZARD CATEGORIES: None

This product contains the following SARA (313) Toxic Release Chemicals:

PHOSPHORODITEOIC ACID, 0,0-DI CI-14-ALKYL ESTERS, ZINC SALTS (2:1) (ZDDP)

68649-42-3 1.817

### THE FOLLOWING PRODUCT INGREDIENTS ARE CITED ON THE LISTS BELOW:

CHEMICAL NAME COPFER (ELEMENTAL ANALYSIS)	CAS NUMBER 7440-50-8	LIST CITATIONS 22
(<0.021)	7440 30 0	**
ZINC (ELEMENTAL ANALYSIS) (<0.13%)	7440-66-6	22
PHOSPHORODITHOIC ACID, 0,0-DI C1-14-ALKYL ESTERS, ZINC SALTS (2:	68649-42-3	18, 20, 21, 22, 24, 25
1) (ZDDP) (1.81%)		

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

1	-	ACGIH ALL	6		IARC 1	11		TSCA	4	17		CA	P65	22		HT	293
5753		ACGIH A1			IARC ZA			TSCA									RTK
		ACGIH A2			IARC 2B			TSCA		-							RTK
		NTF CARC			OSHA CARC			TSCA								*	
			_										RTK				
3	-	NTP SUS	10	-	OSHA Z	13	-	TSCA	125	21	-	LA	RTK	25	-	RI	RTK

CARC - CARCINOGEN; SUS - SUSPECTED CARCINOGEN

NOTE: MOBIL PRODUCTS ARE NOT FORMULATED TO CONTAIN PCBS.

AND	TS	***	*****	**********
INGREDIENT DESCRIPTION		ERCEN		NUMBER
	i	<>	<	>
CONTAINS THE FOLLOWING BASE OIL:	>	85.00		
DISTILLATES (PETROLEUM), SOLVENT-				64742-65-0
DEWAXED HEAVY PARAPFINIC				
POLYOLEFIN ANIDE ALRENEAMINE	<	3.00	NIT	800967-54902
PHOSPHORODITHIOIC ACID, 0,0-DI-C1-14		1.15	.,,,	68649-42-3
ALKYL ESTERS, ZINC SALTS		1.13		00043-42-3
AMINES, POLYETHYLENEPOLY-, REACTION	<	2.00		84605-20 <del>-9</del>
PRODUCTS WITH SUCCINIC ANHYDRIDE				
POLYISOBUTENYL DERIVS.				
CALCIUM SULFONATE	<	2.00	TLK	800967-5473P
	-			

### MOBIL SUPER HP 5W-30

480103-00 Page 6 of 6

\*\*\*\*\*\*\*\*\* XIV. TRANSPORT AND LABEL INFORMATION \*\*\*\*\*\*\*\*\*\*

USA DOT: NOT REGULATED BY USA DOT.

IMO: NOT REGULATED BY INO.

IATA: NOT REGULATED BY IATA.

PRECAUTIONARY EEC LABEL TEXT:

\* - EC labeling not required. FOR MOBIL USE ONLY: MHC: 1\* 1\* 0\* 1\* 1\*, MPPEC: A. PPEC:, US931201 APPROVE CCODE:5 12/17/93 REQ: US - MARKETING

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 MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE IN RESPECT TO THE USE OR SUITABILITY OF THE PRODUCT. NOTHING IS INTENDED AS A RECOMMENDATION FOR USES WHICH INFRINGE VALID PATENTS OR AS EXTENDING LICENSE UNDER VALID PATENTS. APPROPRIATE WARNINGS AND SAFE HANDLING PROCEDURES SHOULD BE PROVIDED TO HANDLERS AND USERS. 

PREPARED BY: MOBIL OIL CORPORATION

ENVIRONMENTAL HEALTH AND SAFETY DEPARTMENT, PRINCETON, NJ FOR FURTHER INFORMATION, CONTACT:

MOBIL OIL CORPORATION, PRODUCT FORMULATION AND QUALITY CONTROL 3225 GALLOWS ROAD, FAIRFAX, VA 22037 (800) 227-0707 X3265

Energy Minerals and Natural Resources

District 1
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
Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resource Minerals and Natural Res

Form C-138 Revised March 17, 1999

Submit Original Plus 1 Copy to Appropriate District Office

REQUEST FOR APPRO	OVAL TO ACCEPT	T SOLID WASTE
RCRA Exempt:    Non-Exempt:    Verbal Approval Received:    Yes	5	Generator .     Atlantic Richfield Company     Originating Site
	10,10,11	ARCO Pump Station
2. Management Facility Destination: JFJ Landfarm L.L.	.c. (2) OEC 2000	6. Transporter: CDL Trucking M&M Trucking Foster Trucking
3. Address of Facility Operator: Industrial Ecosystems Inc. P.O. Box 2043 Farmington, N.M. 87499	C 001.300	8 State: NM
7. Location of Material (Street Address or ULSTR) Located in the Navajo Nation off of Route 302 South of Far From Route 371 & 302 it is approximately 12 miles to site.	mington New Mexico.	West of ElMuso Chaco Plant
9. Circle One:  A. All requests for approval to accept oilfield exempt water one certificate per job.  B. All requests for approval to accept non-exempt waster material is not-hazardous and the Generator's certificate approved  All transporters must certify the wastes delivered are one BRIEF DESCRIPTION OF MATERIAL:	s must be accompanied by ne ation of origin. No waste class	scessary chemical analysis to PROVE the ssified hazardous by listing or testing will be
Excavation of soils analytical data during drilling indicates so Estimated Volume 1300 cubic yards Known Volume (to be		•
SIGNATURE Waste Management Facility Authorized Agent TYPE OR PRINT NAME: James Hatcher	TITLE: Manager  TELEPHONE NO. (50	
(This space for State State )  APPROVED BY:  APPROVED BY:	STILE EnvolP	DATE DATE DATE 12/6/14

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

AMPROVISIO BY

State of New Mexico Energy Minerals and Natural Resource

> 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 ACCEP	T SOLID WASTE
1. RCRA Exempt: ☐ Non-Exempt: ☑	4. Generator . Atlantic Richfield Company
Verbal Approval Received: Yes No DEC 2004	5. Originating Site ARCO Pump Station
2. Management Facility Destination: JFJ Landfarm L.L.	6. Transporter: CDL Trucking M&M Trucking Foster Trucking
3. Address of Facility Operator: Industrial Ecosystems Inc. P.O. Box 2043 Farmington, N.M. 87499	8. State: NM
7. Location of Material (Street Address or ULSTR) Located in the Navajo Nation off of Route 302 South of Farmington New Mexico. From Route 371 & 302 it is approximately 12 miles to site.	
9. Circle One:  A. All requests for approval to accept oilfield exempt wastes will be accompanied by one certificate per job.  B. All requests for approval to accept non-exempt wastes must be accompanied by no material is not-hazardous and the Generator's certification of origin. No waste class approved  All transporters must certify the wastes delivered are only those consigned for transporters.	ecessary chemical analysis to PROVE the assified hazardous by listing or testing will be
BRIEF DESCRIPTION OF MATERIAL: Excavation of soils analytical data during drilling indicates soil is non hazardous. Source extended Volume  1300 cubic yards Known Volume (to be entered by the operator at the source of the sour	•
SIGNATURE	
(This space for State Use)	

AHUME:

minus



## NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

Bill Richardson
Governor
Joanne Prukop
Cabinet Secretary

Generator Name and Address

501 Westlake Park Blad.

Allantic Richfield Co.

HOUSTON, TX

3. Originating Site (name):

Lori Wrotenbery
Director
Oil Conservation Division

## CERTIFICATE OF WASTE STATUS

2. Destination Name:

C/O Industrial Ecosystems Inc. #81 CR 3250 Aztec, NM 87410

Location of the Waste (Street address &/or ULSTR):

J.F.J. Landfarm

4. Source and Description of Waste Executives of Soils Analytical data during drilling indicates soil	
is NON HAZ. Source of lant is non processed arude Oil	
John C. Danchertsen, Agent for Atlantic Richards. representative for:  Out C. Danchertsen 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	
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	
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): Joe C. Duts Agust for Atlantic Richfield Co. Title: Unit Marager	**
Date: 12-1-04	

# TABLE 1 SUMMARY OF TRPH and THP-E CONCENTRATIONS IN SOIL - OCTOBER 1998 FORMER LINE 90 BISTI PUMP STATION BISTI, NEW MEXICO

	Concentrations (mg/kg) TPH-E (Hydrocarbon Chain Range Breakdown)												
					TPH-E (I	Hydrocarbon Cl	hain Range Bre	eakdown)	Total				
Sample Number	Sample Location	Depth (feet)	Sample Date	TRPH	C8-C10	C10-C20	C20-C30	C30-C34	C8-C34				
BS-01-01	Sump	1	12-Oct-98	272	ND	46	45	10	101				
BS-01-05-01	Sump	5	12-Oct-98	ND	NA	NA	NA	NA	NA				
BS-02-05-01	AST	5	12-Oct-98	ND	NA	NA	NA	NA	NA				
BS-02-09-01	AST	9	12-Oct-98	ND	NA	NA	NA	NA	NA				
BS-02-09-02 <sup>(1)</sup>	AST	9	12-Oct-98	ND	NA ·	NA	NA	NA	NA				
BS-03-02-01	AST	2	12-Oct-98	5010	ND	16300	5500	2676	24476				
BS-03-05-01	AST	5	12-Oct-98	2740	ND	5	60	55	120				
BS-03-08-01	AST	8	12-Oct-98	ND	NA	NA	NA	NA	NA				
BS-04-01-01	Spill	1	12-Oct-98	2120	ND	518	321	73	912				
BS-04-05-01	Spill	5	12-Oct-98	ND	NA	NA	NA	NA	NA				
BS-05-02-01	Prover Loop	2	12-Oct-98	ND	NA	NA	NA	NA	NA.				
BS-05-05-01	Prover Loop	5	12-Oct-98	ND	NA	NA	NA	NA	NA				
BS-05-06-01	Prover Loop	6	12-Oct-98	ND	NA	NA	NA	NA	NA				
BS-06-01-01	Valve	1	12-Oct-98	46100	ND	1460	3650	1480	6590				
BS-06-05-01	Valve	5	12-Oct-98	ND	NA	NA	NA	NA	NA				

All data on this table is from the URS Report titled: Workplan for Additional Site Investigation, Former Line 90 Bisti Pump Station, Bisti, New Mexico dated May 16, 2002

#### Notes:

(1) Indicates a duplicate for the preceding sample

NA Indicates sample was not analyzed for this parameter.

ND Indicates non detect at or above the laboratory reporting limits. See laboratory analytical reports for reporting limits.

mg/kg Indicates milligrams per kilogram

## TABLE 2 SUMMARY OF ANALYTICAL RESULTS - JULY 2001 FORMER LINE 90 BISTI PUMP STATION BISTI, NEW MEXICO

Sample	Depth	Sample		Total Petroleum H	ydrocarbons (mg/kg)		BTEX
Number	(feet bgs)	Date	C6-C10	C10-C22	C22-C36	C6-C36	(ug/kg)
SMP-BS1-0	5	7/16/01	0.191 U	26.6 U	26.6 U	ND	NA
SMP-SS2-10	4	7/16/01	1.09	336	600	937.09	NA
T1-S1-0	4.5	07/04/01	0.19U	91	530	621	NA
T1-S2-30	4.5	7/4/01	0.2 U	27.2 U	27.2 U	ND	ND
T1-S3-46	4.5	7/4/01	0.2 U	27.6 U	27.6 U	ND .	NA
T1-S4-60	4.5	7/4/01	0.2 U	27.6 U	27.6 U	ND	NA
T1-S5-86	4.5	07/04/01	0.21U	58.4U	58.4U	ND	NA
T2-BS1-0	4.5	07/12/01	0.19U	26.5U	26.5U	ND	NA
T2-SS2-26	4.5	7/12/01	0.34	26.7 U	26.7 U	0.34	NA
T2-BS3-50	4.5	7/12/01	0.2 U	27.2 U	27.2 U	ND	NA
T2-SS4-70	4.5	07/12/01	0.19U	26.8U	26.8U	. ND	NA
T2-BS5-90	4.5	7/12/01	0.2 U	27.4 U	27.4 U	ND .	NA
T3-BS1-0	6	07/12/01	0.20U	27.8U	27.8U	ND	NA
T3-SS2-30	6	07/17/01	0.192U	26.7U	69.3	69.3	NA
T3-BS3-60	6	7/17/01	0.194 U	27 U	27 U	ND	NA
T3-SS4-90	6	7/17/01	0.2 U	27.7 U	27.7 U	ND	NA
T3-BS5-105	6	7/18/01	0.2 U	27.8 U	27.8 U	ND	NA
T3-SS6-130	6	7/18/01	0.194 U	27 U	27 U	ND	NA
T3-BS7-141	6	7/18/01	0.2 U	27.8 U	27.8 U	ND	NA
T3-SS8-155	6	7/18/01	0.188 U	26.1 U	26.1 U	ND	NA
T3-BS9-170	6	07/18/01	1.31	59	26U	60.31	NA

#### Notes:

mg/kg = milligrams per kilogram

ug/kg = micrograms per kilogram

feet bgs = Feet below ground surface

ND = Not detected above laboratory reporting limit

NA = Sample was not analyzed for these compounds

BTEX = Benzene, toluene, ethylbenzene, and xylenes

U = Compound was not detected above value indicated

## TABLE 3 SUMMARY OF TPH CONCENTRATIONS IN SOIL - JUNE 2002 FORMER LINE 90 BISTI PUMP STATION BISTI, NEW MEXICO

Sample Number	Sample Depth (ft)	Date Sampled	TPH C6-C10	TPH C10-C22	TPH C22-C36	TPH Total	Benzene	Toluene	Ethyl Benzene	m,p-Xylene	o-Xylen
Number	Depui (it)	Sampled	mg/Kg	mg/Kg	mg/Kg	mg/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
BS-7	1	6/18/2002	ND	ND	ND	ND	ND	ND	ND	ND	ND
55-7	5	0/10/2002	ND	ND	ND	ND	ND	6.2	ND	ND	ND
	9.5		ND	ND	ND	ND	ND	ND	ND	ND	ND
BS-8	1	6/18/2002	ND	ND	ND	ND	NS	NS	NS	NS	NS
	5		ND	ND	ND	ND	NS	NS	NS	NS	NS
	9.5		ND	ND	ND	ND	_ NS	NS	NS	NS	NS
BS-9	1	6/18/2002	ND	616	1620	2236	NS	NS	NS	NS	NS
	5		ND	ND	ND	ND	NS	NS	NS	NS	NS
BS-10	9	6/18/2002	ND 42.4	ND 3650	ND 6580	ND 10242.1	NS ND	NS	NS ND	NS 280	NS 230
BS-10	5	6/18/2002	12.1 ND	ND	ND	ND	ND	ND 60	ND	ND ND	ND
	10		ND	ND	ND ·	ND	ND	ND	ND	ND	ND
BS-11	1	6/18/2002	ND	2360	5930	8290	NS	NS	NS	NS	NS
	5		ND	ND	ND	ND	NS	NS	NS	NS	NS
	9		ND	ND	ND	ND	NS	NS	NS	NS	NS
BS-12	1	6/18/2002	175	3420	4000	7595	ND	ND	3200	2500	780
	5		322	2620	2010	4952	ND	690	6800	7000	810
	9		9.85	191	220	420.85	ND	70	190	320	280
	9.5		12.7	513	486	1011.7	ND	82	240	550	300
BS-15	1	6/19/2002	ND	ND	ND	ND	ND	ND	ND	ND	ND
	5		ND	ND	ND	ND	ND	ND	ND	ND	ND
BS-16	1 5	6/19/2002	ND ND	ND ND	ND ND	ND ND	NS NS	NS NS	NS NS	NS NS	NS NS
BS-17	1	6/19/2002	ND	ND	ND ND	ND	NS	NS	NS	NS	NS
53-17	5	0/19/2002	ND	ND	ND	ND	NS	NS	NS	NS	NS
	10		ND	ND	ND	ND	NS	NS	NS	NS	NS
BS-18	1	6/19/2002	ND	114	813	927	NS	NS	NS	NS	NS
	5		ND	ND	ND	ND	NS	NS	NS	NS	NS
	9	*	ND	ND	ND	ND	NS NS	NS	NS	NS	NS
BS-19	1	6/19/2002	ND	83.9	635	718.9	NS	NS	NS NS	NS	NS
1	5		ND	ND	ND	ND	NS	NS	ŃЗ	NS	NS
	9		ND	ND	ND	ND	NS	NS	NS	NS	NS
BS-20	1	6/19/2002	ND	ND	ND	ND	NS	NS	NS	NS	NS
	5		ND	ND	ND	ND	NS	NS	NS	NS	NS
70.01	9		ND	ND	ND	ND	NS	NS	NS	NS	NS
BS-21	1	6/19/2002	ND	ND	ND	ND	NS	NS	NS	NS	NS
BS-22	5	6/19/2002	ND ND	ND ND	ND ND	ND ND	NS NS	NS NS	NS NS	NS NS	NS NS
55-22	5	0/10/2002	ND	ND	ND	ND	NS	NS	NS	NS NS	NS
	9		ND	ND	ND	ND	NS	NS	NS	NS	NS
BS-23	2	6/19/2002	ND	ND	318	318	ND	ND	ND	ND	ND
4	5		ND	311	714	1025	ND	ND	ND	ND	ND
	9.5		ND .	ND	ND	ND	ND	76	ND	ND	ND
BS-24	3	6/19/2002	ND	ND	84.4	84.4	NS	NS	NS	NS	NS
1	5		ND	315	1400	1715	NS	NS	NS	NS	NS
70.00	10	014017777	ND	74.2	180	254.2	NS	NS	NS	NS	NS
BS-25	5.5 9	6/18/2002	ND	65.8 ND	416	481.8	NS NS	NS NS	NS	NS	NS
DC 27		6/40/2022	ND	ND	33 ND	33 ND	NS	NS	NS	NS	NS
BS-27	4 9	6/19/2002	ND ND	ND ND	ND ND	ND ND	NS NS	NS NS	NS NS	NS NS	NS NS
BS-28	1	6/19/2002	ND	ND	27.1	27.1	ND ND	ND	ND ND	ND ND	ND
30 20	5	0/10/2002	ND	ND	ND	ND	ND	ND	ND	ND ND	ND
BS-29	6.5	6/18/2002	ND	ND	ND	ND	NS	NS	NS	NS	NS
	9		ND	ND	ND	ND	NS	NS	NS	NS	NS
BS-31	6.5	6/18/2002	ND	ND.	ND	ND	NS	NS	NS	NS	_

Delta Environmental Consultants, Inc.

## TABLE 3 SUMMARY OF TPH CONCENTRATIONS IN SOIL - JUNE 2002 FORMER LINE 90 BISTI PUMP STATION BISTI, NEW MEXICO

Sample	Sample	Date	TPH	TPH	TPH	TPH	Benzene	Toluene	Ethyl	m,p-Xylene	o-Xylene
Number	Depth (ft)	Sampled	C6-C10	C10-C22	C22-C36	Total			Benzene		
			mg/Kg	mg/Kg	mg/Kg	mg/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg	ug/Kg
	8.5		ND	ND	ND	ND	NS	NS	NS	NS	NS
BS-32	6	6/18/2002	ND	ND	ND	ND	NS	NS	NS	NS	NS
	8.5		ND	ND	ND	ND	NS	NS	NS	NS	NS
BS-33	1	6/19/2002	ND	ND	125	125	NS	NS	NS	NS	NS
	5		ND	ND	ND	ND	NS	NS	NS	NS	NS
	8		ND .	ND	ND	ND	NS	NS	NS	NS	NS
BS-34	1	6/19/2002	ND	ND	ND	ND	ND	ND	ND	- ND	ND
	5		ND	ND	38	38	ND	ND	ND	ND	ND
BS-35	1	6/19/2002	ND	ND	ND -	ND	ND	ND	ИĎ	ND	ND
8	5		ND	ND	ND	ND	ND	ND	ND	ND	ND
BS-36	1	6/19/2002	ND	ND	ND	ND	ND	ND	ND	ND	ND
	5		ND	ND	ND	ND	ND	ND	ND	ND	ND
BS-37	1	6/19/2002	ND	ND	ND	ND	ND	ND	ND	ND	ND
	5		ND	ND	ND	ND	ND	ND	ND	ND	ND
BS-39	4	6/18/2002	ND	ND	219	219	NS	NS	NS	NS.	NS
	9 .		ND	ND	ND	ND	NS	NS	NS	NS	NS
BS-40	1	6/19/2002	ND	ND	106	106	NS	NS	NS	NS	NS
	5		ND	ND	ND	ND	NS	NS	NS	NS	NS
	10		ND	ND	ND	ND	NS	NS	NS	NS	NS
BS-42	6.5	6/20/2002	ND	ND	ND	ND	ND	ND	ND	ND	ND
	11.5		ND	ND	ND	ND	NS	NS	NS	NS	NS
	16		ND	ND	ND	ND	NS	NS	NS	NS	NS
	21		ND	50	360	410	NS	NS	NS	NS	NS

#### Notes:

ND

NA Indicates sample was not analyzed for this parameter.

Indicates non detect at or above the laboratory reporting limits. See laboratory analytical reports for reporting limits.

ug/kg micrograms per kilogram mg/kg milligrams per kilogram

## TABLE 4 SUMMARY OF PAH CONCENTRATIONS IN SOIL - JUNE 2002 FORMER LINE 90 BISTI PUMP STATION BISTI, NEW MEXICO

														-				
Sample Number	Sample Depth	Date Sampled	S Naphthalene	ය දුරි රි	a Anthracene කි	3 S Fluoranthene කි	Sy Fluorene	By/ga by/rene	Benzo(a)anthracene	Benzo(a)pyrene	යි Benzo(b)fluoranthene රි	යි Benzo(k)fluoranthene රි	ਤ ਨੂੰ Chrysene ©	යි Dibenzo(a,h)anthracene යි	Indeno (1,2,3-cd)pyrene	র Acenaphthylene জ	g Benzo(g.h.l)perylene a	S Phenanthrene
BS-7	1	6/18/02	ND	ND	ND	0.0306	ND	0.016	ND	0.011	0.0117	ND	ND ND	ND	ND	ND	ND	0.0306
55-7	5	0/10/02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.0306 ND
	9.5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BS-10	1	6/18/02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
20 10	5	0110102	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	10		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BS-12	1	6/18/02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.51
	5		5.69	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	4.12
	9		0.176	ND	ND	ND	ND	ND	ND	ND	. ND	ND	ND	ND	ND	ND	ND	0.207
	9.5		0.294	ND	ND	ND .	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.406
BS-15	1	6/19/02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	5		ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BS-23	2	6/19/02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	5	187	ND	ND	ND	0.0686	ND	0.0306	ND	0.00366	0.00966	ND	ND	ND	ND	ND	ND	ND
	9.5		. ND	ND	ND .	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND ·	ND
BS-28	1	6/19/02	ND	ND	ND	0.025	ND	0.013	0.007	ND	0.009	ND	0.005	ND	ND	ND	ND	ND
	5		ND	ND	ND	ND	- ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BS-34	1	6/19/02	ND	ND	ND	0.049	ND	0.019	0.0166	0.0183	0.0193	0.00899	0.0107	ND	ND	ND	ND	ND
	5		ND	ND	ND	0.0639	ND	0.044	0.018	0.023	0.0263	0.0113	0.0157	ND	ND	ND	ND	ND
BS-35	1	6/19/02	ND	ND	ND	0.028	ND	ND	0.00666	0.00799	0.00999	0.00999	0.00533	ND	ND	ND	ND	ND
20.00	5	0440400	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BS-36	1	6/19/02	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BS-37	5	6/10/00	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
BO-3/	5	6/19/02	ND ND	ND ND	ND ND	ND	ND	ND	ND ND	ND	ND ND	ND	ND	ND	ND	ND	ND	ND ND
BS-42	6.5	6/20/02	ND	ND	ND	ND ND	ND ND	ND ND	ND	ND ND	ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND ND	ND
50-12	0.0	5/20/02	ND	NU	NU	NU	NU	ND	ND	NU	ND	NU	NU	NU	NU	ND	NO	NU

#### Notes:

ND

NA Indicates sample was not analyzed for this parameter.

Indicates non detect at or above the laboratory reporting limits. See laboratory analytical reports for reporting limits.

mg/kg Indicates milligrams per kilogram

District 1 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

State of New Mexico Energy Minerals and Natural Resources DEC 1 5 2ih Conservation Division 1220 South St. Francis Dr. District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505 OIL CONSERVASanta Fe, NM 87505

Revised March 17, 1999

Submit Original Plus 1 Copy to Appropriate District Office

Form C-138

LIVISION REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

REQUEST FOR ATTROVAE TO RECEI	I DOLLD TITLDID
1. RCRA Exempt: □ Non-Exempt: ⊠	Generator .     Atlantic Richfield Company
Verbal Approval Received: Yes No	5. Originating Site ARCO Pump Station
2. Management Facility Destination: JFJ Landfarm L.L.C. DEC 2000	6 Transporter: Industrial Ecosystems Inc.
3. Address of Facility Operator: Industrial Ecosystems Inc. P.O. Box 2043 Farmington, N.M. 87499	8 State: AZ
7. Location of Material (Street Address or ULSTR)  Located in a remote area within the Navajo Nation on Navajo Route 20, south of the community of Tonalea and US Highway 160, approximately 1 mile south of Red Lake	
9. Circle One:  A. All requests for approval to accept oilfield exempt wastes will be accompanied by one certificate per job.  B. All requests for approval to accept non-exempt wastes must be accompanied by material is not-hazardous and the Generator's certification of origin. No waste class approved  All transporters must certify the wastes delivered are only those consigned for transporters must certify the wastes delivered are only those consigned for transporters of recent drilling activities during the installation of 4 monitoring wells. Analytical	ecessary chemical analysis to PROVE the issified hazardous by listing or testing will be cort.
Source of contamination is non-processed Crude Oil.  Estimated Volume 8 Drums Known Volume (to be entered by the operator at the end	i of the haul)
SIGNATURE	
APPROVED BY APPROVED BY TITLE: ENVIRON	Engle DATE 12/13/64 ENGR DATE: 12-16-04

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

## State of New Mexico Energy Minerals and Natural Resources

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Form C-138 Revised March 17, 1999

> Submit Original Plus 1 Copy to Appropriate District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: □ Non-Exempt: ⊠	Generator .     Atlantic Richfield Company
Verbal Approval Received: Yes No	Originating Site     ARCO Pump Station
2. Management Facility Destination: JFJ Landfarm L.L.C.	6. Transporter: Industrial Ecosystems Inc.
3. Address of Facility Operator: Industrial Ecosystems Inc. P.O. Box 2043 Farmington, N.M. 87499	8. State: NAME
7. Location of Material (Street Address or ULSTR)  Located in a remote area within the Navajo Nation on Navajo Route 20, south of the community of Tonalea and US Highway 160, approximately 1 mile south of Red Lake	
9. Circle One:  A. All requests for approval to accept oilfield exempt wastes will be accompanied by one certificate per job.  B. All requests for approval to accept non-exempt wastes must be accompanied by ne material is not-hazardous and the Generator's certification of origin. No waste clarapproved  All transporters must certify the wastes delivered are only those consigned for transpose BRIEF DESCRIPTION OF MATERIAL:  Waste of recent drilling activities during the installation of 4 monitoring wells. Analytical Source of contamination is non-processed Crude Oil.  Estimated Volume 8 Drums Known Volume (to be entered by the operator at the end	ecessary chemical analysis to PROVE the ssified hazardous by listing or testing will be ort.
SIGNATURE	DATE:12/01/04
TYPE OR PRINT NAME: James Hatcher TELEPHONE NO. (50	05) 632-1782
APPROVIDED BY: LEAVE THINKS ENVIRONGED BY:	DATE: 12/13/14



# NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

**BILL RICHARDSON** 

Governor Joanna Prukop Cabinet Secretary Lori Wrotenbery
Director
Qil Conservation Division

CERTIFICATE OF WASTE STATUS

	1. Generator Name and Address	2. Destination Name:
	Atlantic Richfield Company	J.F.J. Landfarm 1287 CT
	501 Westlake Park Blvd.	c/o Industrial Ecosystems Inc.
	Room 17.108	#81 CR 3250
	Houston, TX 77079	Aztec, NM 87410
		Location of the Waste (Street address &/or ULSTR):
	or stagmand sate (mana).	Downson of the Wallet Calent and to be of the training
2	The former ARCO Pump Station (Site) is located in a remote community of Tonalea and U.S. Highway 160, approximately	e area within the Navajo Nation on Navajo Route 20, south of the ly 1 mile south of Red Lake
	4. Source and Description of Waste	
	Waste if recent drilling activities during the installation of 4 hazardous. Source of contamination is non-processed Crud	monitoring wells. Analytical data indicates the material is non le Oil.
I,	John Donchesser	representative for: Atlantic Richfield Co.
-	Print Name	1
		cording to the Resource Conservation and Recovery Act (RCRA)
and Env	vironmental Protection Agency's July, 1988, regulatory determ	ination, the above described waste is: (Check appropriate
classific	cation)	
	EXEMPT oilfield waste X NON-E	EXEMPT oilfield waste which is non-hazardous by characteristic
	analysis or b	y product identification
and tha	t nothing has been added to the exempt or non-exempt non -h	azardous waste defined above.
For NO	N-EXEMPT waste the following documentation is attached	
		Other (description
	X_RCRA Hazardous Waste Analysis	
	_XChain of Custody	
		The state of the s
	aste is in compliance with Regulated Levels of Naturally O 3.1 subpart 1403.C and D.	ccurring Radioactive Material (NORM) pursuant to 20
Name (	Original Signature):	
	AGN4 by ARC	
Title:_	1'19WT DE MAL	
Date:	12-1-04	
		Nã.

Phone: 604.469.0333. Fax: 504.469.0565



Report of Laboratory Analysis
Project Number: 2038496





Client ID: DRUMS #1,2, AND 3

Project: BP-TONALEA PUMP STATION

### **Report of Laboratory Analysis**

Pace Analytical Services, Inc. 1000 Riverbeat Bhai, Salto F. Samt Rose, LA 79087

Prone: 504,469,0333 Pax: 504,469,0555

Client: Delta Environmental Consulting

Site: None

Project No.: 2038496

Sample Qu:

Matrix: Soil

% Moisture: Not Corrected

Lab ID: 20293502 Description: None

Prep Level: Soil

Batch: 48736

Method: SW 8015B TPH Diesel & Oil Range Organics

Units: mg/kg

Target List: TPHLOW

Collected: 08/31/04

Received: 09/03/04

Prep Factor: 1

Leached: n/a

Prepared: 09/07/04

Analyzed: 09/08/04

15:46 DGS

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit	Reg. Limit
	TPH - Diesel Range Organics (C10-C28)	1	ND		10.0	
	TPH - Oil Range Organics (>C28-C40)	1	ND		50.0	



Pace Analytical Services, Inc. 1900 Riverbeed Bird, Soile F Samt Rose, LA 79087

> Prone: 504,469,0333 Paic 504,469,0556

Client: Delta Environmental Consulting

Site: None

Project No.: 2038496

Sample Qu:

Matrix: Soil

% Moisture: Not Corrected

Lab ID: 20293502

Description: None

Prep Level: Soil

Batch: 48905

Method: SW 8015B TPH Gasoline Range Organics (C6-

Leached: n/a

Project: BP-TONALEA PUMP STATION

Units: ug/kg

Target List: TPHGPTMED

C10)

Client ID: DRUMS #1,2, AND 3

Collected: 08/31/04

Received: 09/03/04

Prepared: 09/10/04

Analyzed: 09/14/04

02:55 LAE

,						
CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit	Reg. Limit
	TPH - Gasoline Range Organics (C6-C10)	1	ND		2500	

1 compound(s) reported

Prep Factor: 1



Pace Analytical Services, Inc. 1000 Riverbead Blied, Salte F. Samt Rose, LA 79087

> Phone: 504,469,0333 Fax: 504,469,0555

> > 02:55 LAE

Client: Delta Environmental Consulting

Site: None

Sample Qu:

Project No.: 2038496 Matrix: Soil

% Moisture: Not Corrected

Lab ID: 20293502 Description: None

Client ID: DRUMS #1,2, AND 3

Prep Level: Soil

Batch: 48904

Method: SW 8021 BTEX

Project: BP-TONALEA PUMP STATION

Units: ug/kg

Target List: BTEXMED

Collected: 08/31/04

Received: 09/03/04

Prep Factor: 1

Leached: n/a

Prepared: 09/10/04

Analyzed: 09/14/04

Reporting Reg. CAS Number Parameter Dilution Limit Limit Result Qu 71-43-2 Benzene ND 25.0 100-41-4 Ethylbenzene ND 25.0 1 108-88-3 Toluene ND 25.0 m,p-Xylene 1330-20-7 1 ND 50.0 95-47-6 o-Xylene ND 25.0



Pace Analytical Services, foc. 1000 Riverbead Blied, Soite F. Saint Rose, LA 70087

> Pricre: 504,469,0333 Fax: 504.469.8555

Client: Delta Environmental Consulting

Site: None

Project No.: 2038496

Sample Qu:

Lab ID: 20293503

Client ID: DRUMS #4,5, AND 6

Project: BP-TONALEA PUMP STATION

Matrix: Soil

% Moisture: Not Corrected

Description: None

Prep Level: Soil

Batch: 48736

Method: SW 8015B TPH Diesel & Oil Range Organics

Units: mg/kg

Target List: TPHLOW

Collected: 08/31/04

Received: 09/03/04

Prep Factor: 1

Leached: n/a

Prepared: 09/07/04

Analyzed: 09/08/04

16:12 DGS

					Reporting	Reg.
CAS Number	Parameter	Dilution	Result	Qu	Limit	Limit
	TPH - Diesel Range Organics (C10-C28)	1	ND		10.0	
	TPH - Oil Range Organics (>C28-C40)	1	ND		50.0	



Lab ID: 20293503

Client ID: DRUMS #4,5, AND 6

Project: BP-TONALEA PUMP STATION

### Report of Laboratory Analysis

Paca Analytical Services, Inc. 1900 Riverbedd Bird, Salte F Saint Rose, LA 70087

> Prone: 504,469,0333 Paic 504,469,0556

Client: Delta Environmental Consulting

Site: None

Project No.: 2038496 Sample Qu:

Matrix: Soil % Moisture: Not Corrected

Description: None Prep Level: Soil Batch: 48905

Method: SW 8015B TPH Gasoline Range Organics (C6- Units: ug/kg Target List: TPHGPTMED

Collected: 08/31/04 Received: 09/03/04

Prep Factor: 1 Leached: n/a Prepared: 09/10/04 Analyzed: 09/14/04 00:26 LAE

CAS Number Parameter Dilution Result Qu Limit Limit

TPH - Gasoline Range Organics (C6-C10) 1 ND 2500



Paca Analytical Services, too. 1000 Riverbead Bkd, Salte F. Saint Rose, LA 79087

> Phone: 504,469,0333 Parc 504,469,0565

Client: Delta Environmental Consulting

Site: None

Project No.: 2038496

Sample Qu:

Lab ID: 20293503

Matrix: Soil

% Moisture: Not Corrected

Description: None

Prep Level: Soil

Batch: 48904

Method: SW 8021 BTEX

Client ID: DRUMS #4,5, AND 6

Project: BP-TONALEA PUMP STATION

Units: ug/kg

Target List: BTEXMED

Collected: 08/31/04

Received: 09/03/04

Prep Factor: 1

Leached: n/a

Prepared: 09/10/04

Analyzed: 09/14/04

00:26 LAE

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit	Reg. Limit
71-43-2	Benzene	Diation	ND	Qu	25.0	Lime
100-41-4	Ethylbenzene	1	ND		25.0	
108-88-3	Toluene	1	ND		25.0	
1330-20-7	m,p-Xylene	1	ND		50.0	
95-47-6	o-Xylene	1	ND		25.0	



Client ID: DRUMS #7 AND 8

Project: BP-TONALEA PUMP STATION

### Report of Laboratory Analysis

Paca Analytical Services, Inc. 1900 Riverberd Bird, Softe F Saint Rose, LA 70087

> Proper 504,169,0333 Fax: 50.6469,0535

Client: Delta Environmental Consulting

Site: None

Site. Ivon

Project No.: 2038496

Sample Qu:

Matrix: Soil

Sample Qu.

% Moisture: Not Corrected

Description: None

Lab ID: 20293504

Prep Level: Soil

Batch: 48736

Total

Method: SW 8015B TPH Diesel & Oil Range Organics

Units: mg/kg

Target List: TPHLOW

Collected: 08/31/04

Received: 09/03/04

Prep Factor: 1

Leached: n/a

Prepared: 09/07/04

Analyzed: 09/08/04

08/04 16:37 DGS

					Reporting	Reg.
CAS Number	Parameter	Dilution	Result	Qu	Limit	Limit
	TPH - Diesel Range Organics (C10-C28)	1	342.		10.0	
	TPH - Oil Range Organics (>C28-C40)	1	ND		50.0	



Paca Analytical Sarvices, Inc. 1900 Riverbedt 8Kd, Solte F Salnt Rose, LA 79087

> Proper 504,469,0333 Paic 504,469,0656

Client: Delta Environmental Consulting

Site: None

Project No.: 2038496

Sample Qu:

Lab ID: 20293504

Client ID: DRUMS #7 AND 8

Project: BP-TONALEA PUMP STATION

Matrix: Soil

% Moisture: Not Corrected

Description: None

Prep Level: Soil

Batch: 48905

escription itone

Method: SW 8015B TPH Gasoline Range Organics (C6-

Units: ug/kg

Target List: TPHGPTMED

C10)

Collected: 08/31/04

Received: 09/03/04

Prep Factor: 1

Leached: n/a

Prepared: 09/10/04

Analyzed: 09/14/04

03:59 LAE

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit	Reg. Limit
	TPH - Gasoline Range Organics (C6-C10)	1	ND		2500	



Pace Analytical Services, foc. 1000 Riverbead Bhrd, Salte F Saint Rose, LA 70057

Phone: 504,/59,0333 Paic 504,/69,0535

Client: Delta Environmental Consulting

Site: None

Project No.: 2038496

Sample Qu:

Matrix: Soil

% Moisture: Not Corrected

Batch: 48904

Description: None

Prep Level: Soil

Target List: BTEXMED

Method: SW 8021 BTEX

Lab ID: 20293504

Client ID: DRUMS #7 AND 8

Project: BP-TONALEA PUMP STATION

Units: ug/kg Collected: 08/31/04

Received: 09/03/04

Prep Factor: 1

Leached: n/a

Prepared: 09/10/04

Analyzed: 09/14/04

03:58 LAE

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit	Reg.
71-43-2	Benzene	1	ND		25.0	
100-41-4	Ethylbenzene	1	ND		25.0	
108-88-3	Toluene	1	ND		25.0	
1330-20-7	m,p-Xylene	1	ND		50.0	
95-47-6	o-Xylene	1	ND		25.0	

<sup>5</sup> compound(s) reported



Pace Analytical Services, Inc. 1000 Riverbeat Bird, Salte F. Samt Rose, LA 79087

> Phone: 504,469,0333 Parc 504,469,0555

Client ID: DRUMS #1,2, AND 3

Project: BP-TONALEA PUMP STATION

Lab ID: 20293502

Description: None

Client: Delta Environmental Consulting

Site: None

Project No.: 2038496

Matrix: Soil

%Moisture: Not Corrected

Collected: 08/31/04

Received: 09/03/04

		8					Reporting			Reg
ParameterName	Method	Batch	DF	Result	Qu	Units	Limit	Prep.	Analysis	Lim
Flashpoint	SW 1010 (mod	48690	1	100.	GT C3	deg C			07-Sep-04 11:45	VJG
pH	SW 9045	48693	1	6.92	C3	S.U.			07-Sep-04 16:20	VJG

2 parameter(s) reported

ND denotes Not Detected at or above the adjusted reporting limit. ND denotes Not Detected at or above the adjusted reporting limit.

DF denotes Dilution Factor of final sample. PF denotes sample Prep Factor which accounts for a non-routine sample size. Reporting Limit is corrected for sample size, dilution and moisture content if applicable.

Qu lists qualifiers. Specific qualifiers are defined at the end of the report.

For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.

(1a) pH less than 2.0 or greater than 12.5 is hazardous for corrosivity.
(1b) Flash point less than 140 degrees F is hazardous for ignitibility.

(ie) Reactive cyanide above 250 ppm is hazardous for reactivity.

(1d) Reactive sulfide above 500 ppm is hazardous for reactivity.

Ethylene is a common synonym for the IUPAC standard ethene in all compounds with this functional group.

methyl ethyl keytone is a synonym for 2-butanone o,m,p-cresol are synonyms for 2,3,4-methylphenol, respectively. Hexachlorobutadiene is hexachloro-1,3-butadiene

Laboratory Certifications:
Louisiana Dapt. of Health and Hospitals (ELAP)/Drinking Water LA 030013
Florida Dapt. of Health/Hazardous Waste - E87595
Kanssa Dept. of Health & Environment/ELWHW - E-10266
LELAP INELAP WW/HZ - 02006
EQB - Certified Puerto Rico Chemist
U.S. Dapt. of Agriculture Animal & Plant Health Inspection Services Foreign Soil Import (U.S. Territories)



Pace Analytical Services, Inc. 1000 Riverbead Bhai, Suite F. Samt Rose, LA 70087

> Prices: 504, 469, 0333 Fax: 504,469,0556

Client ID: DRUMS #4,5, AND 6

Client: Delta Environmental Consulting

Project: BP-TONALEA PUMP STATION

Site: None

Lab ID: 20293503

Project No.: 2038496

Description: None

Matrix: Soil

%Moisture: Not Corrected

Collected: 08/31/04

Received: 09/03/04

	Reporting								Reg.	
ParameterName	Method	Batch	DF	Result	Qu	Units	Limit	Prep.	Analysis	Limit
Flashpoint	SW 1010 (mod	48690	1	100.	GT C3	deg C			07-Sep-04 11:45	VJG
pH	SW 9045	48693	1	7.39	C3	S.U.			07-Sep-04 16:20	VJG

2 parameter(s) reported

ND denotes Not Detected at or above the adjusted reporting limit.

DF denotes Dilution Factor of final sample. PF denotes sample Prep Factor which accounts for a non-routine sample size. Reporting Limit is corrected for sample size, dilution and moisture content if applicable.

Qu lists qualifiers. Specific qualifiers are defined at the end of the report.

For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.

(1a) pH less than 2.0 or greater than 12.5 is hazardous for corrosivity.

(1b) Flash point less than 140 degrees F is hazardous for ignitibility.

(1c) Reactive cyanide above 250 ppm is hazardous for reactivity. (1d) Reactive sulfide above 500 ppm is hazardous for reactivity.

Ethylene is a common synonym for the IUPAC standard ethene in all compounds with this functional group. methyl ethyl keytone is a synonym for 2-butanone

o,m,p-cresol are synonyms for 2,3,4-methylphenol, respectively. Hexachlorobutadiene is hexachloro-1,3-butadiene

Laboratory Certifications:
Leuisiana Dept. of Health and Hospitals (ELAP)/Drinking Water LA 030013
Florida Dept. of Health/Hazardous Waste - £87595
Kansas Dept. of Health & Environment/ELWHW - E-10266
LELAP (NELAP WW/HZ) - 02006
ECB - Certified Puerto Rico Chemist
U.S. Dept. of Agriculture Animal & Plant Health Inspection Services Foreign Soil Import (U.S. Territories)



Pace Analytical Services, Inc. 1000 Riverbead Blief, Salte F. Saint Rose, LA 79087

> Priche: 504,469,0333 Fax: 504.469.0555

Client ID: DRUMS #7 AND 8

Client: Delta Environmental Consulting

Project: BP-TONALEA PUMP STATION

Site: None

Lab ID: 20293504

Project No.: 2038496

Description: None

Matrix: Soil

%Moisture: Not Corrected

Collected: 08/31/04

Received: 09/03/04

							Reporting				Reg.
ParameterName	Method	Batch	DF	Result	Qu	Units	Limit	Prep.	Analysis		Limit
Flashpoint	SW 1010 (mod	48690	1	100.	GT C3	deg C			07-Sep-04 11:45	VJG	
pH	SW 9045	48693	1	8.08	C3	S.U.			07-Sep-04 16:20	VJG	

2 parameter(s) reported

ND denotes Not Detected at or above the adjusted reporting limit. DF denotes Dilution Factor of final sample. PF denotes sample Prep Factor which accounts for a non-routine sample size. Reporting Limit is corrected for sample size, dilution and moisture content if applicable. Qu lists qualifiers. Specific qualifiers are defined at the end of the report.

For moisture results, wet denotes result is not corrected for moisture and n/a denotes not applicable.

(1a) pH less than 2.0 or greater than 12.5 is hazardous for corrosivity.

(1b) Flash point less than 140 degrees F is hazardous for ignitibility.

(1c) Reactive cyanide above 250 ppm is hazardous for reactivity.
(1d) Reactive sulfide above 500 ppm is hazardous for reactivity.

Ethylene is a common synonym for the IUPAC standard ethene in all compounds with this functional group, methyl ethyl keytone is a synonym for 2-butanone

o,m,p-cresol are synonyms for 2,3,4-methylphenol, respectively. Hexachlorobutadiene is hexachloro-1,3-butadiene

Laboratory Certifications:
Leuisiana Dept. of Health and Hospitals (ELAP)/Drinking Water LA 030013
Florida Dept. of Health/Hazardous Wasts - E87595
Florida Dept. of Health/Hazardous Wasts - E87595
Kamses Dept. of Health & Environment/ELWHW - E-10266
LELAP (NELAP WW/HZ) - 02006
ECB - Certified Puerto Rico Chemist
U.S. Dept. of Agriculture Animal & Plant Health Inspection Services Foreign Soil Import (U.S. Territories)



Pace Analytical Services, Inc. 1000 Riverbeed Bled, Salte F Saltt Rose, LA 79067

Protec 504,769,0333 Paic 504,769,0555

Method: Low Soil GC Organics

Project: 2038496

Batch: 48736

LCS: 48736S1

9/8/2004 12:23:00 PM

Units: mg/kg

MS: 48736MS

9/8/2004 1:14:00 PM

Parameter Name

LCS Spike

LCS LCSD LCS %Rec %Rec RPD

MS Spike

MS MSD (1)MS DUP %Rec

**QC** Limits %Rec RPD RPD LCS MS/MSD

Max Qu RPD

TPH - Diesel Range Organics (C10-C2

81

40

56 - 138 0 - 178

50

\* denotes recovery outside of QC limits.

MS spike concentrations are not corrected for moisture content of the spiked sample.

(1) MS RPD is calculated via SW-846 rules: on the basis of spiked sample concentrations rather than spike recoveries.

Laboratory Certifications:
Louisiana Dept. of Health and Hospitals (ELAP)/Drinking Water LA 030013
Florids Dept. of Health/Hazardous Waste - E87595
Kansss Dept. of Health & Environmen/ELWHW - E-10266
LELAP (NELAP WW/HZ) - 02006
EQB - Certified Puerto Rico Chemist
U.S. Dept. of Agriculture Animal & Plant Health Inspection Services Foreign Soil Import (U.S. Territories)



Pace Analytical Services, Inc. 1900 Riverbead Bhai, Safte F Saint Rose, LA 79067

> Phone: 504,489,0333 Parc 504-469-0655

Method: Low Soil GC Organics

Project: 2038496

Batch: 48736

LCS: 48736S2

9/8/2004 9:43:00 PM

Units: mg/kg

MS:

Parameter Name

LCS Spike

LCS LCSD LCS %Rec %Rec RPD

MS Spike

MS %Rec

MSD (1)MS DUP

QC Limits

Max

%Rec RPD RPD

LCS MS/MSD RPD

TPH - Diesel Range Organics (C10-C2

400 60 40

56 - 138 0 - 178

50

\* denotes recovery outside of QC limits.

MS spike concentrations are not corrected for moisture content of the spiked sample.
(1) MS RPD is calculated via SW-846 rules: on the basis of spiked sample concentrations rather than spike recoveries.

9/20/2004 10:58:37

Laboratory Certifications:
Lauksiana Dept. of Health and Hospitals (ELAP)/Drinking Water LA 030013
Florida Dept. of Health/Hazardous Waste - E87595
Kansas Dept. of Health & Environmen/ELWHW - E-10266
LELAP (NELAP WW/HZ) - 02006
EQB - Cartified Puerto Rico Chemist
U.S. Dept. of Agriculture Animal & Plant Health Inspection Services Foreign Soil Import (U.S. Territories)



Paca Analytical Services, Inc. 1000 Riverbead Blief, Softe F. Sant Rose, LA 70097

> Phone: 504,469,0333 Fax: 50%,469,0585

Method: Med Soil GC Organics

Project: 2038496

Batch: 48905

LCS: 48905S1

9/14/2004 2:34:00 AM

Units: ug/kg

MS: 48905MS

9/14/2004 3:16:00 AM

Parameter Name

LCS Spike

LCS LCSD LCS %Rec %Rec RPD

MS Spike %Rec

MSD (1)MS DUP %Rec RPD RPD

QC Limits LCS MS/MSD

Qu RPD

TPH - Gasoline Range Organics (C6-C

25000 95 25000

86

48 - 147 27 - 150

\* denotes recovery outside of QC limits.

MS spike concentrations are not corrected for moisture content of the spiked sample.

(1) MS RPD is calculated via SW-846 rules: on the basis of spiked sample concentrations rather than spike recoveries.

9/20/2004 10:58:37

Laboratory Certifications:
Louisiana Dept. of fleatth and Hospitals (ELAP)/Drinking Water LA 030013
Florida Dept. of Health/Hazardous Waste - E87595
Kansas Dept. of Health & Environmen/ELWHW - E-10266
LELAP (NELAP WW/HZ) - 02006
EQB - Certifiad Puerto Rico Chemist
U.S. Dept. of Agriculture Animal & Plant Health Inspection Services Foreign Soil Import (U.S. Territories)



Pace Analytical Services, Inc. 1000 Riverbead Blird, Softe F Saint Rose, LA 70087

> Phone: 504,469,6333 Fax: 504,469,0555

Method: Med Soil GC Volatile Organics

Project: 2038496

Batch: 48904

LCS: 20294183 9/13/2004 9:36:00 PM

Units: ug/kg

MS:

Parameter Name	LCS Spike	LCS %Rec	LCSD %Rec	LCS RPD	MS Spike	MS %Rec	(1)MS RPD	DUP RPD	QC LCS	Limits MS/MSD	Max RPD	Qu
Benzene	2:	5 113							30 - 1	50 -		
Ethylbenzene	2:	105							30 - 1	50 -		
Methyl tert-butyl ether (MTBE)	2:	120							30 - 1	50 -		
Toluene	2:	109							30 - 1	50 -		
m,p-Xylene	50	101							30 - 1	50 -		
o-Xylene	25	90							30 - 1	50 -		

<sup>\*</sup> denotes recovery outside of QC limits.

MS spike concentrations are not corrected for moisture content of the spiked sample.

(1) MS RPD is calculated via SW-846 rules: on the basis of spiked sample concentrations rather than spike recoveries.



Pace Analytical Services, Inc. 1000 Riverbead Bird, Sone F Saint Rose, LA 79067

Prone: 504,469,0333 Paic 504,469,0555

Method: Med Soil GC Volatile Organics

Project: 2038496

Batch: 48904

LCS: 48904S1

9/13/2004 5:34:00 PM

Units: ug/kg

MS: 48904MS

9/13/2004 6:16:00 PM

Parameter Name	LCS Spike	LCS %Rec	LCSD %Rec	LCS RPD	MS Spike	MS %Rec	MSD %Rec	(1)MS I			Limits MS/MSD	Max RPD	Qu
Benzene	1000	117			100	0 106	106	0		70 - 128	8 51 - 134	50	
Ethylbenzene	1000	118			100	0 106	106	0	1	81 - 131	1 50 - 153	50	
Methyl tert-butyl ether (MTBE)	1000	108	1		100	0 100	99	1	(	64 - 126	57 - 114	50	
Toluene	1000	112			100	0 101	102	0	8	80 - 132	2 57 - 139	50	
m,p-Xylene	2000	111			200	0 105	106	1	8	88 - 139	61 - 148	50	
o-Xylene	1000	115			100	0 104	105	1	8	88 - 134	50 - 164	50	

<sup>\*</sup> denotes recovery outside of QC limits.

MS spike concentrations are not corrected for moisture content of the spiked sample.
(1) MS RPD is calculated via SW-846 rules: on the basis of spiked sample concentrations rather than spike recoveries.



## **Report of Batch Surrogate Recovery**

Pace Analytical Secvices, Inc. 1000 Riversiona Blvd. Skille F. Saint 17086, LA 70087

Phone: 504,469,9333 FAX: 504,469,9565

Report: 2038496

Batch: 48736

Method: Low Soil GC Organics

Lab ID	Type and Qualifiers	Sur 1 %Rec	Sur 2 %Rec	Sur 3 %Rec	Sur 4 %Rec	Sur 5 %Rec	Sur 6 %Rec	Sur 7 %Rec	Sur 8 %Rec
20292425	Sample	77							
20292426	Sample	73							
20292427	Sample	83							
20292428	Sample	76							
20292429	Sample	80							
20293030	Sample D1	97							
20293031	Sample	62							
20293502	Sample	74							
20293503	Sample	89							
20293504	Sample	73							
48736B1	Blank	82							
48736B2	Blank	72							
48736MS	Spike	82							
48736MSD	Spike Dup	83							
48736S1	LCS	81							
48736S2	LCS	80							
	QC limits:	40-140							

Sur 1: o-Terphenyl (S)

\* denotes surrogate recovery outside of QC limits.

Laboratory Certifications:
Louisiana Dept. of Health and Hospitals (ELAP)/Drinking Water LA 030013
Florida Dept. of Health/Hazardous Waste - E07595
Kansas Dept. of Health & Environment/ELWHW - E-10266
LELAP (NELAP WW/HZ) - 02006
EOB - Cartified Puesto Rico Chemist
U.S. Dept. of Agriculture Animal & Plant Health Inspection Services Foreign Soil Import (U.S. Territories)

Tenders surrogate recovery is outside of QC limits due to sample dilution, and is not considered an excursion.

A Lab ID consisting of a batch number with a B suffix is a method blank.

A Lab ID consisting of a batch number with a S suffix is an LCS.

A Lab ID with a MS suffix is a matrix spike.

A Lab ID with a MSD suffix is a matrix spike duplicate.



## Report of Batch Surrogate Recovery

Pace Analytical Services, inc. 1000 Riverbiand Blvd. Suite F. Spint Rose, LA 70087

> Phone: 504,469,0333 FAX: 504, 459, 0555

Report: 2038496

Batch: 48904

Method: Med Soil GC Volatile Organics

Lab ID	Type and Qualifiers	Sur 1 %Rec	Sur 2 %Rec	Sur 3 %Rec	Sur 4 %Rec	Sur 5 %Rec	Sur 6 %Rec	Sur 7 %Rec	Sur 8 %Rec
20292425	Sample	101	96						
20292426	Sample	100	95						
20292427	Sample G1	369*	328*						
20292428	Sample	103	92						
20292429	Sample	99	86						
20293339	Sample	116	106						
20293502	Sample	97	89						
20293503	Sample	85	77						
20293504	Sample	89	83						
20294368	Sample	92	87						
20294670	Sample	90	84						
20294671	Sample	86	82						
48904B1	Blank	100	94						
48904MS	Spike	100	95						
48904MSD	Spike Dup	97	93						
48904S1	LCS	111	105						
-	QC limits:	70-130	70-130			1/4			

Sur 1: 4-Bromofluorobenzene (PID) (S) Sur 2: 4-Bromofluorobenzene (PID confirmat

<sup>\*</sup> denotes surrogate recovery outside of QC limits.

a denotes surrogate recovery outstace of QC limits. D denotes surrogate recovery is outside of QC limits due to sample dilution, and is not considered an excursion. A Lab ID consisting of a batch number with a B suffix is a method blank. A Lab ID consisting of a batch number with a S suffix is an I.CS. A Lab ID with a MS suffix is a matrix spike. A Lab ID with a MSD suffix is a matrix spike duplicate.



Method: Med Soil GC Organics

## Report of Batch Surrogate Recovery

Pace Analytical Secrioss, inc. 1000 Rivediana Blvd. Suite F. Saint Pose, LA 70087

> Phone: 504,469,0333 FAX: 504.469.0595

Report: 2038496

Batch: 48905

r . L m		0 1 0		C 2	9 4		0 (	0	0 0
Lab ID	Type and Qualifiers		Sur 2 6Rec	Sur 3 %Rec	Sur 4 %Rec	Sur 5 %Rec	Sur 6 %Rec	Sur 7 %Rec	Sur 8 %Rec
20292425	Sample		94						
20292426	Sample		92						
20292427	Sample G1 D1		2543D						
20292428	Sample		101						
20292429	Sample		101						
20292829	Sample		88						
20292830	Sample		80						
20292831	Sample		86						
20292832	Sample		90						
20292833	Sample		76						
20292834	Sample		76						
20292835	Sample		77						
20292836	Sample		74						
20292837	Sample		79						
20292838	Sample		85						
20292839	Sample		90						
20293502	Sample		95						
20293503	Sample		88						
20293504	Sample		87						
20295075	Sample G1		170*						
18905B1	Blank		99						
18905MS	Spike		95						
18905MSD	Spike Dup		97						
18905S1	LCS		99						
0	QC limits:		70-130						

Sur 2: 4-Bromofluorobenzene (FID) (S)

<sup>\*</sup> denotes surrogate recovery outside of QC limits.

D denotes surrogate recovery is outside of QC limits due to sample dilution, and is not considered an excursion.

A Lab ID consisting of a batch number with a B suffix is a method blank.

A Lab ID consisting of a batch number with a S suffix is an LCS.

A Lab ID with a MS suffix is a matrix spike.

A Lab ID with a MSD suffix is a matrix spike duplicate.



Pace Analytical Services, Icc. 1900 Riverbeed Bhal, Suite F Samt Rose, LA 79097

> Priore: 504,469,0333 Paic 504,469,0556

Lab ID: 48736B1

Description: Low Soil Method Blan

Method: Low Soil GC Organics

Project No.: 2038496

Batch: 48736

Units: mg/kg

Prep Factor: 1

Leached:

Prepared: 07-Sep-04

Analyzed: 08-Sep-04 11:57

**DGS** 

					Reporting
CAS Number	Parameter	Dilution	Result	Qu	Limit
	TPH - Diesel Range Organics (C10-C2	1	ND		10.0
	TPH - Oil Range Organics (>C28-C40)	1	ND		50.0

2 compound(s) reported



Pace Analytical Services, Inc. 1000 Rivertiead Bhd, Solle F. Sant Rose, LA 79087

> Proper \$04,469,0333 Fax: 504,469,0655

Lab ID: 48736B2

Description: Low Soil Method Blan

Method: Low Soil GC Organics

Project No.: 2038496

Batch: 48736

Units: mg/kg

Prep Factor: 10

Leached:

Prepared: 07-Sep-04

Analyzed: 08-Sep-04 21:18

**DGS** 

					Reporting	
CAS Number	Parameter	Dilution	Result	Qu	Limit	
	TPH - Diesel Range Organics (C10-C2	1	ND		100.	
	TPH - Oil Range Organics (>C28-C40)	1	ND		500.	

2 compound(s) reported

DF denotes Dilution Factor.
RL denotes sample Reporting Limit.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.



Paca Analytical Services, Inc. 1000 Riverbead Bkai, Salte F Sølnt Rose, LA 79067

> Phone: 504,469,0333 Parc 50 6 463-0555

Lab ID: 48904B1

Description: Med Soil Method Blan

Project No.: 2038496

Method: Med Soil GC Volatile Organics

Batch: 48904

Units: ug/kg

Prep Factor: 1

Leached:

Prepared: 10-Sep-04

Analyzed: 13-Sep-04 16:58

LAE

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit	
71-43-2	Benzene	1	ND		25.0	-A
100-41-4	Ethylbenzene	1	ND		25.0	
1634-04-4	Methyl tert-butyl ether (MTBE)	1	ND		25.0	
108-88-3	Toluene	1	ND		25.0	
1330-20-7	m,p-Xylene	1	ND		50.0	
95-47-6	o-Xylene	1	ND		25.0	

6 compound(s) reported

ND denotes Not Detected at or above the reporting limit.

DF denotes Dilution Factor.
RL denotes sample Reporting Limit.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.



Pace Analytical Services, Inc. 1900 Riverbead Bles, Suite F Saint Rose, LA 79067

> Phone: 504,469,0333 Fax: 504,469,0555

Lab ID: 48905B1

Description: Med Soil Method Blan

Method: Med Soil GC Organics

Project No.: 2038496

Batch: 48905

Units: ug/kg

Prep Factor: 1

Leached:

Prepared: 10-Sep-04

Analyzed: 14-Sep-04 02:12

LAE

CAS Number	Parameter	Dilution	Result	Qu	Reporting Limit	
	TPH - Gasoline Range Organics (C6-C	1	ND		2500	

1 compound(s) reported

ND denotes Not Detected at or above the reporting limit.

DF denotes Dilution Factor.

RL denotes sample Reporting Limit.
Qu lists qualifiers. Specific qualifiers are defined at the end of the report.

9/20/2004 10:58:39

Laboratory Certifications:
Lauksiana Dept. of Health and Hospitals (ELAP)/Drinking Water LA 030013
Florida Dept. of Health/Hazardous Waste - E87595
Kansas Dept. of Health & Environment/ELWHW - E-10266
LELAP (NELAP WW/HZ) - 02006
EQB - Cartifled Puerto Rico Chemist
U.S. Dept. of Agriculture Animal & Plant Health Inspection Services Foreign Soil Import (U.S. Territories)



## **Report of Quality Control**

Pace Analytical Secrices, inc. 1000 Riverband Blvd. Suite F. Saint Rose, LA 70087

> Phone: 50d,469,0333 FAX: 504.469.0595

Project No.: 2038496

### Wet Chemistry Quality Control Results

Parameter	Batch	Blank	ARL	Units	LCS Spike			MS MSD %Rec %Re	, ,		-		RPD Max	Qu
Flashpoint	48690			deg C	27	100				0	95 - 105	5 -	20	
pH	48693			S.U.	6	100				1	99 - 101	-	20	

ARL denotes Adjusted Reporting Limit, corrected for sample size, dilution and moisture content as applicable.

\* denotes recovery outside of QC limits.

(1) MS RPD is calculated via SW-846 rules: on the basis of spiked sample concentrations rather than spike recoveries.



## **Report Qualifiers**

Pece Amelytical Services, inc. 1690 Rivedland Blvd. Suite F Saint Rose, LA 76987

> Phone: 504,469,0333 Pax: 504,469,0355

Project No.: 2038496

	Analyte Qualifiers
Qualifier	Qualifier Description
C3	The result for this parameter is not corrected for moisture content.
GT	The sample result is Greater Than the reported value.

		C	HAIN-	OF-CL	JST	ODY	//Ar	alytica	al Requ	est Doc	ument	
/ Pace Analytical*			Chain-of-C						ds must be con			
www.pacelabs.com	Required Client Information:	Section B	1 [			,	•		80670	17		
Required Client Information: Section A	Jonethan Gre	etis	P	age:	of				80670 ed by Pace Analytic	al and Client	Section C	
Octta Env. Consultants Inc	Copy To: Barry Summ	R+8		tion (Check qu				Quote Reference		-	Lead !	
14520 Old Katy Rd Steloo	J. Greetis		Requested Due	Date:		17 14		Project Manage		Bil	2010	
Houston Tx 77079	P.O.			d times less tha			result in a	Project #:		/3	W.	
	Project Name: Tonglea Pur	no Station	Rush Tume	round Surcharg d Time (TAT) in	e.			Profile #:		26		- Cindeday
Phone \$00-477-7411 Fax	Project Number G 5 - P	P40-1	1			•		Requested Ans		1	7///	
Section D Required Client Information	n: Valid Matrix	Codes 4	9	Q		Preserv	atives		279	/ // 1/		
SAMPLE ID	MATRIX WATER SOIL	ST.	DATE	TIME	8 P	TII	TIT	١.	/1/85	/d/		
*	OIL	OL S	β Ω Ω	FA	Containers	HNO3 HCI	20.00	6	XXXX	07//		
One character per box.  (A-Z, 0-9 /)  Sample IDs MUST BE UNIQU	AIR	AR TS			9 5	2 5 5	NaOH Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> Methanol	A	1427 924	7///	Damaria I	1 =h 115
Sample IDs MUST BE UNIQU	1902 (182 1835)	ISSERIES INCOME	mm/dd/yy			TIT	ZZZZ				/ Remarks /	Lab IU
D 0, 0, 3	BOOKERS BUREAU COMMENS	PATRICINAL DISPRESANCE	Pelitico Pelitico		XX	+++	+++				· · · · · · · · · · · · · · · · · · ·	
20 4 5 6	2	SINSERIA BOND BOND			2 X		+++					
3 D v 5 7 n 6	8	25	०३।३॥०५	1852	XZ	+	4:44					
4					$\perp$							
5												
6												
7												
8												
9							111					
10							+++					
11							+++					
12					$\vdash$	+++	+++					
	GULATORY AGENCY		1051		! 1							T.13.55
□ NC □ SC □ GA □ NPDES □	GROUND WATER	DRINKING WA	TED	INQUISHE					UPS	BY / AFFILIAT		TIME
SAMPLE CONDITION SAMPLE NOTES		☐ Other	15	SCh.	mm	is O	17 W 2	114 1116		4	1/2/04	-
	athan Greetis	-		MA	<u> </u>	•	9/3/	04 1015	Meliss	e-TIMO	h 9.3.04	2015
Breshader to Qui	DAA- 2214 00	c 616-20-1-3	247									
Sealed Cooler WN	red analysis	•	-	************	741			SIGNATURE				
Samples Intact YN requir	red analysis					Name of S	AMPLER:	minut.	,			
Additional Comments:		_			SIGNA	TURE of S	AMPIER:	mv-1		DATE Signed	(MM/DD/YY)	
OŖIGINAL					75	any	Am			19/07		
,					SEE	REVE	RSE SI	DE FOR IN	STRUCTION	IS	Form COCO	01 Rev. 090

APPROVED BY:

## 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

DATE:

DATE:

Submit Original Plus 1 Copy to Appropriate District Office

REQUEST FOR APPROVAL TO ACCEP	T SOLID WASTE
1. RCRA Exempt: □ Non-Exempt: □	4. Generator . S & G Interest
Verbal Approval Received: Yes ☐ No ☒	5. Originating Site Florance AB #4
Management Facility Destination	6. Transporter: Riley Industrial
3. Address of Facility Operator: Industrial Ecosystems Inc. P.O. Box 2043 Farmington, N.M. 87499	8. State: NM
7. Location of Material (Street Address or ULSTR) Florance AB #4	
A. All requests for approval to accept oilfield exempt wastes will be accompanied by one certificate per job.  B. All requests for approval to accept non-exempt wastes must be accompanied by n material is not-hazardous and the Generator's certification of origin. No waste classification approved  All transporters must certify the wastes delivered are only those consigned for transporters.	ecessary chemical analysis to PROVE the assisted hazardous by listing or testing will be
BRIEF DESCRIPTION OF MATERIAL: Tank Bottoms from flowback tanks	
Estimated Volume 60 bbls Known Volume (to be entered by the operator at the 6	end of the haul)
SIGNATURE Waste Management Facility Authorized Agent  TITLE:Manager_	DATE: <u>3/09/04</u>
TYPE OR PRINT NAME: AJ Blair TELEPHONE NO. (50	05) 632-1782
(This space for State Use)	
APPROVED BY:	DATE:

TITLE:

Mar 09 2004 5:20

Dawn Trucking Co.

505-566-1843

p. 1



## NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON Governor

Joanna Prukon Cablact Sceretary

Lori Wrotenbery Director Oil Conservation Division

1	1. Generalor Name and Address	2. Desimation Name.
!	St& Intrest	I.EI.
ľ	3. Originating Site (name):	cation of the Waste (Street address &/or ULSTR):
	Florance AB#4 amoch list of originating sites as appropriate	1 1 18 19 20 21 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
-		- I AMARAMA
	Tank Bottoms from flobact	L'Tauk.
	·	
1k	abent I. Sigle	representative for ;
1	Print Name	
SL	Interests I LTD	do hereby certify that, according to the Resource
Conserv	ation and Recovery Act (RCRA) and Environmental Protection d waste is: (Check appropriate classification)	Agency's July, 1988, regulatory determination, the above
EX	EMPT oilfield wasteNON-EXEMP	T oilfield waste which is non-hazardous by characteristic product identification
		The state of the s
and that	nothing has been added to the exempt or non-exempt non-haz	ardous waste defined above.
Fur. NO	N-EXEMPT waste the following documentation is attached (cl	seck appropriate items):
		er (description
	Chain of Custody	
		No.
This was	ste is in compliance with Regulated Levels of Naturally Occ 3.1 subpart 1403.C and D.	urring Radioactive Material (NORM) pursuant to 20
	Original Signature): 7 Spect 3/9/04	
	The Authority of the Control of the	

### 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

1. RCRA Exempt: Non-Exempt:	Generator . Burlington Resources	
Verbal Approval Received: Yes ☐ No ☒	5. Originating Site Scott 102 S	
Management Facility Destination	6. Transporter: MAR 2004	
3. Address of Facility Operator: Industrial Ecosystems Inc. P.O. Box 2043 Farmington, N.M. 87499	8. State: O O O O O	
7. Location of Material (Street Address or ULSTR) Unit B, Sec 34, T32N, R10W	The company of the co	
A. All requests for approval to accept oilfield exempt wastes will be accompanied one certificate per job.  B. All requests for approval to accept non-exempt wastes must be accompanied by material is not-hazardous and the Generator's certification of origin. No waste approved  All transporters must certify the wastes delivered are only those consigned for transBRIEF DESCRIPTION OF MATERIAL: Impacted soil by coal fines and produced coal well water  Estimated Volume 72 yards Known Volume (to be entered by the operator at the state of the companied of the second part of the companied of the second part of the second	rnceessary chemical analysis to PROVE the classified hazardous by listing or testing will be asport.	
SIGNATURE TITLE: Manage Waste Management Facility Authorized Agent	DATE: <u>3/3/04</u>	
TYPE OR PRINT NAME: AJ Blair TELEPHONE NO. (	(505) 632-1782	
(This space for State Use)		
APPROVED BY: TITLE:	DATE)	
APPROVED BY:TITLE:	DATE:	

From-



## NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

GARY E. JOHNSON
Governor
Betty Rivera
Cabinet Secretary

Lori Wrotenbery
Director
Oil Conservation Division

	1. Generator Name and Address	2. Destination Name:
	Burlington Resources	J.F.J. Landfarm C/o Industrial Ecosystems Inc.
	3401 E 30 <sup>th</sup> . St.	420 CR 3100 Aztec, NM 87410
	Farmington, New Mexico 87499	
	Originating Site (name):	ocation of the Waste (Street address &/or ULSTR):
	D	
	Scott 102 S Unit B, SEC 34, T32N, R10 W	12 B 14 15 16 77
	attach list of originating sites as appropriate  4. Source and Description of Waste	
	Sand Wash. Approximately 30 cu yds sand impacted by coal	fines and produced coal well water
	5.	The sould start the
	J.	
		\$ 1.000 00 CO.
Τ,	Gregg Wurtz representat	tive for :
	Print Name	
Bu	rlington Resources	do hereby certify that, according to the Resource
Conserv	vation and Recovery Act (RCRA) and Environmental Protection	n Agency's July,1988, regulatory determination, the above
describe	ed waste is: (Check appropriate classification)	
Y E	XEMPT oilfield waste NON-EXEM	PT oilfield waste which is non-hazardous by characteristic
		r product identification
		P
and that	nothing has been added to the exempt or non-exempt non -ha	zardous waste defined above.
For NO	N-EXEMPT waste the following documentation is attached (c	hook annuaries is an all
FOFNO		her (description
	RCRA Hazardous Waste Analysis	mer (desertation
	Chain of Custody	
	iste is in compliance with Regulated Levels of Naturally Oc 3.1 subpart 1403.C and D.	curring Radioactive Material (NORM) pursuant to 20
Name (	Original Signature): Treas Munty	
Title:	ENV. Kep	
Date:	1 2/2/04	
-		

APPROVED BY

APPROVED BY:

## 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

DATE:

Submit Original Plus 1 Copy to Appropriate District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE 4. Generator . Non-Exempt: 1. RCRA Exempt: BP No 🛛 Verbal Approval Received: Yes 5. Originating Site Kernigan B #1 6. Transporter: JFJ Landfarm L.L.C. 2. Management Facility Destination Riley Industrial 3. Address of Facility Operator: Industrial Ecosystems Inc. P.O. Box 2043 8. State: Farmington, N.M. 87499 NM 7. Location of Material (Street Address or ULSTR) Kernigan B #1 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: Water and sand washed out of flowback frac tanks Estimated Volume Known Volume (to be entered by the operator at the end of the haul) 10 bbls **SIGNATURE** TITLE: Manager DATE: 3/2/04 Waste Management Facility Authorized Agent TYPE OR PRINT NAME: AJ Blair TELEPHONE NO. (505) 632-1782 (This space for State Use)

TITLE:



GARY E. JOHNSON Governor

Betty Rivera Cabinet Secretary

Lori Wrotenbery Director Oil Conservation Division

CERTIFICATE OF WASTE	STATUS
1. Generator Name and Address 2.	Destination Name:
3. Originating Site (name): Location of the	us +Rial FC0545 fems ne Waste (Street address &/ortULSTR):
Kerpigab B#1 attach list of originating sites as appropriate	
4. Source and Description of Waste	
WATER AND SAND from flowbac	k tank
I, BONNY O. H.'// Print Name	representative for : $\mathcal{B}, \mathcal{P}$
Conservation and Recovery Act (RCRA) and Environmental Protection Agency's J described waste is: (Check appropriate classification)	to hereby certify that, according to the Resource ruly, 1988, regulatory determination, the above
EXEMPT oilfield waste  NON-EXEMPT oilfield waste analysis or by product iden	aste which is non-hazardous by characteristic attification
and that nothing has been added to the exempt or non-exempt non -hazardous waste	e defined above.
For NON-EXEMPT waste the following documentation is attached (check appropr  MSDS InformationOther (descripti  RCRA Hazardous Waste Analysis  Chain of Custody	
This waste is in compliance with Regulated Levels of Naturally Occurring Radi NMAC 3.1 subpart 1403.C and D.	ioactive Material (NORM) pursuant to 20
Name (Original Signature): Bonny O. Hill	
Title: Well Supervisor	
Date: 3-2-2004	

## 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

1. RCRA Exempt: ☐ Non-Exempt: ☐	4. Generator . BP	
Verbal Approval Received: Yes ☐ No ☒	5. Originating Site State GC K #1m	
Management Facility Destination     JFJ Landfarm L.L.C.	6. Transporter: Riley Industrial	
3. Address of Facility Operator: Industrial Ecosystems Inc. P.O. Box 2043 Farmington, N.M. 87499	8. State: On On One	
7. Location of Material (Street Address or ULSTR) State GC K #1m	Const. 3 W.	
9. Circle One:	AERES	
All requests for approval to accept oilfield exempt wastes will be accompanied by	y 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 n material is not-hazardous and the Generator's certification of origin. No waste cla approved	ecessary chemical analysis to PROVE the assified hazardous by listing or testing will be	
All transporters must certify the wastes delivered are only those consigned for transporters	port.	
BRIEF DESCRIPTION OF MATERIAL: Water and sand washed out of flowback frac tanks		
Estimated Volume 10 bbls Known Volume (to be entered by the operator at the entered by	end of the haul)	
SIGNATURE TITLE: Manager TITLE:	DATE: <u>3/2/04</u> _	
TYPE OR PRINT NAME: AJ Blair TELEPHONE NO. (50	05) 632-1782	
(This space for State Use)		
APPROVED BY: TITLE,	DATE:	
APPROVED BY: TITLE:	DATE;	



GARY E. JOHNSON

Governor Betty Rivera Cabinet Secretary Lori Wrotenbery
Director
Oil Conservation Division

CERTIFICATE OF	WASIESTATUS	
1. Generator Name and Address  B, P,	2. Destination	Name:
200 ENORGY CF. 3. Originating Site (name):	Judy F 12: 42 ocation of the Waste (Street address	Co sustoms & dor ULSTR):
5 tate G. C. K * 1 m attach list of originating sites as appropriate		
4. Source and Description of Waste		
water And SAND from	n flowback to	ink
I, Benny O, Hill Print Name	representative for : $\mathcal{B}$	?, P.
Conservation and Recovery Act (RCRA) and Environmental Protectio described waste is: (Check appropriate classification)	do hereby certify that, ac n Agency's July,1988, regulatory de	cording to the Resource termination, the above
EXEMPT oilfield wasteNON-EXEMI analysis or by	T oilfield waste which is non-hazard product identification	dous by characteristic
and that nothing has been added to the exempt or non-exempt non -haz	cardous waste defined above.	
For NON-EXEMPT waste the following documentation is attached (c MSDS InformationOtt RCRA Hazardous Waste Analysis Chain of Custody	heck appropriate items): ner (description	
This waste is in compliance with Regulated Levels of Naturally Occ NMAC 3.1 subpart 1403.C and D.	curring Radioactive Material (NO)	RM) pursuant to 20
Name (Original Signature): Benny O. Hill		
Title: Well Supervisor		
Date: 3-2-2004		

## 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

1. RCRA Exempt: ☐ Non-Exempt: ☐	4. Generator . BP
Verbal Approval Received: Yes ☐ No ☒	5. Originating Site Lindsey A # 1B
Management Facility Destination JFJ Landfarm L.L.C.	6. Transporter: Riley Industrial
3. Address of Facility Operator: Industrial Ecosystems Inc. P.O. Box 2043 Farmington, N.M. 87499	8. State: NM ON
7. Location of Material (Street Address or ULSTR) Lindsey A # 1B	Co Charles and
9. Circle One:  All requests for approval to accept oilfield exempt wastes will be accompanied by one certificate per job.  B. All requests for approval to accept non-exempt wastes must be accompanied by ne material is not-hazardous and the Generator's certification of origin. No waste class approved  All transporters must certify the wastes delivered are only those consigned for transporters must certify the wastes delivered are only those consigned for transporters and sand washed out of flowback frac tanks  Estimated Volume  10 bbls  Known Volume (to be entered by the operator at the entered by the operator at the entered volume)	ecessary chemical analysis to PROVE the ssified hazardous by listing or testing will be ort.
SIGNATURE Manager TITLE: Manager  Waste Management Facility Authorized Agent   TYPE OR PRINT NAME:AJ Blair TELEPHONE NO. (50)	
(This space for State Use)       APPROVED BY:     TITLE:       APPROVED BY:     TITLE:	DATE:  DATE:



GARY E. JOHNSON
Governor
Betty Rivera
Cabinet Secretary

Lori Wrotenbery
Director
Oil Conservation Division

1. Generator Name and Address	2. Destination Name:
D, 7.	
200 INERGY Ct.	INDUSTRIAL Ecosustems
3. Originating Site (name):	Location of the Waste (Street address &/or ULSTR):
attach list of originating sites as appropriate	
4. Source and Description of Waste	
I. Benny O. Hill	owback tank
7	
I, BENNY O. Hill	representative for: BP,
( Print Name	
	do hereby certify that, according to the Resource
Conservation and Recovery Act (RCRA) and Environmental Prote described waste is: (Check appropriate classification)	ction Agency's July, 1988, regulatory determination, the above
	CMPT oilfield waste which is non-hazardous by characteristic by product identification
didiy5i5 O	by product identification
and that nothing has been added to the exempt or non-exempt non-	-hazardous waste defined above.
For <b>NON-EXEMPT</b> waste the following documentation is attached	d (check appropriate items):
MSDS Information	Other (description
RCRA Hazardous Waste Analysis ~ Chain of Custody	
Onum of outlody	
This waste is in compliance with Regulated Levels of Naturally NMAC 3.1 subpart 1403.C and D.	Occurring Radioactive Material (NORM) pursuant to 20
Name (Original Signature): Rannay D. 14.10	
Name (Original Signature): Banny D. H. III  Title: Wo. 11 Supak Vi Sox	- -
Date: 3 - 2 - 2004	-

### 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

RCRA Exempt:	<ul><li>4. Generator .    Basin Disposal</li><li>5. Originating Site    Basin Disposal Facility</li></ul>			
Management Facility Destination	6. Transporter: Basin Disposal			
3. Address of Facility Operator: Industrial Ecosystems Inc. P.O. Box 2043 Farmington, N.M. 87499	8. State: NM			
7. Location of Material (Street Address or ULSTR) 200 Montana BLVD Bloomfield NM 87413				
9. Circle One:  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:  BS&W from settling pond  Known Volume (to be entered by the operator at the end of the haul)				
SIGNATURE Waste Management Facility Authorized Agent	Manager DATE: <u>3/2/04</u>			
TYPE OR PRINT NAME: AJ Blair TELEPHONI	E NO <u>. (505) 632-1782</u>			
(This space for State Use)				
APPROVED BY: TITLE:	DATE:			
APPROVED BY: TITLE:	DATE:			



## NEW MEXICO ENERGY, MINERALS and

## NATURAL RESOURCES DEPARTMENT

Governor Betty Rivera Cabinet Secretary

Lori Wrotenbery Director Oil Conservation Division

## CERTIFICATE OF WASTE STATUS

FEB

	TO TOP TO STATE OF THE PARTY OF
1. Generator Name and Address  BASIN DISGOSA	2. Destination Name:  J.F.J. Landfarm C/o Industrial Ecosystems Inc.  #81 CR 3250 Aztec, NM 87410
Dan's D'	ocation of the Waste (Street, address & for ULSTR):  200 Mon Pail A A & CR 5046  Bloom Field NM 87413
I. Jimny UBARNES Print Name	representative for :
	do hereby certify that, according to the Resource n Agency's July,1988, regulatory determination, the above
and that nothing has been added to the exempt or non-exempt non -haz	zardous waste defined above.
For NON-EXEMPT waste the following documentation is attached (classificationOth	check appropriate items): her (description
This waste is in compliance with Regulated Levels of Naturally Occ NMAC 3.1 subpart 1403.C and D.	curring Radioactive Material (NORM) pursuant to 20
Name (Original Signature): Simultane Title: Plan Manager	2
Date: 3-2-07	

## 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

1. RCRA Exempt: □ Non-Exempt: □		4. Generator . BP	
Verbal Approval Received: Yes No		5. Originating Site Lindsey A # 1B	Common de la commo
Management Facility Destination JFJ Lagrangian	andfarm L.L.C.	6. Transporter: Riley Industrial	0 0 "MAR 2001
3. Address of Facility Operator: Industrial Ecosystems Farmington, N.M. 87499	Inc. P.O. Box 2043	8. State: NM	
7. Location of Material (Street Address or ULSTR) Lindsey A # 1B			No. 11 Comments
9. Circle One:  All requests for approval to accept oilfield exempt wone certificate per job.  B. All requests for approval to accept non-exempt wast material is not-hazardous and the Generator's certification approved  All transporters must certify the wastes delivered are o	es must be accompanied by ne cation of origin. No waste cla	ecessary chemical analys ssified hazardous by listi	is to PROVE the
	my those consigned for transp	ort.	
BRIEF DESCRIPTION OF MATERIAL: Water and sand washed out of flowback frac tanks			
Estimated Volume 10 bbls Known Volume (to be e	ntered by the operator at the e	end of the haul)	
SIGNATURE Waste Management Facility Authorized Agent	TITLE:Manager_	DAT	E: <u>3/2/04</u>
TYPE OR PRINT NAME: AJ Blair	TELEPHONE NO(50	05) 632-1782	
(This space for State Use)			
APPROVED BY:	_ TITLE:	DA	ATE:
APPROVED BY:	TITLE:	DA	ATE:



**GARY E. JOHNSON** 

Governor
Betty Rivera
Cabinet Secretary

Lori Wrotenbery Director Oil Conservation Division

Generator Name and Address	2. Destination Name:
$\mathcal{B}, \mathcal{P}$	
	\$ \\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
920 Funery C+	IUdust Riah Ecosustems
3. Originating Site (name):	ocation of the Waste (Street address &/or ULSTR):
3. Originating Site (name).	beaution of the waste (street address &/of OESTK).
attach list of originating sites as appropriate	
4. Source and Description of Waste	
4. Source and Description of Waste	
1 - 1 - 1 - 0 - 0 - 1	
water And SAND from flowle	pack took
I. ROMAN O Will	representative for: BP
Print Name	Topicoontative for . 10 , 1 ,
	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)	
Ý EXEMPT oilfield waste NON-EXEMP	T oilfield waste which is non-hazardous by characteristic
	product identification
	product identification
*	
and that nothing has been added to the exempt or non-exempt non -haza	ardous waste defined above.
For NON-EXEMPT waste the following documentation is attached (ch	
	er (description
RCRA Hazardous Waste Analysis Chain of Custody	
Chain of Custody	
This waste is in compliance with Regulated Levels of Naturally Occ	unning Padioactive Metarial (NOPM) number to 20
NMAC 3.1 subpart 1403.C and D.	urring Radioactive Material (NORM) pursuant to 20
Name (Original Signature): Kanny O. 14.	×
Name (Original Signature): Banny D. 14. Super Vi 501	
Date: 3 - 2 - 2004	•

### 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

5. Originating Site Kernigan B #1  2. Management Facility Destination JELLandfarm L.L.C. 6. Transporter:	
2 Mary Francharter	
2. Management Facility Destination JFJ Landfarm L.L.C. 6. Transporter: Riley Industrial	
3. Address of Facility Operator: Industrial Ecosystems Inc. P.O. Box 2043 Farmington, N.M. 87499  8. State: NM	
7. Location of Material (Street Address or ULSTR) Kernigan B #1	
9. Circle One:	
All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generato 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 approved	
All transporters must certify the wastes delivered are only those consigned for transport.	
BRIEF DESCRIPTION OF MATERIAL: Water and sand washed out of flowback frac tanks	
Estimated Volume 10 bbls Known Volume (to be entered by the operator at the end of the haul)	
SIGNATURE TITLE: Manager DATE: 3/2/04 Waste Management Facility Authorized Agent	
TYPE OR PRINT NAME: AJ Blair TELEPHONE NO. (505) 632-1782	
(This space for State Use)	
APPROVED BY: TITLE: DATE:	trage subject
APPROVED BY: DATE:	



## GARY E. JOHNSON

Governor
Betty Rivera
Cabinet Secretary

Lori Wrotenbery Director Oil Conservation Division

	Generator Name and Address	2. Destination Name:
	$\mathcal{B}.\mathcal{P}.$	
		12 13 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	200 Finance	Fudus trial Frasmitens
	3. Originating Site (name):	Location of the Waste (Street address &/or/ULSTR):
	J. Originating Site (harte).	Location of the waste (Street address & OFOLSTR).
	12	
	KerDiGAD B#1	
	attach list of originating sites as appropriate	
1	<ol> <li>Source and Description of Waste</li> </ol>	
		AL A
	WATER AND SAND From	Almubrak tank
Ĺ		
-	Print Name	
1, 60	INNA D. Hill	representative for : $\mathcal{B}, \mathcal{F},$
	Print Name	
C	At (DCDA) and Equipment of Durate	do hereby certify that, according to the Resource
	ation and Recovery Act (RCRA) and Environmental Protected waste is: (Check appropriate classification)	tion Agency's July,1988, regulatory determination, the above
describe	d waste is. (Check appropriate classification)	
V EX	EMPT oilfield wasteNON-EXE	MPT oilfield waste which is non-hazardous by characteristic
A		by product identification
	, , , , , , , , , , , , , , , , , , , ,	7 1
and that	nothing has been added to the exempt or non-exempt non -	hazardous waste defined above.
For NO	N-EXEMPT waste the following documentation is attached	
	MSDS Information	Other (description
	RCRA Hazardous Waste Analysis	
	Chain of Custody	
ODI :	11 11 11 11 11 11 11 11 11 11 11 11 11	O D. II M. A I (NODIM)
		Occurring Radioactive Material (NORM) pursuant to 20
NIVIAC	3.1 subpart 1403.C and D.	
NI (/	Outsing Signatural Signatura Signatural Signatura Sign	
rame (C	Original Signature): Down O. Hill	
Title /	vell supervisor	
Title.	ver supervisor	-
Date: 3 - 2 - 2004		

## 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

1. RCRA Exempt: Non-Exempt:	4. Generator . Basin Disposal		
Verbal Approval Received: Yes ☐ No ☒	5. Originating Site Basin Disposal Facility		
Management Facility Destination JFJ Landfarm L.L.C.	6. Transporter: Basin Disposal		
3. Address of Facility Operator: Industrial Ecosystems Inc. P.O. Box 2043 Farmington, N.M. 87499	8. State: MAR 2004		
7. Location of Material (Street Address or ULSTR) 200 Montana BLVD Bloomfield NM 87413	OF CONSTRAY		
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 transporters	ort.		
BRIEF DESCRIPTION OF MATERIAL: BS&W from settling pond			
Estimated Volume 2000 bbls Known Volume (to be entered by the operator at the end of the haul)			
SIGNATURE Waste Management Facility Authorized Agent  TITLE: Manager_	DATE:3/2/04_		
TYPE OR PRINT NAME: AJ Blair TELEPHONE NO. (50.	5) 632-1782		
(This space for State Use)			
APPROVED BY: TITLE:	DATE:		
APPROVED BY: TITLE:	DATE:		



**GARY E. JOHNSON** 

Governor
Betty Rivera
Cabinet Secretary

Lori Wrotenbery Director Oil Conservation Division

MAR 2004

		b and a second and
1. Generator Name and	Address	2. Destination Name: DIST. 3
Cont	01	J.F.J. Landfarm C/o Industrial Ecosystems Inc.
ISASIN.	Disgosal	#81 CR 3250 Aztec, NM 87410
	U	C. LAIE VICA
3. Originating Site (nan	ne):	Location of the Waste (Street address &/or ULSTR):
BASIN D.	,	Location of the Waste (Street address & for ULSTR): 200 Mon MANA AVE CR 5046
		Bloomfield NM 87413
attach list of originating		5100MField NN 8/4/3
4. Source and Descrip	tion of Waste	
RS+W+	RAM Sellling	Pond
00000	Rom Sellling	•
No second de la constantina della constantina de		
. 11 1/5	PARILOG	
1, Simmy 1/15,	EKNO	representative for :
/ Print N	ame	
		do hereby certify that, according to the Resource
Conservation and Recovery Act (	RCRA) and Environmental Pr	rotection Agency's July, 1988, regulatory determination, the above
described waste is: (Check appro		
V		
EXEMPT oilfield waste		N-EXEMPT oilfield waste which is non-hazardous by characteristic
	analysi	is or by product identification
and that nothing has been added t	o the exempt or non-exempt no	on –hazardous waste defined above.
For NON-EXEMPT waste the fo	llowing documentation is attach	ched (check appropriate items):
MSDS Information		Other (description
RCRA Hazardous W	aste Analysis	
Chain of Custody		
This was to be a second to the second	Deviled Novel of Notice	III O
NMAC 3.1 subpart 1403.C and		ally Occurring Radioactive Material (NORM) pursuant to 20
THIRE 3.1 subpart 1403.C and	1	
Name (Original Signature):	in allege	nes/
	are juight	
Title: PAN MIBH	Ager	
222		
Date: 5 - 2 - 07		

### 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

RCRA Exempt:	4. Generator . BP  5. Originating Site State GC K #1m	
Management Facility Destination	6. Transporter: Riley Industrial	
3. Address of Facility Operator: Industrial Ecosystems Inc. P.O. Box 2043 Farmington, N.M. 87499	8. State: NM	
7. Location of Material (Street Address or ULSTR) State GC K #1m		
9. Circle One:  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: Water and sand washed out of flowback frac tanks  Estimated Volume 10 bbls Known Volume (to be entered by the operator at the end of the haul)		
SIGNATURE TITLE: Manager DATE: 3/2/04  Waste Management Facility Authorized Agent		
TYPE OR PRINT NAME: AJ Blair TELEPHONE NO. (505) 632-1782		
(This space for State Use)		
APPROVED BY: TITLE:	DATE:	
APPROVED BY: TITLE:	DATE:	



### **GARY E. JOHNSON**

Governor
Betty Rivera
Cabinet Secretary

Lori Wrotenbery Director Oil Conservation Division

Generator Name and Address	2. Destination Name:		
B.P.	<b>1 1 1 1 1 1 1 1 1 1</b>		
	CARRIE RESERVE		
3. Originating Site (name):	Indust PiAL ELO Sustoma		
3. Originating Site (name):	ocation of the Waste (Street address &/or ULSTR):		
State G.C. K "IM			
attach list of originating sites as appropriate			
4. Source and Description of Waste			
water AND SAND from	- flowback tonk		
Benny O. Hill	D D		
1, Benny O. H.	representative for : $\mathcal{B}, \mathcal{F}$		
Print Name			
	do hereby certify that, according to the Resource		
Conservation and Recovery Act (RCRA) and Environmental Protection described waste is: (Check appropriate classification)	Agency's July,1988, regulatory determination, the above		
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 -haza	ardous weste defined shove		
and that nothing has been added to the exempt of non-exempt non-haze	ildous waste definied above.		
For NON-EXEMPT waste the following documentation is attached (ch			
MSDS InformationOther (description RCRA Hazardous Waste Analysis			
Chain of Custody			
This waste is in compliance with Regulated Levels of Naturally Occ NMAC 3.1 subpart 1403.C and D.	urring Radioactive Material (NORM) pursuant to 20		
Name (Original Signature): Benny O. Hill  Title: Wall Supervisor			
Fitle: Wall Supervison			
Date: 3-2-2004			

APPROVED BY:

## 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

DATE:

Submit Original Plus 1 Copy to Appropriate District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE 1. RCRA Exempt: Non-Exempt: 4. Generator . BP No 🛛 Verbal Approval Received: Yes 5. Originating Site Sitton Water Disposal 6. Transporter: JFJ Landfarm L.L.C. Management Facility Destination Riley Industrial 3. Address of Facility Operator: Industrial Ecosystems Inc. P.O. Box 2043 8. State: Farmington, N.M. 87499 NM 7. Location of Material (Street Address or ULSTR) 1235 Village East Drive Bayfield CO 81122 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: Produced water and tank bottom solids Estimated Volume Known Volume (to be entered by the operator at the end of the haul) 60 bbls SIGNATURE TITLE: Manager DATE: \_\_3/1/04\_ Waste Management Facility Authorized Agent TYPE OR PRINT NAME: AJ Blair TELEPHONE NO. (505) 632-1782 (This space for State Use TITLE APPROVED BY DATE:

TITLE:



GARY E. JOHNSON

Covernor

Betty Rivers

Cabinot Socretary

Lori Wrotenbery

Oil Conservation Division

MAR 2004

## CERTIFICATE OF WASTE STATUS

	V X :01.7	
1. Generator Name and Address	2. Destination Name:	
bo AMERICA	INDUSTRIAL ECOSYSTEMS	
2906 CO RO 307	420 CO RD 3100	
DURANCO CO	AZTEC N.M. 87410	
OURANGO CO 3. Originating Site (name):	Location of the Waste (Street address &/or ULSTR):	
SITTON WATER DISPOSAL		
STITUTE CONTROLL PAYFISI	n co puna	
1235 VILLAGE EAST DRIVE BAYFIEL	0 00 81122	
arrach list of originating altes as appropriate  4. Source and Description of Waste		
4. Source and Description of Waste	nc	
WATER AND TANK BOTTOM SOLIL	8	
	1	
and the second s		
BRUCE PLOTT	representative for ;	
BRUCE PLOT!	- in the second	
1 . 1 . 1 . 1 . 1		
LO AMERICA	do horeby 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 wasteNON-EXEM	PT oilfield waste which is non-hazardous by characteristic	
A EXEMPT Offineid waste	by product identification	
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	-) Francisco de la constante d	
	*	
and that nothing has been added to the exempt or non-exempt non -had	zardous waste defined above.	
	·	
For NON-EXEMPT waste the following documentation is attached (cl		
	er (description	
RCRA Hazardous Waste Analysis		
Chain of Custody		
This waste is in compliance with Regulated Levels of Naturally Occ	Padinating Maturial (NOP) Propert to 20	
NMAC 3.1 subpart 1403.C and D.	to the resonance of the total (140 man) between m to	
O I OIAL:		
Name (Original Signature): Bruce A 6 lott		
TIME: OPERATIONS SPECIALIST		
Date: 3-1-04		
Date: J I U I		

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

Paykey# ZBSPOSLABR Joborder # 2003/3600

## 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

1. RCRA Exempt: ☐ Non-Exempt: ☐	4. Generator . Burlington Resources	
Verbal Approval Received: Yes ☐ No ☒	5. Originating Site Pipe Storage Yard, Tuboscope	
Management Facility Destination	6. Transporter: Riley Industrial	
3. Address of Facility Operator: Industrial Ecosystems Inc. P.O. Box 2043 Farmington, N.M. 87499	8. State: NM	
7. Location of Material (Street Address or ULSTR) #30 Road 3351 Farmington New Mexico	(6) MAR 2004	
9. Circle One:  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:  Bottom sludge and waste consisting of petroleum impacted sands and silts  Estimated Volume 60 bbls Known Volume (to be entered by the operator at the end of the haul)		
SIGNATURE Waste Management Facility Authorized Agent  TITLE:Manager_	DATE:3/1/04_	
TYPE OR PRINT NAME: AJ Blair TELEPHONE NO. (505) 632-1782		
(This space for State Use)		
APPROVED BY: TITLE:	DATE:	
APPROVED BY: TITLE:	DATE:	



GARY E. JOHNSON Governor Betty Rivera Cabinet Secretary

Lori Wrotenbery Director Oil Conservation Division

		a Line in a	· -
	1. Generator Name and Address  Burlington Resources  3401 E 30 <sup>th</sup> . St.  Farmington, New Mexico 87499	J.F.J. Landfarm C 420 CR 3100 Aztcc,	Destination Name: /o Industrial Ecosystems Inc. NM 87410
	3. Originating Site (name): Burlington Resources Pipe Storage Yard, Tuboscope	Location of the Waste (St	reet address &/or ULSTR):
	Crouch Mesa #30 Road 3351 Farmington, New Mexico attach list of originating sites as appropriate		
	4. Source and Description of Waste  Source: Oil storage tank cleaning. Description: Bottom sl	edge and waste consisting o	of petroleum impacted sands and silts.
	5.		
I,(	Gregg Wurtz represe	ntative for :	
Conserva	lington Resources ation and Recovery Act (RCRA) and Environmental Protect d waste is: (Check appropriate classification)		y that, according to the Resource egulatory determination, the above
_X_EX		EMPT oilfield waste which by product identification	is non-hazardous by characteristic
and that	nothing has been added to the exempt or non-exempt non-	hazardous waste defined al	oove.
For NON	N-EXEMPT waste the following documentation is attache MSDS Information RCRA Hazardous Waste Analysis Chain of Custody	d (check appropriate items): Other (description	
	ste is in compliance with Regulated Levels of Naturally 3.1 subpart 1403.C and D.	Occurring Radioactive M	aterial (NORM) pursuant to 20
	Original Signature): Group Wint		
Title: Date:	Enw. Rep 3/1/04	-	

(This space for State Use)

APPROVED BY: \_\_\_\_

APPROVED BY: \_\_\_\_

## 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

DATE:

DATE:

Submit Original Plus 1 Copy to Appropriate District Office

REQUEST FOR APPROVAL TO ACCEP	T SOLID WASTE
RCRA Exempt:      Non-Exempt:      □	4. Generator . BP
Verbal Approval Received: Yes ☐ No ☒	5. Originating Site Sitton Water Disposal
Management Facility Destination	6. Transporter: Riley Industrial
3. Address of Facility Operator: Industrial Ecosystems Inc. P.O. Box 2043 Farmington, N.M. 87499	8. State: NM
7. Location of Material (Street Address or ULSTR) 1235 Village East Drive Bayfield CO 81122	
All requests for approval to accept oilfield exempt wastes will be accompanied by one certificate per job.  B. All requests for approval to accept non-exempt wastes must be accompanied by material is not-hazardous and the Generator's certification of origin. No waste cla approved  All transporters must certify the wastes delivered are only those consigned for transporters.	ecessary chemical analysis to PROVE the ssified hazardous by listing or testing will be
BRIEF DESCRIPTION OF MATERIAL: Produced water and tank bottom solids	
Estimated Volume 60 bbls Known Volume (to be entered by the operator at the e	end of the haul)
SIGNATURE Waste Management Facility Authorized Agent TITLE: Manager_	DATE:3/1/04_
TYPE OR PRINT NAME: AJ Blair TELEPHONE NO. (50	05) 632-1782

TITLE:

TITLE:



GARY E. JOHNSON

Covernor

Betty Rivera

Cablust Sacretary

Lari Wrotenbery
Director
Oil Conservation Division

### CERTIFICATE OF WASTE STATUS

	7 7 77	
1. Generator Name and Address	2. Destination Name:	
ho AMERICA	INDUSTRIAL ÉCOSYSTEMS 420 CO RD 3100	
2906 CO RO 307	1420 CO RD 3100	
DURANGO CO	AZTEC N.M. 87410	
	Location of the Waste (Street address & or ULSTR):	
SITTON WATER DISPOSAL		
1235 VILLAGE EAST DRIVE BAMFIEL	D CO 81122	
erroch liet of originating sites as appropriate	01100	
attach list of originating altes as appropriate  4. Source and Description of Waste		
WATER AND TANK BOTTOM SOLIL	MAR 2004	
	P DUT DN. 2	
BRUCE PLOTT Print Name	representative for CALERE SEE 19	
DO AMERICA		
	do horeby certify that, according to the Resource	
Conservation and Recovery Act (RCRA) and Environmental Protection described waste is: (Check appropriate classification)	Agency's July, 1988, regulatory determination, the above	
described waste is: (Check appropriate classification)		
EXEMPT oilfield wasteNON-EXEM	PT oilfield waste which is non-hazardous by characteristic	
	by product identification	
and that nothing has been added to the exempt or non-exempt non -ha	TOTAMIC VIDETA defined about	
The black housing has the character of the theory house has the	ZAN GOUS WASLO GETTIED ALLOVE,	
For NON-EXEMPT waste the following documentation is attached (check appropriate items): MSDS InformationOther (descriptionRCRA Hazardous Waste AnalysisChain 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): Bruce & Cloth		
TICLE: OPERATIONS SPECIALIST		
Date: 3-1-04		

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

Paykey# ZBSPOSLABR Joborder # 200313600

### 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

1. RCRA Exempt: Non-Exempt:	Generator .     Burlington Resources		
Verbal Approval Received: Yes ☐ No ☒	5. Originating Site Pipe Storage Yard, Tuboscope		
Management Facility Destination	6. Transporter: Riley Industrial		
3. Address of Facility Operator: Industrial Ecosystems Inc. P.O. Box 2043 Farmington, N.M. 87499	8. State: MAR 2004		
7. Location of Material (Street Address or ULSTR) #30 Road 3351 Farmington New Mexico	95 200		
9. Circle One:  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: Bottom sludge and waste consisting of petroleum impacted sands and silts  Estimated Volume 60 bbls Known Volume (to be entered by the operator at the end of the haul)			
SIGNATURE TITLE: Manager DATE: 3/1/04 Waste Management Facility Authorized Agent			
TYPE OR PRINT NAME: AJ Blair TELEPHONE NO. (505) 632-1782			
(This space for State Use)			
APPROVED BY: TITLE:	DATE:		
APPROVED BY: TITLE:	DATE:		



GARY E. JOHNSON
Governor
Betty Rivera
Cabinet Secretary

Lori Wrotenbery Director Oil Conservation Division

Generator Name and Address	2. Destination Name:
Burlington Resources	J.F.J. Landfarm C/o Industrial Ecosystems Inc.
3401 E 30 <sup>th</sup> . St.	420 CR 3100 Aztec, NM 87410
Farmington, New Mexico 87499	
	0 13 14 15 16 3
3. Originating Site (name):	ocation of the Waste (Street address &/or ULSTR):
Burlington Resources	
Pipe Storage Yard, Tuboscope	MAR 20
Crouch Mesa #30 Road 3351	190 5004
Farmington, New Mexico	
attach list of originating sites as appropriate	C MARCHAEL ST
4. Source and Description of Waste	(C) 101.01.01
Source: Oil storage tank cleaning. Description: Bottom sludg	e and waste consisting of petroleum impacted sands and silts.
	THE BEST OF THE PERSON OF THE
5.	
I, Gregg Wurtz representat	ive for :
Print Name	
Burlington Resources	do hereby certify that, according to the Resource
Conservation and Recovery Act (RCRA) and Environmental Protection	n Agency's July, 1988, regulatory determination, the above
described waste is: (Check appropriate classification)	
	PT 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 -haz	zardous waste defined above.
For NON-EXEMPT waste the following documentation is attached (c	heck appropriate items):
MSDS InformationOt	her (description
RCRA Hazardous Waste Analysis	,
Chain of Custody	
This waste is in compliance with Regulated Levels of Naturally Oc	curring Radioactive Material (NORM) pursuant to 20
NMAC 3.1 subpart 1403.C and D.	, , ,
11/ 1-	
Name (Original Signature), Grand Miller 17	
Name (Original Signature): Press Nom	
Tide Fall Ray	
Title: Enw. Kep	
Date: 3///04/	

### State of New Mexico Energy Minerals and Natural Resources

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Revised March 17, 1999 Submit Original

Submit Original Plus 1 Copy to Appropriate District Office

Form C-138

1. RCRA Exempt: ☐ Non-Exempt: ☐	4. Generator . BP		
Verbal Approval Received: Yes ☐ No ☒	5. Originating Site Florance AE #1		
Management Facility Destination JFJ Landfarm L.L.C.	6. Transporter: Riley Industrial		
3. Address of Facility Operator: Industrial Ecosystems Inc. P.O. Box 2043 Farmington, N.M. 87499	8. State: NM		
7. Location of Material (Street Address or ULSTR) 25, 30N, 10 W			
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: Frac fluid and sand  Estimated Volume 60 bbls Known Volume (to be entered by the operator at the end of the haul)			
SIGNATURE TITLE:Manager DATE:			
TYPE OR PRINT NAME: AJ Blair TELEPHONE NO. (505) 632-1782			
(This space for State Use)	7 19 19 19 19 19 19 19 19 19 19 19 19 19		
APPROVED BY: TITLE:	DATE:		
APPROVED BY: TITLE:	DATE:		



#### BILL RICHARDSON

Governor Joanna Prukop Cabinet Secretary Lori Wrotenbery Director Oil Conservation Division

	Generator Name and Address	2. Destination Name:
	BP ENERGY COURT	UFU LANDFARM
	FARMINGTON, N.M. 87401	
		Location of the Waste (Street address &/or ULSTR):
	FLORANCE AE 1	SEC 25, TUN 30, R& 10W
	attach list of originating sites as appropriate	
	Source and Description of Waste	
	FRAC FLUID	₹ SAND
I	JOE 13AL KUS Print Name	representative for :
	ND	de Lander and Cathat according to the Decree
	vation and Recovery Act (RCRA) and Environmental Protection waste is: (Check appropriate classification)	do hereby certify that, according to the Resource on Agency's July, 1988, regulatory determination, the above
XEX		IPT oilfield waste which is non-hazardous by characteristic by product identification
and that	t nothing has been added to the exempt or non-exempt non -ha	azardous waste defined above.
For NO	N-EXEMPT waste the following documentation is attached (MSDS InformationORCRA Hazardous Waste AnalysisChain of Custody	(check appropriate items): Other (description
	aste is in compliance with Regulated Levels of Naturally Oo 3.1 subpart 1403.C and D.	ccurring Radioactive Material (NORM) pursuant to 20
Name (	Original Signature): Je, Telan	
Title:	WELLS TEUM SPECIALES	
Date:	2-27-04	

### 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 AFFROVAL TO ACCEL T SOLID WASTE			
1. RCRA Exempt: □ Non-Exempt: □	4. Generator . BP		
Verbal Approval Received: Yes ☐ No ☒	5. Originating Site 3 10 17 78 19 19 19 19 19 19 19 19 19 19 19 19 19		
Management Facility Destination	6. Transporter MAR 2004 Riley Industrial		
3. Address of Facility Operator: Industrial Ecosystems Inc. P.O. Box 2043 Farmington, N.M. 87499	8. State: NM		
7. Location of Material (Street Address or ULSTR) 25, 30N, 10 W	CSTREE, SALE		
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: Frac fluid and sand  Estimated Volume 60 bbls Known Volume (to be entered by the operator at the end of the haul)			
SIGNATURE Waste Management Facility Authorized Agent  TITLE:Manager_	DATE: <u>2/27/04</u>		
TYPE OR PRINT NAME: AJ Blair TELEPHONE NO. (505) 632-1782			
(This space for State Use)			
APPROVED BY: TITLE:	DATE:		
APPROVED BY: TITLE:	DATE:		



#### BILL RICHARDSON

Governor Joanna Prukop Cabinet Secretary Lori Wrotenbery
Director
MAROII Conservation Division

	1. Generator Name and Address	2. Destination Name:
	BP ENERGY COURT	UFU LING FARM
	FARM IN GTON, N.M. 87401	77.1001771
	3. Originating Site (name):	ocation of the Waste (Street address &/or ULSTR):
	FLORANCE AE 1	SEC 25, TUN 30, 28/0W
	attach list of originating sites as appropriate	<i>J</i>
	Source and Description of Waste	
	FRAC FLUID &	ESAND
l.	-	
I	JOE 13AL KUS Print Name	representative for :
	17 17	
	ration and Recovery Act (RCRA) and Environmental Protection d waste is: (Check appropriate classification)	do hereby certify that, according to the Resource Agency's July, 1988, regulatory determination, the above
<u>X</u> EX		T oilfield waste which is non-hazardous by characteristic product identification
and that	nothing has been added to the exempt or non-exempt non -haz-	ardous waste defined above.
For NO	N-EXEMPT waste the following documentation is attached (ch_MSDS InformationOth_RCRA Hazardous Waste AnalysisChain of Custody	neck appropriate items): er (description
	ste is in compliance with Regulated Levels of Naturally Occi 3.1 subpart 1403.C and D.	urring Radioactive Material (NORM) pursuant to 20
Name (C	Original Signature): Joe Slave	
Title:	WELLS TEUM SPECIALES	
Date:	2-27-04	
	Oil Concernation Division * 1000 Pio R	roman Dond * Arton Navy Maying 97410

## 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

1. RCRA Exempt: ☐ Non-Exempt: ☐	4. Generator . BP		
Verbal Approval Received: Yes ☐ No ☒	5. Originating Site GCU 306 Disposal		
Management Facility Destination     JFJ Landfarm L.L.C.	6. Transporter: Riley Industrial		
3. Address of Facility Operator: Industrial Ecosystems Inc. P.O. Box 2043 Farmington, N.M. 87499	8. State: MAR 2004 NM		
7. Location of Material (Street Address or ULSTR) S19, T29, R12, NE SE	∞ <b>c</b>		
9. Circle One:			
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: BS&W			
Estimated Volume 60 bbls Known Volume (to be entered by the operator at the e	end of the haul)		
SIGNATURE TITLE: Manager_	DATE: <u>2/26/04</u>		
TYPE OR PRINT NAME:AJ Blair TELEPHONE NO, _(50	05) 632-1782		
(This space for State Use)			
APPROVED BY:	DATE:		
APPROVED BY:TITLE:	DATE:		



GARY E. JOHNSON
Governor
Betty Rivera
Cabinet Secretary



2-25-04

Lori Wrotenbery
Director
Oil Conservation Division

*	
1. Generator Name and Address	2. Destination Name:
BPAmerica  3. Originating Site (name): Lo GCU 30(0 - Disposal	Land Farm JFJ
2 Originating Site (name):	cation of the Waste (Street address &/or ULSTR):
3. Originating Site (name).	cation of the waste (sheet address & of obstr).
1 Oct 300 - DISPOSAL	
	9.2
attach list of originating sites as appropriate	SIGT 29 RIZ, NESE
4. Source and Description of Waste	
Rent	
BS+W	
A 1 /	
I Joe Architela	representative for :
Print Name	Topicoomative to .
The state of the s	* •
Let Ma Fel \	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 wasteris: (Check appropriate classification)	
EXEMPT oilfield wasteNON-EXEMPT	oilfield waste which is non-hazardous by characteristic
analysis or by pi	roduct identification
and that nothing has been added to the exempt or non-exempt non -hazar	dous waste defined above
and that hours and over deduct to the exempt of her exempt non	Total Habit delined above.
For NON-EXEMPT waste the following documentation is attached (che	ck appropriate items):
	(description
RCRA Hazardous Waste Analysis	(4
Chain of Custody	
This waste is in compliance with Regulated Levels of Naturally Occur	rring Radioactive Material (NORM) pursuant to 20
NMAC 3.1 subpart 1403.C and D.	
1 1 1 1	
Name (Original Signature): /w/w/w/	
ritle: Sp Specialis/	
Date: 2-26-04	

### 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

RCRA Exempt:	4. Generator . BP  5. Originating Site GCU 306 Disposal		
Management Facility Destination	6. Transporter: Riley Industrial		
3. Address of Facility Operator: Industrial Ecosystems Inc. P.O. Box 2043 Farmington, N.M. 87499	8. State: MAR 2001		
7. Location of Material (Street Address or ULSTR) S19, T29, R12, NE SE	(G)		
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:			
Estimated Volume 60 bbls Known Volume (to be entered by the operator at the e	end of the haul)		
SIGNATURE TITLE: Manager_ Waste Management Facility Authorized Agent	DATE: <u>2/26/04</u>		
TYPE OR PRINT NAME: AJ Blair TELEPHONE NO. (505) 632-1782			
(This space for State Use)			
APPROVED BY: TITLE:	DATE:		
APPROVED BY: TITLE:	DATE:		



GARY E. JOHNSON
Governor
Betty Rivera
Cabinet Secretary

Date: 2-26-04

2-25-04

Lori Wrotenbery
Director
Oil Conservation Division

CERTIFICATE OF WASTE STATUS
1. Generator Name and Address  2. Destination Name:
BP America Land Farm JF I
BP America  3. Originating Site (name):  GCL 30(0 - Disposal  Location of the Waste (Street address &/or ULSTR):
attach list of originating sites as appropriate \$19.7 29. R 12, NESE
4. Source and Description of Waste
BS+W
I, Joe Architela 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 wasters: (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 InformationOther (description RCRA Hazardous Waste AnalysisChain 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): /wfufut
Title: Sp SpecialisT

APPROVED BY

APPROVED BY:

# 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

DATE:

DATE:

Submit Original Plus 1 Copy to Appropriate District Office

#### REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE 1. RCRA Exempt: Non-Exempt: 4. Generator . XTO No 🛛 Verbal Approval Received: Yes $\square$ 5. Originating Site Hare GC I #1 6. Transporter: 2. Management Facility Destination JFJ Landfarm L.L.C. Inland Trucking 3. Address of Facility Operator: Industrial Ecosystems Inc. P.O. Box 2043 8. State: Farmington, N.M. 87499 NM 7. Location of Material (Street Address or ULSTR) (E) 23-T29N-R11W 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: Soil contaminated with well condensate from overspray or leakage from steel 21 bbl blow pit Estimated Volume 160 yards Known Volume (to be entered by the operator at the end of the haul) 160 Yards **SIGNATURE** TITLE: Manager DATE: <u>2/25/04</u> Waste Management Facility Authorized Agent TYPE OR PRINT NAME: \_\_AJ Blair TELEPHONE NO. (505) 632-1782 (This space for State Use)

TITLE:



GARY E. JOHNSON

Governor

Betty Rivera

Cabinet Secretary

Lori Wrotenbery Director Oil Conservation Division

				11 500)	4 1-3
	Generator Name and Address	· · · · · · · · · · · · · · · · · · ·	2. Destination Name:		
	CTO ENERGY, INC		J.F.J. Landfarm C/o Ind #81 CR 3250 Aztec, NM 8	ustrial Ecosystems Inc.	1
1	700 FARMWOTON AVE, BLOG t	< , see 1	HOT OR SESO PLACE, 14111 0	7410	1
F	ARMWITON, NM 87401				
3.	Originating Site (name):	Lo	cation of the Waste (Street a	ddress &/or ULSTR):	
,	HARE GC I " 1	(E)	23-TZ9N-R1	IW	
attach list of originating sites as appropriate					
4. Source and Description of Waste					
	SOIL CONTAMINATED WITH WELL CONDENSATE FROM OVERSPRAY				
	OR LEAKAGE FROM STEEL	L 21 B8L 1	SLOW PIT.		
	-				
I,	PEFFREY C. BLAGG		representative for	:	
	Print Name				
	) Energy Inc		do hereby certify t	that, according to the Re	esource
	on and Recovery Act (RCRA) and Environ aste is: (Check appropriate classification)		Agency's July, 1988, regulat	ory determination, the a	lbove
XFYE	MPT oilfield waste	NON-FYEN	IPT oilfield waste which is n	on-hazardous by shares	sturistio
LAC	- United Waste	analysis or by	product identification	on-nazardous by charac	teristic
and that not	hing has been added to the exempt or non-	evemnt non _hex	ordone weers defined show		
and that not	and has been added to the exempt of non-	exchipt hon -haza	adous waste defined above.		
	XEMPT waste the following documentat	ion is attached (ch	eck appropriate items):		
	MSDS Information	Oth	er (description		
*****	RCRA Hazardous Waste Analysis Chain of Custody				
	is in compliance with Regulated Levels subpart 1403.C and D.	of Naturally Occ	urring Radioactive Materia	I (NORM) pursuant to	) 20
Name (Orig	ginal Signature): Lefty C.	Eliga			
Title: A	GENT 7 V	,			
Date: F	EB 25, 2004				
	,				

### 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

RCRA Exempt:	4. Generator . XTO  5. Originating Site Hare GC I #1		
Management Facility Destination	6. Transporter: Inland Trucking		
3. Address of Facility Operator: Industrial Ecosystems Inc. P.O. Box 2043 Farmington, N.M. 87499	8. State: NM		
7. Location of Material (Street Address or ULSTR) (E) 23-T29N-R11W	E STORY OF THE STO		
9. Circle One:	E (2000)		
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:			
Soil contaminated with well condensate from overspray or leakage from steel 21 bbl blow pit  Estimated Volume 160 yards Known Volume (to be entered by the operator at the end of the haul) 160 Yards			
SIGNATURE TITLE: Manager DATE: 2/25/04  Waste Management Facility Authorized Agent			
TYPE OR PRINT NAME: AJ Blair TELEPHONE NO. (505) 632-1782			
(This space for State Use)			
APPROVED BY: TITLE:	DATE:		
APPROVED BY: TITLE:	DATE:		



GARY E. JOHNSON
Governor
Betty Rivers
Cabinet Secretary

Lori Wrotenbery
Director
Oil Conservation Division 1 3 3

			TO TO THE RESERVE TO THE PARTY OF THE PARTY
1.	Generator Name and Address		2. Destination Name:
7	KTO ENERGY, INC		J.F.J. Landfarm C/o Industrial Ecosystems Inc.
2	700 FARMINGTON AVE, BLOCK	stel	#81 CR 3250 Aztec, NM 87410
	FARMINGTON, NM 87401		18 30 31
3.	Originating Site (name):	Lo	cation of the Waste (Street address &/or ULSTR):
	HAREGE I "1	(E)	23-T29N-R 11W
at	tach list of originating sites as appropriate	, ,	
	Source and Description of Waste		
	SOIL CONTAMINATED WITH	WELL CO.	NDENSATE FROM OVERSPRAY
	OR LEARAGE FROM STEEL		
		21 000	
<u></u>			
	T		
I, <b>&gt;</b>	TEFFREY C. BLAGE Print Name		representative for :
	Print Name		
XT	O ENERGY INC		do hereby certify that, according to the Resource
Conservati	ion and Recovery Act (RCRA) and Environment	ental Protection	Agency's July, 1988, regulatory determination, the above
described	waste is: (Check appropriate classification)		
X EVI	CMDT aligned waste	NON EVEN	IDT allfield west which is non-honordous by characteristic
EXEMPT oilfield wasteNON-EXEMPT oilfield waste which is non-hazardous by characteristic analysis or by product identification			
analysis of by product racinities to the			
and that no	othing has been added to the exempt or non-ex	empt non -hazi	ardous waste defined above.
	EXEMPT waste the following documentation MSDS Information		еск appropriate items): er (description
-	RCRA Hazerdous Waste Analysis	Ou	er (description
_	Chain of Custody		
	•		
		Naturally Occ	urring Radioactive Material (NORM) pursuant to 20
NMAC 3.	1 subpart 1403.C and D.		
N (0	Man C	Floor	
Name (Or	riginal Signature):	0077	
Title: /	AGENT /		
Date:	FEB 25, 2004		
	,		

APPROVED BY:

APPROVED BY:

# 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, 199

DATE:

DATE:

Submit Origina Plus 1 Copy to Appropriat District Office

REQUEST FOR APPROVAL TO ACCEP	T SOLID WASTE	
RCRA Exempt:      Non-Exempt:      □	4. Generator . XTO	
Verbal Approval Received: Yes ☐ No ☒	5. Originating Site Garson GC #1E	
Management Facility Destination	6. Transporter: Inland Trucking	
3. Address of Facility Operator: Industrial Ecosystems Inc. P.O. Box 2043 Farmington, N.M. 87499	8. State: MAR 200	
7. Location of Material (Street Address or ULSTR) F-32-30-12	27	
9. Circle One:  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: Produced water, glycol by product		
Estimated Volume 396 yards Known Volume (to be entered by the operator at the end of the haul) 396 Yards		
SIGNATURE TITLE: Manager DATE: DATE:		
TYPE OR PRINT NAME: AJ Blair TELEPHONE NO. (50	05) 632-1782	
(This space for State Use)	The second secon	

TITLE:



GARY E. JOHNSON
Governor
Betty Rivera

Cabinet Secretary

Oil Conservat

Lori Wrotenbery
Director
Oil Conservation Division

1. Generator Name and Address  XTO ENERLY IN  Z700 FARMINGT	Destination Name:  J.E.J. Landfarm C/o Industrial Ecosystems Inc.  420 CR 3100 Aztec, NM 87410		
FARMINGTON, NI	n 8/401		
3. Originating Site (name):	Location of the Waste (Street address &/or ULSTR):  =-32-30-/2		
attach list of originating sites as ap	ppropriate		
4. Source and Description of W	aste		
OEHYORATOR	PIT FROM WELL SITE		
(MOST LIKELY)	PIT FROM WELL SITE  DAS PROPUEED WATER, EYLEOL BY PRODUCT.		
I, NELSON VELEZ	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 exen	npt or non-exempt nonhazardous waste defined above.		
For NON-EXEMPT waste the following domain MSDS Information RCRA Hazardous Waste Analy Chain of Custody	ocumentation is attached (check appropriate items):Other (descriptionSis		
This waste is in compliance with Regulate NMAC 3.1 subpart 1403.C and D.	ed Levels of Naturally Occurring Radioactive Material (NORM) pursuant to 20		
Name (Original Signature):	n Vif		
Title: STATE GEOLOGIST			
Date: 2/23/04			
0.1.0	in Division * 1000 Dis Dunes Bank Av. 37 34 10 20110		

## 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

112 4 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2			
1. RCRA Exempt: ☐ Non-Exempt: ☐	4. Generator . Breck Operating		
Verbal Approval Received: Yes No 🖂	5. Originating Site Kutz Government #10		
Management Facility Destination	6. Transporter: Riley Industrial		
3. Address of Facility Operator: Industrial Ecosystems Inc. P.O. Box 2043 Farmington, N.M. 87499	8. State: NM		
7. Location of Material (Street Address or ULSTR) G, Section 18, T28N, R10W	, Kanaa		
9. <u>Circle One</u> :			
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 transp	ort.		
BRIEF DESCRIPTION OF MATERIAL: Tank bottoms from blow pit			
Estimated Volume 60 bbls Known Volume (to be entered by the operator at the entered by t	nd of the haul)		
SIGNATURE TITLE: Manager	DATE: <u>2/20/04</u>		
TYPE OR PRINT NAME: AJ Blair TELEPHONE NO. (50	05) 632-1782		
(This space for State Use)			
APPROVED BY: TITLE:	DATE:		
APPROVED BY:	DATE:		



GARY E. JOHNSON
Governor
Betty Rivera
Cabinut Secretary

MAR 2004

Lori Wrotenbery
Director
Oil Conservation Division

\(\frac{1}{2}\)	(A)
BERCIC OPERATING	2. Destination Name:  1.F.J. Landfarm C/o Industrial Ecosystems Inc.  #81 CR 3250 Aztec, NM 87410
3. Originating Site (name):	location of the Waste (Street address &/or ULSTR):
KUTZ GOJEIZNMENT # 10 attach list of originating sites as appropriate	G, SMJ 18, TZ8 N, RIOW
4. Source and Description of Waste	
Bun PIT BOTTOM	
I, Vera Andrews Print Name	representative for :
- H	N
Conservation and Recovery Act (RCRA) and Environmental Protection	do hereby certify that, according to the Resource
described waste is: (Check appropriate classification)	on Agency 5 pary, 1986, regulatory determination, the above
V FURNISH TICLL	POP - CIGNAL
	PT oilfield waste which is non-hazardous by characteristic y product identification
,	;
and that nothing has been added to the exempt or non-exempt non-ha	residue vinita dafinad abava
and that houring has been added to the exempt of hott-exempt non-ha	izat dous waste defined above.
For NON-EXEMPT waste the following documentation is attached (	
MSDS Information O  RCRA Hazardous Waste Analysis	they (description
Chain of Custody	i
This waste is in compliance with Regulated Levels of Naturally Och NMAC 3.1 subpart 1403.C and D.	ccurring Radioactive Material (NORM) pursuant to 20
Name (Original Signature): Lew Authoris	
Title: PRODUCTION FOREMAN	
, ,	
Date: 2/20/04	
	· · · · · · · · · · · · · · · · · · ·
Oil Conservation Division * 1000 Rio	Brazos Roud * Aztec, New Mexico 87410
Phone: (505) 334-6178 * Fax (505) 3	34 6170 * http://www.emnrd.state.nm.us

### 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

1. RCRA Exempt: Non-Exempt:	Generator .     Breck Operating		
Verbal Approval Received: Yes ☐ No ☒	5. Originating Site Kutz Government #9		
Management Facility Destination	6. Transporter: Riley Industrial		
3. Address of Facility Operator: Industrial Ecosystems Inc. P.O. Box 2043 Farmington, N.M. 87499	8. State: MAR 2004		
7. Location of Material (Street Address or ULSTR) G, Section 18, T28N, R10W	6 OLCO SON.		
9. <u>Circle One</u> :	6		
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: Tank bottoms from blow pit			
Estimated Volume 60 bbls Known Volume (to be entered by the operator at the end of the haul)			
SIGNATURE TITLE:Manager	DATE: <u>2/20/04</u>		
TYPE OR PRINT NAME: AJ Blair TELEPHONE NO. (50	5) 632-1782		
(This space for State Use)			
APPROVED BY: TITLE;	DATE:		
APPROVED BY:	DATE		



GARY E. JOHNSON Betty Rivera Cabinet Secretary

Lori Wrotenbery Director Oil Conservation Division

#### CERTIFICATE OF WASTE STATUS

1. Generator Name and Address 7415 E. MAIN FARMINGTO: WM E7402	24 Destination Name: J.P.J. Landfarm C/o Industrial Ecosystems Inc. #81 CR 3250 Aztec, NM 87410
PRICK CPRICATING	
3. Originating Site (name):	ocation of the Waste (Street address & for ULSTR):
KUTZ COVERNMENT # 9	E, SKOT 20, TZER, RIOW
4. Source and Description of Waste	• .
BUW PIT BUTTOM	
1. VERN ANDREWS	
I, VEW IN DICTES	representative for :
2- 12:22	
Conservation and Recovery Act (RCRA) and Environmental Protection	do hereby certify that, according to the Resource
described waste is: (Check appropriate classification)	The state of the s
EXEMPT oilfield wasteNON-EXEMP	Toilfield 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-haz	ardous waste defined above.
For NON-EXEMPT waste the following documentation is attached (cl	heck appropriate items): heg (description
MSDS Information Oth	(description
Chain of Custody	
This waste is in compliance with Regulated Levels of Naturally Oc-	curring Redicactive Moterial (NORM) purposet to 20
NMAC 3.1 subpart 1403.C and D.	ing require relative and the real pursuadit to 20
- Jan Adams	
Name (Original Signature): With Archeins	
Title: PROPULCTION FOREMAN	
Date: 2/20/04	The second secon
Oil Conservation Division * 1000 Rio I	Brazos Roud * Aztec, New Mexico 87410

Phone: (505) 334-6178 \* Fax (505) 334-6170 \* http://www.emnrd.state.nm.us

### 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

1. RCRA Exempt: ☐ Non-Exempt: ☐	Generator .     Breck Operating		
Verbal Approval Received: Yes ☐ No ☒	5. Originating Site Kutz Government #10		
Management Facility Destination JFJ Landfarm L.L.C.	6. Transporter: Riley Industrial		
3. Address of Facility Operator: Industrial Ecosystems Inc. P.O. Box 2043 Farmington, N.M. 87499	8. State: MAR 200a		
7. Location of Material (Street Address or ULSTR) G, Section 18, T28N, R10W	C 02 00 00 00 00 00 00 00 00 00 00 00 00		
9. Circle One:  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:  Tank bottoms from blow pit  Estimated Volume 60 bbls Known Volume (to be entered by the operator at the end of the haul)			
SIGNATURE Wask Management Facility Authorized Agent  TITLE: Manager DATE: 2/20/04			
TYPE OR PRINT NAME: AJ Blair TELEPHONE NO. (505) 632-1782			
(This space for State Use)			
APPROVED BY: TITLE:	DATE:		
APPROVED BY: TITLE:	DATE:		



GARY E. JOHNSON

Governor Betty Rivera Cubinet Secretary Lori Wrotenbery
Director 4 15 /

## CERTIFICATE OF WASTE STATUS

1. Generator Name and Address 7415 E. Main	2. Destination Name:
FARMINGTON NM	J.F.J. Landfarm C/o Industrial Ecosystems Inc.
BRICK OPERATING 87402	#81 CR 3250 Aztec, NM 87410
DETICL OFFICIAL	4.80000
3. Originating Site (name):	ocation of the Waste (Street address &/or ULSTR):
KUTZ GOVERNMENT # 10	10 TOO 1 2011
attach list of originating sites as appropriate	G, SAGTE, TRBN, RIOW
4. Source and Description of Waste	
T. Double and Description of the second	
Bicai PIT BOTTOM	
/ 1	
1 VERO MORINS	representative for :
Print Name	
BRACK OPERATIFE	de la constant de la
Conservation and Recovery Act (RCRA) and Environmental Protection	do hereby certify that, according to the Resource
described waste is: (Check appropriate classification)	in Agency's July, 1988, regulatory determination, the above
Concer appropriate classification	y. *
X EXEMPT oilfield waste NON-EXEM	PT oilfield waste which is non-hazardous by characteristic
	y product identification
	:
and that nothing has been added to the exempt or non-exempt non -ha	zardous waste defined above.
For NON-EXEMPT waste the following documentation is attached (	check appropriate items):
	theij (description
RCRA Hazardous Waste Analysis	,
Chain of Custody	* · · ·
This waste is in compliance with Regulated Levels of Naturally Oc	ccurring Radioactive Material (NORM) pursuant to 20
NMAC 3.1 subpart 1403.C and D.	
Name (Original Signature): / Pain Auchaux	
Title: PRODUCTION FOREMAN	
2/22/21	
Date: 4/20/04	
	*
*	* *
Oil Conservation Division * 1000 Pia	Prozes Royd * Artes Naw Mexico 97410

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

### 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 I Copy to Appropriate District Office

RCRA Exempt:	4. Generator . Breck Operating  5. Originating Site Kutz Government #9		
Management Facility Destination	6. Transporter: Riley Industrial		
3. Address of Facility Operator: Industrial Ecosystems Inc. P.O. Box 2043 Farmington, N.M. 87499	8. State: Control of the state		
7. Location of Material (Street Address or ULSTR) G, Section 18, T28N, R10W			
9. Circle One:  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:  Tank bottoms from blow pit  Estimated Volume 60 bbls Known Volume (to be entered by the operator at the end of the haul)			
SIGNATURE TITLE: Manager DATE: 2/20/04  Waste Management Facility Authorized Agent			
TYPE OR PRINT NAME: AJ Blair TELEPHONE NO. (505) 632-1782			
(This space for State Use)			
APPROVED BY: TITLE:	DATE:		
APPROVED BY: TITLE:	DATE:		



GARY E. JOHNSON

Governor

Betty Rivera

Cabinet Secretary

Lori Wrotenbery
Directon
Oil Conservation Division

CERTIFICATE OF WASTE STATUS

1. Generator Name and Address 7415 E. MAIN FARMINGTON WIM	2. Destination Name: J.F.J. Landfarm C/o Industrial Ecosystems Inc. #81 CR 3250 Aztec, NM 87410		
STRCK CPFULATING 87402	11505		
3. Originating Site (name): Lo	cation of the Waste (Street address &/or ULSTR):		
KUTZ COVERNMENT # 9	E, SECT. 20, TZEN, RIOW		
4. Source and Description of Waste			
BULL PIT BUTTOM			
I, VERN ANDREWS Print Name	representative for :		
BREEK OPKRATING	the boundary of the second of the second		
Conservation and Recovery Act (RCRA) and Environmental Protection	do hereby certify that, according to the Resource Agency's July, 1988, regulatory determination, the above		
described waste is: (Check appropriate classification)			
	Toilfield waste which is non-hazardous by characteristic product identification		
and that nothing has been added to the exempt or non-exempt non-haz	argous waste defined above.		
For NON-EXEMPT waste the following documentation is attached (check appropriate items): MSDS InformationOther (description			
RCRA Hazardous Waste Analysis Chain of Custody			
This waste is in compliance with Regulated Levels of Naturally Occ NMAC 3.1 subpart 1403.C and D.	curring Radioactive Material (NORM) pursuant to 20		
Name (Original Signature): Vin And Sill			
Title: PRODUCTION FORMAT	* · ·		
Date: 2/20/04			
	<del></del>		

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

1

# 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

RCRA Exempt: □  Verbal Approval Received: Yes □ No □	4. Generator . Basin Disposal  5. Originating Site Basin Disposal Facility
Management Facility Destination	6. Transporter: Basin Disposal
3. Address of Facility Operator: Industrial Ecosystems Inc. P.O. Box 2043 Farmington, N.M. 87499	8. State: MAR 2004 NM
7. Location of Material (Street Address or ULSTR) 200 Montana BLVD Bloomfield NM 87413	© CIT COLUMN DA
9. Circle One:  (A) All requests for approval to accept oilfield exempt wastes will be accompanied by one certificate per job.  B. All requests for approval to accept non-exempt wastes must be accompanied by ne material is not-hazardous and the Generator's certification of origin. No waste clarapproved  All transporters must certify the wastes delivered are only those consigned for transporters per	ecessary chemical analysis to PROVE the ssified hazardous by listing or testing will be ort.
SIGNATURE Waste Management Facility Authorized Agent  TITLE: Manager_	DATE: <u>2/10/04</u>
TYPE OR PRINT NAME: AJ Blair TELEPHONE NO. (50	5) 632-1782
(This space for State Use)	
APPROVED BY: TITLE:	DATE:
APPROVED BY: TITLE:	DATE;



GARY E. JOHNSON
Governor
Betty Rivera
Cabinet Secretary

Lori Wrotenbery
Director
Oil Conservation Division

		(0) (1)
	Generator Name and Address  BASIN DISGOSA	2. Destination Name: J.F.J. Landfarm C/o Industrial Ecosystems Inc. #81 CR 3250 Aztec, NM 87410
3	Originating Site (name):  BASIN DISPOSA	Cocation of the Waste (Street address &/or ULSTR):  200 Mon 1991 A AVE CR 5046
a	ttach list of originating sites as appropriate	Bloomfield NM 87413
	Source and Description of Waste  BS+W FROM SeTTLing Po	
i, 7/2	Inmy V BARNES Print Name	representative for :
Conservati described	ion and Recovery Act (RCRA) and Environmental Protection waste is: (Check appropriate classification)	do hereby certify that, according to the Resource in Agency's July,1988, regulatory determination, the above
X EXE		MPT oilfield waste which is non-hazardous by characteristic product identification
and that no	othing has been added to the exempt or non-exempt non -ha	zardous waste defined above.
,000 to 100 to 1	EXEMPT waste the following documentation is attached (common MSDS InformationOtOtOtOtChain of Custody	heck appropriate items): her (description
This waste NMAC 3.1	e is in compliance with Regulated Levels of Naturally Oc subpart 1403.C and D.	curring Radioactive Material (NORM) pursuant to 20
Name (Ori	iginal Signature): finning Warner	
Title:	Pant Manager	
Date:	-10-04	
****		

### 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

1. RCRA Exempt: Non-Exempt:	4. Generator . Basin Disposal				
Verbal Approval Received: Yes ☐ No ☒	5. Originating Site Basin Disposal Facility				
Management Facility Destination	6. Transporter: Basin Disposal				
3. Address of Facility Operator: Industrial Ecosystems Inc. P.O. Box 2043 Farmington, N.M. 87499	8. State: NM				
7. Location of Material (Street Address or ULSTR) 200 Montana BLVD Bloomfield NM 87413					
9. Circle One:					
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: BS&W from settling pond					
Estimated Volume 2000 bbls Known Volume (to be entered by the operator at the	end of the haul)				
SIGNATURE TITLE: Manager	DATE: <u>2/10/04</u>				
TYPE OR PRINT NAME: AJ Blair TELEPHONE NO. (505) 632-1782					
(This space for State Use)					
APPROVED BY: TITLE:	DATE:				
APPROVED BY: TITLE:	DATE:				



**GARY E. JOHNSON** 

Governor Betty Rivera Cabinet Secretary Lori Wrotenbery Director

Oil Conservation Division

	I. Generator Name and Address	2. Destination Name:
•	BASIN DISGOSA	J.F.J. Landfarm C/o Industrial Ecosystems Inc. #81 CR 3250 Aztec, NM 87410
	BASIN DISIGOSAS	10 2.11 10 pt
13	3. Originating Site (name):	ocation of the Waste (Street address &/or ULSTR): 200 Mon MANA AVE CR 5046
	BASIN DISPOSAL	200 Mon MANA AVE CR 5046
2	attach list of originating sites as appropriate	Bloomfield NM 87413
	4. Source and Description of Waste	/
1	RS+W fram Selling Po	$\eta \mathcal{O}$
	1. Source and Description of Waste  BS+W FROM SeTTling Po	
Ĺ		
	1/13-01	
I,/	Immy / BARNES Print Name	representative for :
	Print Name	
Patrick Colonia Sections in the		do hereby certify that, according to the Resource
	tion and Recovery Act (RCRA) and Environmental Protection waste is: (Check appropriate classification)	on Agency's July, 1988, regulatory determination, the above
1 .		
EX		MPT oilfield waste which is non-hazardous by characteristic
	anarysis or by	y product identification
	and the state of t	10.11
and that n	nothing has been added to the exempt or non-exempt non -ha	zardous waste defined above.
For NON	-EXEMPT waste the following documentation is attached (d	check appropriate items):
***		ther (description
-	RCRA Hazardous Waste Analysis Chain of Custody	
	te is in compliance with Regulated Levels of Naturally Oc	ccurring Radioactive Material (NORM) pursuant to 20
NIVIAC 3	.I subpart 1403.C and D.	
Name (O	riginal Signature): from Morney	
	Plant Manager	
Title:	TRITT TITTING EV	
Date:	2-10-04	
the talking ready space trades, playing as		

### 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

RCRA Exempt:	4. Generator . BP 200 Energy Court Farmington NM 87401			
	5. Originating Site Blanco LS 12			
Management Facility Destination	6. Transporter: Riley Industrial			
3. Address of Facility Operator: Industrial Ecosystems Inc. P.O. Box 2043 Farmington, N.M. 87499	8. State: NM			
7. Location of Material (Street Address or ULSTR) T28N R8W Sec36				
9. Circle One:  A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generalog; 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 impacted frac sand  Estimated Volume 10 Yards Known Volume (to be entered by the operator at the end of the hard)				
SIGNATURE TITLE: Manager DATE: DATE:				
TYPE OR PRINT NAME: AJ Blair TELEPHONE NO. (505) 632-1782				
APPROVED BY: Chack The TITLE: 0 + 6 10	Engr DATE: 1/16/04 DATE: 1/16/04			



BILL RICHARDSON

Governor Joanna Prukop Cabinet Secretary

Lori Wrotenbery Director Oil Conservation Division

	1. Generator Name and Address	2. Destination Name:				
	300 Energy Court	JFJ CANdfarm				
	Farmington, H.m. 8740)	0.0				
		Y and State (State of the War II C'PT)				
	3. Originating Site (name):	Location of the Waste (Street address &/or ULSTR):				
	Blanco LS 12					
		T28N- R8W - Sec. 36				
	attach list of originating sites as appropriate  4. Source and Description of Waste					
	4. Source and Description of Waste					
		*				
	Frac SAND					
1	Rick Venellis	representative for :				
r	Print Name	representative for ,				
		do hereby certify that, according to the Resource				
	vation and Recovery Act (RCRA) and Environmental Proced waste is: (Check appropriate classification)	otection Agency's July, 1988, regulatory determination, the above				
_X_E;		EXEMPT oilfield waste which is non-hazardous by characteristic s or by product identification				
and tha	at nothing has been added to the exempt or non-exempt n	on -hazardous waste defined above.				
E NC	ON-EXEMPT waste the following documentation is atta-	ahad (ahaa),ista ita>				
LOI MC	MSDS Information	Other (description				
	RCRA Hazardous Waste Analysis					
	Chain of Custody					
This w	acta is in compliance with Deculuted Levels of Nature	lly Occurring Radioactive Material (NORM) pursuant to 20				
	3.1 subpart 1403.C and D.	my Occurring Radioactive Material (NORM) pursuant to 20				
Name	(Original Signature): Sink Lease					
Title:_	Operations Specialist					
	1-12-84	,				

### 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 THE TO THE CELL	100212 111012			
1. RCRA Exempt: ☐ Non-Exempt: ☐	4. Generator . BP			
Verbal Approval Received: Yes ☐ No ☒	5. Originating Site Fields A2A			
Management Facility Destination	6. Transporter: Scat Hotwash			
3. Address of Facility Operator: Industrial Ecosystems Inc. P.O. Box 2043 Farmington, N.M. 87499	8. State: NM			
7. Location of Material (Street Address or ULSTR) Sec 25, T 32N, R11W				
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 contaminated frac fluid and sand  Estimated Volume 60 BBLS Known Volume (to be entered by the operator at the end of the haul)				
SIGNATURE Waste Management Facility Authorized Agent  TITLE: Manager DATE: 1/12/04				
TYPE OR PRINT NAME: AJ Blair TELEPHONE NO. (505) 632-1782				
(This space for State Use)  APPROVED BY: Deny Tent TITLE: Environ  APPROVED BY: Charle H. TITLE: Delty	Engr DATE: 1/16/04 Od 6 in ( DATE: 1/16/04			



BILL RICHARDSON
Governor
Joanna Prukop

Cabinet Secretary

Lori Wrotenbery
Director
Oil Conservation Division

1. Generator Na	tne and Address	2.		Destination Name:	
BP	ENERGY COURT		151	LANDFAR	2m
200	SOVERLEY COURT	7/1-1	010	XXNOTAL	-///
FARM	NGTON N.M. E.	1401			
3. Originating S.	ite (name):	Location	n of the Waste	(Street address &/or UL	STR):
FIE	105 A 2 A		5EC 2	S / T 32N	RIIW
	inating sites as appropriate				
4. Source and I	Description of Waste				
				*	
	FRAC KLUID	F. SAN	P		
	, , , , , , , , , , , , , , , , , , , ,			ALTERNATION A	
. 1/2 to	1/6/15				
	ALKUS Print Name		rcpreson	tative for :	
4					
75/2			do hereb	y certify that, according t	to the Resource
	y Act (RCRA) and Environmental k appropriate classification)	Protection Agen	cy's July, 198	8, regulatory determination	on, the above
EXEMPT oilfield w				ich is non-hazardous by o	characteristic
	anar	ysis or by produc	et identificatio	n	
and that nothing has been	added to the exempt or non-exemp	t non –hazardous	waste define	d above.	
For NON-EXEMPT waste MSDS Inform	e the following documentation is a	ttached (check ap Other (de		ns):	
	lous Waste Analysis	Outer (dea	scription		
Chain of Custody					
				* '	
This waste is in complian NMAC 3.1 subpart 1403.	ce with Regulated Levels of Natu C and D.	rally Occurring	g Radioactive	Material (NORM) pur	suant to 20
		111			
Name (Original Signatur	e): 1 /00 900	Men			
Title: NELLS	TEAM SPECIAL	157			
Date:	1-04				
	•	***			
	011.0				

### 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 ALL ROVAL TO ACCE.	I SOLID WASTE			
RCRA Exempt:	4. Generator . BP			
verbal Approval Received. Tes 140 Z	5. Originating Site Sitton Water Disposal			
Management Facility Destination	6. Transporter: Scat Hotwash			
3. Address of Facility Operator: Industrial Ecosystems Inc. P.O. Box 2043 Farmington, N.M. 87499	8. State: NM			
7. Location of Material (Street Address or ULSTR) 1235 Village E Drive Bayfield Colorado 81122				
A. All requests for approval to accept oilfield exempt wastes will be accompanied by one certificate per job.  B. All requests for approval to accept non-exempt wastes must be accompanied by material is not-hazardous and the Generator's certification of origin. No waste claapproved  All transporters must certify the wastes delivered are only those consigned for transporters.	eccessary chemical analysis to PROVE the assified hazardous by listing or testing will be			
BRIEF DESCRIPTION OF MATERIAL: Tank bottom sludge and water used to clean the tank bottoms  Estimated Volume 80 BBLS Known Volume (to be entered by the operator at the end of the haul)				
SIGNATURE Account Facility Authorized Agent  TITLE: Manager DATE: 1/07/04				
TYPE OR PRINT NAME: AJ Blair TELEPHONE NO. (505) 632-1782				
APPROVED BY: Ohal H TITLE: Envir	0/ Engr DATE: 1/16/04 026/10 DATE: 1/16/04			



GARY E. JOHNSON
Covernor
Betty Rivera
Cablust Socretary

Lari Wrotenbery
Director
Oil Conservation Division

# CERTIFICATE OF WASTE STATUS

1. Generator Name and Address	2. Destination Name:				
DD AMERICA	IN DUSTRIAL ECOSYSTEMS INC.				
1 1	CROUCH MESALAND TREAT MENT SITE 420 CR 3100				
2906 CU RD 307 DURANGO CO	ISAN JUAN CO NEW MEXICO				
3. Originating Sire (name):	Location of the Waste (Street address & or ULSTR):				
SITTON WATER DISPOSAL SITE	D/100				
1235 VILLAGE EAST DRIVE BAYFI	1235 VILLAGE EAST DRIVE BAYFIELD CO \$1122				
areach list of originating sites as appropriate  4. Source and Description of Waste	atrach list of originating aites as appropriate				
WATER TANK BOTTOMS SOLIDS AN	N WATER USED TO CLEAN THE TANK				
	0 607742 6578 75 55076 77				
BOTTOMS	·				
	· ·				
DOLLAR OLLAR					
I, BRUCE PLOTT Print Name	representative for :				
Print Name					
bo AMERICA	do horeby 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 wasteNON-EXEM	PT oilfield waste which is non-hazardous by characteristic				
	by product identification				
and that nothing has been added to the exempt or non-exempt non -ha	zardous waste defined above.				
For NON-EXEMPT waste the following documentation is attached (ci					
MSDS Information Oth	er (description				
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.					
a l Olah:					
Name (Original Signature): Druce A Stow	,				
TICLE: OPERATIONS SPECIALIST					
Date: 1-7-04					

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

(This space for State Use)

APPROVED BY:

APPROVED BY: (

### State of New Mexico Energy Minerals and Natural Resources

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Form C-138 Revised March 17, 1999

> Submit Original Plus 1 Copy to Appropriate District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE 1. RCRA Exempt: Non-Exempt: 4. Generator . **Burlington Resources** No 🛛 Verbal Approval Received: Yes  $\square$ 5. Originating Site McGrath SWD #4 6. Transporter: JFJ Landfarm L.L.C. 2. Management Facility Destination Riley Industrial 3. Address of Facility Operator: Industrial Ecosystems Inc. P.O. Box 2043 8. State: Farmington, N.M. 87499 NM 7. Location of Material (Street Address or ULSTR) SW; S34; T30N;R12W 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. JAN 2004 BRIEF DESCRIPTION OF MATERIAL: Tank bottom sludge and water used to clean the tank bottoms Known Volume (to be entered by the operator at the end of the haut) Estimated Volume 800 BBLS **SIGNATURE** TITLE: Manager DATE: 1/06/04 Waste Management Facility Authorized Agent TYPE OR PRINT NAME: AJ Blair TELEPHONE NO. (505) 632-1782



GARY E. JOHNSON
Governor
Betty Rivera
Cabinet Secretary

Lori Wrotenbery Director Oil Conservation Division

1. Generator Name and	Address	2. Destination Name:		
Burlington Resources		Industrial Ecosystems Inc.		
3401 E 30th. St.				
Farmington, New Mexico	5 87499			
3. Originating Site (nam	e):	ocation of the Waste (Street address &/or ULSTR):		
McGrath SWD #4	-	AcGrath SWD #4		
	L	Init: SW Section: 34 Township: 30N Range: 12W		
attach list of originating	sites as appropriate			
4. Source and Descript				
BS&W Tank Bottoms ou	nt of mud pit.			
5.				
Barrier Barrier		alica for a		
, Renae Beyale Print No	representa	live for:		
2 2 2 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	6776			
Burlington Resources		do hereby certify that, according to the Resource		
		n Agency's July, 1988, regulatory determination, the above		
lescribed waste is: (Check appro-	priate classification)			
X EXEMPT oilfield waste	NON-EXEM	PT oilfield waste which is non-hazardous by characteristic		
		product identification		
- 1 - f 1 1 1 1 1 1		dava visassa daffaad ahassa		
nd that nothing has been added to	the exempt or non-exempt non -ha	zandous waste defined above.		
or NON-EXEMPT waste the fo	Howing documentation is attached (o	check appropriate items):		
MSDS Information		her (description		
RCRA Hazardous Waste Analysis				
Chain of Custody				
	D. Martin J. Chicago N. C.	The State of the Name of the State of the St		
MAC 3.1 subpart 1403.C and	D. Regulated Levels of Naturally Oc	curring Radioactive Material (NORM) pursuant to 20		
di	1 1/2			
lame (Original Signature)	MO Descel			
Lind Soda ()				
Citle: 1-6-04				
1-10-114				

	523456				
District 1 1625 M. French Dr., Hobbs, NM 8824 Energy Minerals and Natural Resource 1301 W. Grand Avenue, Artesia, NM 88210	Form C-138				
District III	The little of the same of the				
District IV 1220 South St. Francis Dr. C	to Appropriate				
1220 S. St. Francis Dr., Santa Fe. NM 87505 OIL CUNSERVATION Santa Fe, NM 87505	District Office				
REQUEST FOR APPROVAL TO ACCEP	T SOLID WASTE				
	4. Generator .				
1. RCRA Exempt: Non-Exempt:	El Paso Field Services Co				
Verbal Approval Received: Yes ☐ No ☒	614 Reilly Ave Farmington NM 87401				
	5. Originating Site Chaco Plant				
Management Facility Destination	6. Transporter: M&R				
3. Address of Facility Operator: Industrial Ecosystems Inc. P.O. Box 2043 Farmington, N.M. 87499	8. State: NM				
7. Location of Material (Street Address or ULSTR) SW/4 Section 16, T26N, R12W, San Juan Co., NM					
9. Circle One:					
A. All requests for approval to accept oilfield exempt wastes will be accompanied by	a certification of waste from the Generator:				
one certificate per job.	The second of water from the constitution,				
B. All requests for approval to accept non-exempt wastes must be accompanied by ne					
material is not-hazardous and the Generator's certification of origin. No waste cla	ssified hazardous by listing or testing wall be				
All transporters must certify the wastes delivered are only those consigned for transport.					
BRIEF DESCRIPTION OF MATERIAL:  Spent phosphoric acid from fin-fan cooler cleaning – neutralized with liquid caustic soda					
opens phosphoric acid from the tail cooler closuing household with higher catalic sour					
Estimated Volume 320 BBLS Known Volume (to be entered by the operator at	the and of the haul)				
Estimated volume	the end of the nath)				
SIGNATURE AT CLO	DATE: 1/00/04				
SIGNATURE TITLE: Manager Waste Management Facility Authorized Agent					
TWO OR PROJECTION AT PICE.	05) 632-1782				
TYPE OR PRINT NAME: AJ Blair TELEPHONE NO. (50	05) 632-1782				
	the court of a great for any and a				
Eupopoved This to go to JTJ and it	- water to be should				
Laci Divovice Little 10 Old ICALA COMMENT	ELECTIVE ES IN TO IN IN				

Lapproved this to go to JFJ and it probably should have gone to key. Keytransport only remains a problem

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 JAN 2004
PECELVED
OIL COMS. DIV.
DIST. 8

Form C-138 Revised March 17, 1999

> Submit Original Plus 1 Copy to Appropriate District Office

REQUEST FOR APPROVAL TO ACCEPT	r solid waste
194	44 12 11 12 11 11 11

RCRA Exempt: □ Non-Exempt: □  Verbal Approval Received: Yes □ No □	4. Generator . El Paso Field Services Co 614 Reilly Ave Farmington NM 87401  5. Originating Site Chaco Plant			
Management Facility Destination	6. Transporter: M&R			
3. Address of Facility Operator: Industrial Ecosystems Inc. P.O. Box 2043 Farmington, N.M. 87499	8. State: NM			
7. Location of Material (Street Address or ULSTR) SW/4 Section 16, T26N, R12W, San Juan Co., NM				
9. Circle One:  A. All requests for approval to accept oilfield exempt wastes will be accompanied by a certification of waste from the Generator; one certificate per job.  B. All requests for approval to accept non-exempt wastes must be accompanied by necessary chemical analysis to PROVE the material is not-hazardous and the Generator's certification of origin. No waste classified hazardous by listing or testing will be approved  All transporters must certify the wastes delivered are only those consigned for transport.  BRIEF DESCRIPTION OF MATERIAL:  Spent phosphoric acid from fin-fan cooler cleaning – neutralized with liquid caustic soda  Estimated Volume 320 BBLS Known Volume (to be entered by the operator at the end of the haul)				
SIGNATURE TITLE: Manager Waste Management Facility Authorized Agent	DATE: <u>1/02/04</u>			
TYPE OR PRINT NAME: AJ Blair TELEPHONE NO. (505) 632-1782				
(This space for State Use)  APPROVED BY: TITLE: Envirop  APPROVED BY: TITLE:	DATE: 1/08/04			



# NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

# BILL RICHARDSO Governor

Post-It" Fax Note 7671	Date 1/2/cm pages 2
To A J	David Bars
Carpentust al Ernsustan	of Co. EPES
Phone #	Phone # 599-225&
Fax 1 / 032-1876	Fax # 599-2284

ri Wrotenbery

Director

CERTIFICATE OF WASTE STATUS  1 Generator Name and Address: El Paso Field Services Co. 614 Reilly Avenue Farmington, NM 87401 3. Originating Site (name): Location of Waste (Street address &/or ULSTR): SW/4 Section 16, T26N, R12W, San Juan Co., NM  Location of Waste (Street address &/or ULSTR): SW/4 Section 16, T26N, R12W, San Juan Co., NM  Location of Waste (Street address &/or ULSTR): SW/4 Section 16, T26N, R12W, San Juan Co., NM  Location of Waste (Street address &/or ULSTR): SW/4 Section 16, T26N, R12W, San Juan Co., NM  Location of Waste (Street address &/or ULSTR): SW/4 Section 16, T26N, R12W, San Juan Co., NM  Location of Waste (Street address &/or ULSTR): SW/4 Section 16, T26N, R12W, San Juan Co., NM  Location of Waste (Street address &/or ULSTR): SW/4 Section 16, T26N, R12W, San Juan Co., NM  Location of Waste (Street address &/or ULSTR): SW/4 Section 16, T26N, R12W, San Juan Co., NM  Location of Waste (Street address &/or ULSTR): SW/4 Section 16, T26N, R12W, San Juan Co., NM  Location of Waste (Street address &/or ULSTR): SW/4 Section 16, T26N, R12W, San Juan Co., NM  Location of Waste (Street address &/or ULSTR): SW/4 Section 16, T26N, R12W, San Juan Co., NM  Location of Waste (Street address &/or ULSTR): SW/4 Section 16, T26N, R12W, San Juan Co., NM  Location of Waste (Street address &/or ULSTR): SW/4 Section 16, T26N, R12W, San Juan Co., NM  Location of Waste (Street address &/or ULSTR): SW/4 Section 16, T26N, R12W, San Juan Co., NM  Location of Waste (Street address &/or ULSTR): SW/4 Section 16, T26N, R12W, San Juan Co., NM  Location of ULSTR): SW/4 Section 16, T26N, R12W, San Juan Co., NM  Location of ULSTR): SW/4 Section 16, T26N, R12W, San Juan Co., NM  Location of ULSTR): SW/4 Section 16, T26N, R12W, San Juan Co., NM  Location of ULSTR): SW/4 Section 16, T26N, R12W, San Juan Co., NM  Location of ULSTR): SW/4 Section 16, T26N, R12W, San Juan Co., NM  Location of Waste (Street address &/or ULSTR): SW/4 Section 16, T26N, R12W, San Juan Co., NM  Location of ULSTR): SW/4 Section 16, T26N, R12W, San J	Joanna Prukup Cubinet Secretary	599-2284 servation Division 456				
Concrator Name and Address:   El Paso Field Services Co. 614 Reilly Avenue   Farmington, NM 87401   Envirotech Soll Remediation Facility   Landfarm #2   Hilltop, New Mexico   DIST. 3	Calonici Secretary	8				
A. Source and Description of Waste (Street address & for ULSTR):  SW/4 Section 16, T26N, R12W, San Juan Co., NM  attach list of originating sites at appropriate  4. Source and Description of Waste  Spent phosphoric acid from fin-fan cooler cleaning – neutralized with liquid caustic soda  1	CERTIFICATE OF WASTE STATUS					
Chuco Plant  SW/4 Section 16, T26N, R12W, San Juan Co., NM  attach list of originating sites at appropriate  4. Source and Description of Waste Spent phosphoric acid from fin-fan cooler cleaning – neutralized with liquid caustic soda  1	El Paso Field Services Co. 614 Reilly Avenue	2. Destination Name: Envirotech Soil Remediation Facility Landfarm #2 Hilltop, New Mexico				
### A. Source and Description of Waste Spent phosphoric acid from fin-fan cooler cleaning – neutralized with liquid caustic soda  1	3. Originating Site (name):	Location of Waste (Street address &/or ULSTR):				
4. Source and Description of Waste Spent phosphoric acid from fin-fan cooler cleaning – neutralized with fiquid caustic soda  1	Chaco Plant	SW/4 Section 16, T26N, R12W, San Juan Co., NM				
Print Name  El Paso Field Services Co.  do hereby certify that, according to the Resource Conservation and Recovery Act (RCRA) and Environmental Protection Agency's Jufy, 1988 regulatory determination, the above described waste is: (Check appropriate classification)  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-hazardous waste defined above.  For NON-EXEMPT waste only, the following documentation is attached (check appropriate items):  X MSDS Information Other (description)  X 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):  Principal Environmental Scientist	4. Source and Description of Waste	cutralized with liquid caustic soda				
Recovery Act (RCRA) and Environmental Protection Agency's July, 1988 regulatory determination, the above described waste is: (Check appropriate classification)  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-hazardous waste defined above.  For NON-EXEMPT waste only, the following documentation is attached (check appropriate items):  X MSDS Information Other (description)  X 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): Principal Environmental Scientist		representative for:				
and that nothing has been added to the exempt or non-hazardous waste defined above.  For NON-EXEMPT waste only, the following documentation is attached (check appropriate items):  \[ \frac{X}{A}  \text{MSDS Information}  \text{Other (description)} \\ \frac{X}{A}  \text{RCRA Hazardous Waste Analysis} \\ \text{Chain of Custody} \]  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):  \[ \text{Principal Environmental Scientist} \]	Recovery Act (RCRA) and Environmental Protection A					
For NON-EXEMPT waste only, the following documentation is attached (check appropriate items):    X	EXEMPT Oilfield waste X					
X   MSDS Information   Other (description)	and that nothing has been added to the exempt or non-h	azardous waste defined above.				
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):  Principal Environmental Scientist	For NON-EXEMPT waste only, the following docume	entation is attached (check appropriate items):				
Name (Original Signature):  Principal Environmental Scientist	X RCRA Hazardous Waste Analysis					
Title: Principal Environmental Scientist		Naturally Occurring Radioactive Material (NORM) pursuant to 20 NMAC 3.1				
	Name (Original Signature):	I Bay				
Date: January 2, 2004	Title: Principal E	nvironmental Scientist				
	Date: January 2,	2004				

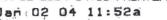
Oil Conservation Division \* 1000 Rio Brazos Road \*

Aztcc, NM87410

Phone: (505) 334-6178

\* Fax (505) 334-6170 \*

http://www.emnrd.state.nm.us





### Sierra Chemicals L.C. 104 Bison Trail Aztec N.M. 87410 Phone (505)-334-6449 Fax (505)-334-9530

#### **TECHNICAL ANALYSIS**

Sierra Rep: J.M. Code: 10100875

Sampling Point/Date: Tank Valve 12/30/03 State: New Mexico

Company: El Paso - Chaco Plant County: San Juan

Formation: N.A. Well: Lease:

Waste Water pH Testing

Identification: 6.8

> pH #2 7.2

6.9

Remarks: Sierra Chemicals ran three pH tests one hour apart as the waste water was

being circulated. The average of the 3 tests is a pH = 6.96



# Sierra Chemicals L.C.

104 Bison Trail Aztec N.M. 87410 Phone (505)-334-6449 Fax (505)-334-9530

#### **TECHNICAL ANALYSIS**

Date: 1/2/04

Sierra Rep: J.M.

Code: 10100875

Sampling Point/Date: Tank Valve 12/30/03

State: New Mexico

Company: El Paso - Chaco Plant

County: San Juan

Formation: N.A.

Lease:

Well:

Description:

Waste Water pH Testing

Identification:

pH #1

6.8

pH #2

7.2

pH #3

6.9

Remarks: Sierra Chemicals ran three pH tests one hour apart as the waste water was

being circulated. The average of the 3 tests is a pH = 6.96

AHNDANE & Seign Cham



Material Name: Sodium Hydroxide (Caustic Soda)

ID: C1-142

# \* \* \* Section 1 - Chemical Product and Company Identification

Part Number: Technical Flake, Micropearls, and Beads Chemical Name: Sodium Hydroxide (Caustic Soda)

Product Use: For Commercial Use

Synonyms: Caustic soda; Sodium hydrate: Lye: White caustic Liquid caustic.

**Manufacturer Information** 

Chem One Corporation (Importer of record)

15150 Sommermeyer, Suite 100

Houston, Texas 77041-5308

Phone: (713) 896-9966

Fax; (713) 896-7540 Emergency # I-800-424-9300

#### **General Comments**

NOTE: Emergency telephone numbers are to be used only in the event of chemical emergencies involving a spill, leak, fire. exposure, or accident involving chemicals. All non-emergency questions should be directed to customer service.

# \* \* \* Section 2 - Composition / Information on Ingredients \* \* \*

CAS#	Component	Percent
1310-73-2	Sodium Hydroxide	98-100

#### Component Information/Information on Non-Hazardous Components

This product is considered hazardous under 29 CFR 1910.1200 (Hazard Communication).

#### \* \* \* Section 3 - Hazards Identification \* \* \*

#### **Emergency Overview**

Product is a white, non-volatile solid available in flake, micropearl, and bead form. Corrosive. May cause severe burns to eyes and skin. Causes respiratory tract irritation. Harmful or fatal if swallowed. Contact with water may generate heat and ignite combustible materials. Sodium hydroxide is one of the strongest alkaline caustics, and can react violently when in contact with many other substances. Keep away from water, strong acids, metals, organohalogen compounds, and nitro and chloro organic compounds.

#### Hazard Statements

DANGER -- CORROSIVE. CAUSES SEVERE IRRITATION AND BURNS TO THE EYES, SKIN, AND DIGESTIVE TRACT. CAUSES RESPIRATORY TRACT IRRITATION. MAY BE FATAL IF SWALLOWED. Do not get in eyes, on skin, or on clothing. Do not breathe dust or mist. Wash thoroughly after handling. Keep container closed, Use only with adequate ventilation. Keep away from water, strong acids, metals, organohalogen compounds, and nitro and chloro organic compounds.

### Potential Health Effects: Eyes

Corrosive to eyes. Contact of the solid or concentrated liquid with the eyes can disintegrate the corneal and conjunctival epithelia and cause corneal opacification. Symptoms can include scarring, blistering, ulceration, clouding of the eye tissue. and blindness. Delayed effects may include glaucoma and cataracts.

#### Potential Health Effects: Skin

Corrosive to the skin. Can cause severe burns, ulceration and permanent scarring. Damage to skin may not be apparent until many hours following exposure.

#### Potential Health Effects: Ingestion

Harmful or fatal if swallowed. Ingestion causes severe irritation of the mouth, throat, and csophagus. Symptoms may include burning pain, vomiting, diarrhea, hypersalivation, shortness of breath, potential glottic edema with respiratory compromise, collapse and possibly death. Concentrated solutions can cause perforation of the stomach or gastrointestinal tract and corrosion and necrosis of the lips, mouth, tongue, pharynx, esophagus, and gastric mucosa,

#### Potential Health Effects: Inhalation

May cause irritation or inflammation of the nose, throat, and lungs. Inhalation of the aerosol may cause fluid accumulation in the lungs. Effects of inhalation may be delayed. Overexposure may cause ulceration of nasal passages. Chronic overexposure may cause obstructive airway disease.

HMIS Ratings: Health: 3 Fire: 0 Reactivity: 1 Pers. Prot.: chemical goggles/face shield, impervious gloves, apron

Page I of 7 Issue Date: 08/10/98 Revision: 1.0000 Print Date: 02/17/99

Material Name: Sodium Hydroxide (Caustic Soda)

ID: C1-142

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serions 4 = Severe \* = Chronic hazard

\* \* \* Section 4 - First Aid Measures \* \* \*

First Aid: Eves

Immediately flush the contaminated eye with plenty of water for 15 minutes. If irritation persists, seek medical advice immediately.

First Aid: Skin

Superficial irrigation of the burn is helpful only if begun immediately after exposure. Immediately irrigate exposed skin with copious amounts of water for at least 15 minutes or longer, depending on the concentration, amount, and duration of exposure. Seek medical advice. Completely decontaminate clothing, shoes, and leather goods before reuse. SEVERE BURNS CAN OCCUR EVEN WITH DILUTE SOLUTIONS IF THE TISSUE IS NOT PROMPTLY DECONTAMINATED.

First Aid: Ingestion

Have victim rinse mouth thoroughly with water. DO NOT INDUCE VOMITING. Immediately give 4 to 8 ounces of water or milk. Obtain medical advice immediately.

If symptoms are experienced, remove source of contamination or move victim to fresh air. If the affected person is not breathing, apply artificial respiration. If symptoms persist, obtain medical advice immediately.

First Aid: Notes to Physician

Provide general supportive measures. Prolonged skin irrigation may be required in severe cases, occasionally up to 12 to 24 hours. Debridement of the burn and skin grafting are more successful if performed early, and may prevent delayed necrosis.

Method Used: Not applicable

Lower Flammable Limit (LFL): Not applicable

\* \* \* Section 5 - Fire Fighting Measures \* \* \*

Flash Point: Not applicable

Upper Flammable Limit (UFL): Not applicable

Auto Ignition: Not available

Rate of Burning: Not applicable

General Fire Hazards

Flammability Classification: Not applicable

considerable amount of heat and ignite combustible materials.

Hazardous Combustion Products Fire may produce irritating, corrosive and/or toxic gases. Some are oxidizers and may ignite combustibles. Can produce

Product will not burn or support combustion. Water reactive. If in contact with moisture or water, this product can create a

flammable hydrogen gas upon reaction with most metals. When heated to decomposition, it emits toxic funies of sodium oxide, peroxides, or carbonates.

**Extinguishing Media** 

Use any method suitable for surrounding fire. Water can be used to extinguish fire as long as the water does not come into contact with the sodium hydroxide. Use water spray to keep fire-exposed containers cool.

Fire Fighting Equipment/Instructions

Firefighters should wear full protective clothing including self contained breathing apparatus. Runoff from fire control or dilution water may be corrosive and/or toxic and cause pollution. Sodium hydroxide can melt and flow when heated.

NFPA Ratings: Health: 3 Fire: 0 Reactivity: 1 Other:

Hazard Scale: () = Minimal 1 = Slight 2 = Moderate 3 = Scrious 4 = Severe

\* \* \* Section 6 - Accidental Release Measures \* \* \*

Containment Procedures

Stop or reduce leak if safe to do so.

Clean-Up Procedures

Eliminate all ignition sources. Prevent material from entering sewers or waterways. Put material in suitable, covered, labeled containers.

Evacuation Procedures.

Keep unnecessary personnel away. Close off area.

Page 2 of 7

Issue Date: 08/10/98 Revision: 1 0000

Print Date: 02/17/99

Material Name: Sodium Hydroxide (Caustic Soda)

ID: C1-142

Special Procedures

Wear adequate personal protective equipment. Do not allow the material to contact eyes, skin, or clothing. Do not inhale dusts. Ventilate the area.

# \* \* \* Section 7 - Handling and Storage \* \* \*

Handling Procedures

Avoid generation of dusts. Do not inhale dusts. Do not allow product to contact eyes, skin, or clothing. Use in designated areas with adequate ventilation. Use caution when preparing solutions as large amounts of heat may evolve. Solutions are extremely corrosive. Keep in air-tight containers. Wash hands thoroughly after handling. Do not reuse the empty container.

Storage Procedures

Store in a cool, dry, well-ventilated area. Store in suitable labeled containers. Solutions are extremely corrosive. Keep the container tightly closed -- product rapidly absorbs carbon dioxide and water from the air. Containers of nickel alloys are preferred.

## Section 8 - Exposure Controls / Personal Protection \* \* \*

#### Exposure Guidelines

A: General Product Information

Follow the ACGIH recommended exposure limits.

B: Component Exposure Limits Sodium Hydroxide (1310-73-2)

ACGIH: C 2 mg/m3 OSHA: C 2 mg/m3 NIOSH: C 2 mg/m3

**Engineering Controls** 

Use general mechanical ventilation. Local exhaust is suggested for use, where possible, in enclosed or confined spaces.

PERSONAL PROTECTIVE EQUIPMENT Personal Protective Equipment: Eyes/Face

Chemical goggles, and a face shield if splashing is possible,

Personal Protective Equipment: Skin

Wear appropriate work gloves for type of operation. Neoprene or polyvinyl chloride gloves are recommended. Gloves should be tested to determine their suitability for prolonged contact with this material. Use of protective coveralls and long sleeves is recommended.

Personal Protective Equipment: Respiratory

If airborne concentrations are above the applicable exposure limits, use NIOSH-approved respiratory protection.

Personal Protective Equipment: General

Evewash fountains and emergency showers are required. Use good hygiene practices when handling this material including changing and laundering work clothing after use.

# \* \* \* Section 9 - Physical & Chemical Properties \* \* \*

Appearance: White

Odor: Odorless

Physical State: Solid Vapor Pressure: Zero

pH: 14 (5% solution) Vapor Density: Not applicable

Boiling Point: 2534 deg F (1390 deg C) (a) 760 mmHg

Melting Point: 605.1 deg F (318.4 deg C)

Solubility (H2O): 1 g dissolves in 0.9 ml water

Specific Gravity: 2.130 (2) deg C (water=1)

Freezing Point: Not applicable

Particle Size: Not determined

Softening Point: Not applicable

Molecular Weight: 40.01

Bulk Density: Not available

Issue Date: 08/10/98 Revision: 1.0000

Print Date: 02/17/99

Material Name: Sodium Hydroxide (Caustic Soda)

m: C1-142

Physical Properties: Additional Information

The data provided in this section is to be used for product safety handling purposes. Please refer to Product Data Sheets, Certificates of Conformity or Certificates of Analysis for chemical and physical data for determinations of quality and for formulation purposes.

\* \* \* Section 10 - Chemical Stability & Reactivity Information \* \* \*

#### Chemical Stability

Stable

Chemical Stability: Conditions to Avoid

Avoid contact with moisture, water, and all other incompatible materials listed in Section 10.

#### Incompatibility

Acids - may react violently.

Water - reaction may generate enough heat to ignite combustible materials.

Metals (such as aluminum, tin and zinc) - reaction may produce flammable and explosive hydrogen gas.

Organohalogen compounds - may react to form spontaneously combustible compounds.

Nitro and chloro organic compounds - may react explosively.

Aluminum + arsenic compounds - form the poisonous gas arsine.

1,2,4,5-tetrachlorobenzene - vigorous reaction, forms extremely toxic 2.3,7,8-tetrachlorodibenzodioxin.

Potentially explosive reaction with bromine; 4-chlorobutyronitrile; 4-chloro-2-methylphenol (in storage); nitrobenzene + heat: sodium tetrahydroborate: 2.2.2-trichloroethanol: zirconium + heat.

Reacts to form explosive products with ammonia + silver nitrate, and trichloroethylene.

Under certain conditions of temperature and pressure it can ignite or react violently with acetic acid; acetaldehyde: acetic anhydride; acrolein; acrylonitrile; allyl alcohol; allyl chloride; aluminum; chloroform + methanol; hydrochloric acid;

hydrofluoric acid; maleic anhydride: nitric acid; oleum; phosphorous; sulfuric acid; diborane + octanol oxime;

hydroguinone; 4-methyl-2-nitrophenol; and cinnamaldehyde.

#### **Hazardous Decomposition**

Fire may produce irritating, corrosive and/or toxic gases. Some are oxidizers and may ignite combustibles. Can produce flammable hydrogen gas upon reaction with most metals. When heated to decomposition, it emits toxic fumes of sodium oxide, peroxides, or carbonates.

#### Hazardous Polymerization

Will not occur.

Issue Date: 08/10/98 Revision: 1.0000 Print Date: 02/17/99

Page 4 of 7

#### FAGE

**Material Safety Data Sheet** 

Material Name: Sodium Hydroxide (Caustic Soda)

ID: C1-142

# \* \* \* Section 11 - Toxicological Information \* \* \*

#### Acute and Chronic Toxicity

#### A: General Product Information

Sodium hydroxide is one of the strongest alkaline caustics. Sodium hydroxide is a strong irritant and is corrosive to the skin, eyes, and mucous membranes. It can cause severe burns and permanent damage to any tissue with which it comes in contact. The severity of the tissue damage caused by sodium hydroxide is a function of its concentration, the length of tissue contact time, and local conditions and skin type. Severe burns to skin can occur even with dilute solutions if the tissue is not promptly decontaminated. Can cause severe burns, ulceration and permanent scarring. Damage to skin may not be immediately apparent, and may be latent in onset due to formation of alkaline albuminates and fatty soaps in the tissue. When sodium hydroxide comes into contact with the skin it does not usually cause immediate pain, but it does cause immediate damage. Contact of the solid or concentrated liquid with the eyes can disintegrate the corneal and conjunctival epithelia and cause corneal opacification. Symptoms can include scarring, blistering, ulceration, clouding of the eye tissue and blindness. Delayed effects may include glaucoma and cataracts. Sodium hydroxide fails to coagulate protein, which would serve to prevent further penetration. Therefore, upon contact with eyes, washing with water must be started as quickly as possible, and continued for at least 15 minutes to prevent permanent injury. May cause irritation or inflammation of the nose, throat, and lungs. Inhalation of the aerosol may cause pulmonary edema. Effects of inhalation may be delayed. Overexposure may cause ulceration of nasal passages. Chronic overexposure may cause obstructive airway disease. Repeated exposure to mists or aerosols of sodium hydroxide can produce tolerance to its irritant effects. Ingestion of large doses may cause irritation of the mouth, throat and esophagus. Symptoms may include a burning pain, vomiting, diarrhea, hypersalivation, shortness of breath, potential glottic edema with respiratory compromise, collapse and possibly death. There may be a delay of weeks or months for esophageal strictures to form following ingestion. Concentrated solutions can cause perforation of the stomach or gastrointestinal tract and corrosion and necrosis of the lips, mouth, tongue, pharyux, esophagus, and gastric mucosa.

#### B: Component Analysis - LD50/LC50

No LD50/LC50's are available for this product's components.

#### Carcinogenicity

#### A: General Product Information

Squamous cell carcinomas arise frequently in tissue healing from sodium hydroxide burns. These cancers probably arise as a result of nonspecific irritant action on the tissue and abnormalities in the regenerative process, rather than due to a specific carcinogenic effect of sodium hydroxide.

#### **B:** Component Carcinogenicity

None of this product's components are listed by ACGIH, IARC. OSHA, NIOSH, or NTP.

#### Epidemiology

Information not available.

#### Neurotoxicity

Information not available.

#### Mutagenicity

Sodium hydroxide induced chromosome aberrations in grasshoppers and hamster lung cells, and also possibly in other test systems. However, pH alterations from agents such as sodium hydroxide can cause false positive results in short-term genetic assays.

#### Teratogenicity

Sodium hydroxide at a concentration of 0.001 Molar injected directly into the amniotic fluid was not teratogenic to rats, but was slightly embryotoxic.

#### Other Toxicological Information

None

# \* \* \* Section 12 - Ecological Information \* \* \*

#### **Ecotoxicity**

#### A: General Product Information

Expected to be highly toxic to aquatic organisms and ecosystems due to effects on pH.

Page 5 of 7

Issue Date: 08/10/98 Revision: 1.0000

Print Date: 02/17/99

Material Name: Sodium Hydroxide (Caustic Soda)

ID: C1-142

B: Ecotoxicity

LC100: Cyprinus Carpio 180 PPM/24 hr @ 25 Deg C

**Environmental Fate** 

Product is not expected to accumulate in the food chain.

# \* \* \* Section 13 - Disposal Considerations \* \* \*

#### US EPA Waste Number & Descriptions

#### A: General Product Information

Wastes may be classified as D002, D003 (Corrosive, Reactive Waste). You must test your waste using methods described in 40 CFR Part 261 to determine if it meets applicable definitions of hazardous wastes.

**B:** Component Waste Numbers

No EPA Waste Numbers are applicable for this product's components.

**Disposal Instructions** 

Review federal, provincial, and local government requirements prior to disposal. Disposal by controlled incineration or secure landfill may be acceptable.

# \* \* \* Section 14 - Transportation Information \* \* \*

#### **US DOT Information**

Shipping Name: RQ, Sodium Hydroxide, Solid

Hazard Class: 8 UN/NA #: UN1823 Packing Group: II

Required Label(s): CORROSIVE

Additional Info.: For packagings less than 1000 pounds, the RQ can be deleted from the shipping description.

International Transportation Regulations

NOTE: The data in this section (Section 14) is meant as a guide to the overall classification of the product. However, transportation classifications may be subject to change with changes in package size. Consult shipper requirements under I.M.O., I.C.A.O. (I.A.T.A.) and 49 CFR to assure regulatory compliance.

LM.O. Classification: Sodium Hydroxide, Solid, 8, UN1823, PGII, EmS No. 8-06, MFAG Table No. 705 (IMDG Code page 8225-1).

#### \* \* \* Section 15 - Regulatory Information \* \* \*

#### **US Federal Regulations**

#### A: General Product Information

None.

#### B: Component Analysis

This material contains one or more of the following chemicals required to be identified under SARA Section 302 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65) and/or CERCLA (40 CFR 302.4).

Sodium Hydroxide (1310-73-2)

CERCLA: final RQ = 1000 pounds (454 kg)

#### State Regulations

#### A: General Product Information

Other state regulations may apply.

B: Component Analysis - State

The following components appear on one or more of the following state hazardous substances lists:

Page 6 of 7

Issue Date: 08/10/98 Revision: 1.0000

Print Date: 02/17/99

Material Name: Sodium Hydroxide (Caustic Soda)

ID: C1-142

Component	CAS#	CA	FL	MA	MN	NJ	PA
Sodium Hydroxide	1310-73-2	Yes	Yes	Yes	Yes	Yes	Yes

Other Regulations

A: General Product Information

Not determined.

B: Component Analysis - Inventory

Component	CAS#	TSCA	DSL	EINECS
Sodium Hydroxide	1310-73-2	Yes	Yes	Yes

C: Component Analysis - WHMIS IDL

The following components are identified under the Canadian Hazardous Products Act Ingredient Disclosure List:

Component	CAS#	Minimum Concentration
Sodium Hydroxide	1310-73-2	1% item 1442 (998)

## \* \* \* Section 16 - Other Information \* \* \*

#### Other Information

Chem One Corp. ("Chem One") shall not be responsible for the use of any information, product, method, or apparatus herein presented ("Information"), and you must make your own determination as to its suitability and completeness for your own use, for the protection of the environment, and for health and safety purposes. You assume the entire risk of relying on this Information. In no event shall Chem One be responsible for damages of any nature whatsoever resulting from the use of this product or products, or reliance upon this Information. By providing this Information, Chem One neither can nor intends to control the method or manner by which you use, handle, store, or transport Chem One products. If any materials are mentioned that are not Chem One products, appropriate industrial hygiene and other safety precautions recommended by their manufacturers should be observed. Chem One makes no representations or warrantics, either express or implied of merchantability, fitness for a particular purpose or of any other nature regarding this information, and nothing herein waives any of Chem One's conditions of sale. This information could include technical inaccuracies or typographical errors. Chem One may make improvements and/or changes in the product (s) and/or the program (s) described in this information at any time. If you have any questions, please contact us at Tel. 713-896-9966 or E-mail us at Safety/@chemoue.com. Revision Information: Revised 08/10/98.

#### Key/Legend

EPA = Environmental Protection Agency: TSCA = Toxic Substance Control Act: ACGIH = American Conference of Governmental Industrial Hygienists: IARC = International Agency for Research on Cancer: NIOSH = National Institute for Occupational Safety and Health; NTP = National Toxicology Program: OSHA = Occupational Safety and Health Administration

Contact: Clare Welker

Contact Phone: (713)-896-9966

This is the end of MSDS # C1-142

Page 7 of 7 Issue Date: 08/10/98 Revision: 1.0000 Print Date: 02/17/99



# REACT 104



				-
	PRO	DOUCT IDENTIFICA	TION	
		CIEDD A CUI	MONETIC	
		P.O. Box 352	MICALS, LLC	
MANUFACTURER'S ADDRESS:		-		
		Durango, CO		
EMERGENCY PHONE NUMBER		(970) 259-975	7	
	WE	IMIS CLASSIFICATIO	ON: E	
PRODUCT USE:		ACIDIC CLEA	NER	
	HA	ZARDOUS INGREDI	ENTS	
		DATOGO MOREDI	3470	
HAZARDOUS INGREDIENT	PERCENT	CAS NUMBER	l.D <sub>ss</sub>	LC
Phosphoric scid	60 -100	7664-38-2	1530 mg/Kg (Rat Oral)	20,000 ppm/10hr (Rat)
Dipropyleneglycol methyl ether	1-5	34590-94-8	5380 mg/Kg (Rat Oral)	Not available
			3()	
		PHYSICAL DATA		The state of the second
PHYSICAL STATE:		Limid	ı	
ODOUR AND APPEARANCE:		Colon	rless to pale yellow liquid with	h a mild odour
ODOUR THRESHOLD:				
BOILING POINT:		Not an	railable	
VAPOUR PRESSURE:		Not at	vailable	
VAPOUR DENSITY (AIR=1):		Not at	railable	;
SPECIFIC GRAVITY:				
EVAPORATION RATE:			ailable	
FREEZING POINT:				
рН:		1-2 de	pending on dilution.	
COEFFICIENT OF OILWATER DIS	TRIBUTION:	Not a	vailable	
	FRE	AND EXPLOSION H	AZARD	
CONDITIONS OF FLAMMABILITY: FLASHPOINT:				
MEANS OF EXTINCTION:				
HAZARDOUS COMBUSTION PROD				
EXPLOSION HAZARDS:				
UPPER FLAMMABLE LIMIT:				
LOWER FLAMMABLE LIMIT:		_	-	
AUTO-IGNITION TEMPERATURE:			•	
CENCITIVITY TO CTATIC INCLUAD			•	

\_Nor applicable

REACTIVITY DATA

SENSITIVITY TO STATIC DISCHARGE:..

# REACT 104

	Stable under normal conditions of storage and use.
CONDITIONS OF REACTIVITY:	
	Avoid contact with strong alkalis and strong oxidizing agents.
HAZARDOUS DECOMPOSITION PRODUCTS:	Oxides of carbon, and phosphorous on thermal decomposition.
TOXICOLOGICA	AL PROPERTIES
ROUTES OF ENTRY	
	Skin irritation and chemical burns on prolonged skin contact.
SKIN ABSORPTION:	Certain components may be absorbed throught the skin,
	contributing to overall exposure.
EYE	
	damage may result.
INHALATION:	
	throat, and respiratory tract.
INGESTION:	May cause corrosion of the mouth, throat, and G.I. tract.
ACUTE OVER EXPOSURE:	Irritation and possible burning of the eyes, skin, and mucous
	membranes. Dizziness, headacht, nausea, vomiting, and
	diarrhea and possible death on ingestion.
CHRONIC OVER EXPOSURE:	
EXPOSURE LIMITS:	Phosphoric acid: ACGIH TWA = 1 mg/m3
4	Dipropylene glycol methyl ether: ACGIH TWA = 100 ppm
	(skin)
IRRITANCY:	
PART 100 P 9 9 A 1	Nor svailable
CARCINOGENICITY AND REPRODUCTIVE EFFECTS:	
TERATOGENICITY AND MUTACENICITY:	
TOXICOLOGICALLY SYNERGISTIC PRODUCTS:	Not available
PREVENTATION	/E MEASURES
PERSONAL PROTECTIVE EQUIPMENT:	
PLOBITED BIG OCHTOCI C.	this product to prevent eye and skin contact,
ENGINEERING CONTROLS:	
LEAK AND SPILL PROCEDURES:	plenty of water. Dispose of comminated absorbent in
	accordance with all local environmental regulations.
WACTE DICTOR AT -	Dispose of waste material in accordance with all local
WASTE DISPOSAL:	environmental regulations.
HANDLING PROCEDURES AND EQUIPMENT:	Use recommended protective equipment when handling this
HANDLING PROCEDURES AND EQUIPMENT:	material. Contaminated clothing must be laundered before
	Wearing.
STORAGE REQUIREMENTS:	
SPECIAL SHIPPING INFORMATION:	PIN UNI 805
RESERVED RETAILED TO A CHARLE TO LINE THE PROPERTY OF THE PROP	Phosphoric acid solution
	Class 8(9.2) Packing Group III
	The state of the s

# **REACT 104**

#### FIRST AID MEASURES

SPECIFIC FIRST AID MEASURES: ..

In case of skin contact, flush promptly with abundant water. In case of ingestion, do not induce vomiting. Call a physician. Flush eyes with abundant water and consult a physician.

#### PREPARATION INFORMATION

PREPARED BY: \_\_\_\_\_Technical Service Department

#### DISCLAIMER

The information contained herein has been obtained from sources believed to be reliable. Guardian Chemicals Inc. provides no warranties express or implied and assumes no responsibility for the accuracy or completeness of the data provided.

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

# State of New Mexico Energy Minerals and Natural Resources

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Form C-138 Revised March 17, 1999

> Submit Original Plus 1 Copy to Appropriate District Office

# REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

1. RCRA Exempt: Non-Exempt:	4. Generator . Northstar Oil and Gas
Verbal Approval Received: Yes No 🖂	5. Originating Site Federal Strat Test C-1C
Management Facility Destination	6. Transporter: CF&M
3. Address of Facility Operator: Industrial Ecosystems Inc. P.O. Box 2043 Farmington, N.M. 87499	8. State: NM
7. Location of Material (Street Address or ULSTR) B Section 35, 24 N, 11 W	
<ul> <li>9. Circle One:         <ul> <li>A. All requests for approval to accept oilfield exempt wastes will be accompanied by one certificate per job.</li> <li>B. All requests for approval to accept non exempt wastes must be accompanied by no material is not-hazardous and the Generator's certification of origin. No waste cla approved</li> </ul> </li> <li>All transporters must certify the wastes delivered are only those consigned for transp</li> </ul>	ecessary chemical analysis to PROVE the ssified hazardous by listing or testing will be
BRIEF DESCRIPTION OF MATERIAL: Drilling Mud  Estimated Volume 80 BBLS Known Volume (to be entered by the operator at the	JAN 2004 FIGURE VAD OIL CONS. DIV. DIST. 9
SIGNATURE	DATE: <u>1/2/04</u>
TYPE OR PRINT NAME: AJ Blair TELEPHONE NO. (50	05) 632-1782
APPROVED BY: Charle Verm TITLE: Delity O	DATE: 1/16/04 26 ins DATE: 1/16/04



# 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  Northstar Oil and Gas PO Box 93 Farmington NM 87499	2. Destination Name:  J.F.J. Landfarm C/o Industrial Ecosystems Inc.  #81 CR 3250 Aztec, NM 87410						
Federal Strat	3. Originating Site (name):  Federal Strat Test C-1C  B Section 35, 24N, 11 W  attach list of originating sites as appropriate							
	nd Description of Waste							
I, John Co	Print Name	representative for :						
		do hereby certify that, according to the Resource l Protection Agency's July,1988, regulatory determination, the above						
_XEXEMPT oilfield	***************************************	N-EXEMPT oilfield waste which is non-hazardous by characteristic lysis or by product identification						
and that nothing has be	en added to the exempt or non-exemp	ot non –hazardous waste defined above.						
MSDS Int	zardous Waste Analysis	attached (check appropriate items):Other (description						
This waste is in comp NMAC 3.1 subpart 1-		turally Occurring Radioactive Material (NORM) pursuant to 20						
Name (Original Signa Title:	2/04							

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

RCRA Exempt:	<ul><li>4. Generator .    Basin Disposal</li><li>5. Originating Site    Basin Disposal</li></ul>						
Management Facility Destination	6. Transporter: Basin Disposal						
3. Address of Facility Operator: Industrial Ecosystems Inc. P.O. Box 2043 Farmington, N.M. 87499	8. State: NM						
<ol> <li>Location of Material (Street Address or ULSTR)</li> <li>Montana Ave</li> <li>Bloomfield NM 87413</li> </ol>							
9. Circle One:							
A. All requests for approval to accept oilfield exempt wastes will be accompanied by one certificate per job.  B. All requests for approval to accept non-exempt wastes must be accompanied by no material is not-hazardous and the Generator's certification of origin. No waste cla approved  All transporters must certify the wastes delivered are only those consigned for transp	eeessary chemical analysis to PROVE the ssified hazardous by listing or testing will be						
BRIEF DESCRIPTION OF MATERIAL: BS & W from settling pond  Estimated Volume 2000 BBLS Known Volume (to be entered by the operator at	t the end of the haul)						
SIGNATURE Waste Management Facility Authorized Agent TITLE:Manager_	DATE: _1/1/04_						
TYPE OR PRINT NAME: AJ Blair TELEPHONE NO. (50	05) 632-1782						
APPROVED BY: Charle # TITLE: Delsty De	1Engy DATE: 1/16/04 16 125 DATE: 1/16/04						



# 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

Generator Name and Address	2. Destination Name:
0	J.F.J. Landfarm C/o Industrial Ecosystems Inc.
Basin Disposal	#81 CR 3250 Aztec, NM 87410
·	
3. Originating Site (name):  Basia Disposa	ocation of the Waste (Street address &/or ULSTR):  200 Montana Ave CR 5046
attach list of originating sites as appropriate	Bloomfield NM 87413
4 Source and Description of Waste	
BS+W from settling pon	
I, Jimmy Barnes Print Name Basin Disposal	representative for :
Back Daniel	
Dasin Disposal	do hereby certify that, according to the Resource
Conservation and Recovery Act (RCRA) and Environmental Protection	n Agency's July, 1988, regulatory determination, the above
described waste is: (Check appropriate classification)	
	T oilfield waste which is non-hazardous by characteristic product identification
and that nothing has been added to the exempt or non-exempt non -haz	ardous waste defined above.
RCRA Hazardous Waste Analysis Chain of Custody	ner (description
This waste is in compliance with Regulated Levels of Naturally Occ NMAC 3.1 subpart 1403.C and D.	curring Radioactive Material (NORM) pursuant to 20
Name (Original Signature):	
Title: Plant MANAGEV	
Date: 1-13-04	

District I 1625 N. French Dr., Hobbs, NM 88240 D' trict [I 130] W. Grand Avenue, Artesia, NM 88210 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505

# Energy Minerals and Natural Resources

Form C-138 Revised March 17, 1999

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

NOV 0 9 2004

**OIL CONSERVATION** 

Submit Original Plus I Copy to Appropriate District Office

DIVISION

REQUEST FOR APPROVAL TO ACCEP	I SOLID WASTE						
1. RCRA Exempt: Non-Exempt:	4. Generator . Compressor Systems Inc.						
Verbal Approval Received: Yes No	5. Originating Site 32-Fed 34#2A						
2. Management Facility Destination: JFJ Landfarm L.L.C.	6. Transporter: Industrial Ecosystems Inc						
3. Address of Facility Operator: Industrial Ecosystems Inc. P.O. Box 2043 Farmington, N.M. 87499	8. State: NM						
7. Location of Material (Street Address or ULSTR) SEC 34, T32N,R9W lat 36° 94306 long 107° 77331							
A. All requests for approval to accept oilfield exempt wastes will be accompanied by one certificate per job.  B. All requests for approval to accept non-exempt wastes must be accompanied by no material is not-hazardous and the Generator's certification of origin. No waste cla approved  All transporters must certify the wastes delivered are only those consigned for transporters must certify the wastes delivered are only those consigned for transporters oil filter housing on motor cracked and sprayed oil onto location  Estimated Volume 35 (Known Volume (to be entered by the operator at the end of	ecessary chemical analysis to PROVE the assified hazardous by listing or testing will be port.						
SIGNATURE James Hatcher TITLE: Manage  Waste Management Facility Authorized Agent  TYPE OR PRINT NAME: James Hatcher TELEPHONE NO. (5)	CONTRACTOR OF THE PARTY OF THE						
APPROVED BY: Deny Teny FITTLE Encrolf APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: TITLE: ENVIRO	ENGR. DATE: 11/9/03						

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 F	'OR APPROVAL T	O ACCEPT SOLID	WASTE

1. RCRA Exempt: Non-Exempt:	4. Generator . Compressor Systems Inc.						
Verbal Approval Received: Yes No	5. Originating Site 32-Fed 34#2A						
2. Management Facility Destination: JFJ Landfarm L.L.C.	Transporter:     Industrial Ecosystems Inc						
3. Address of Facility Operator: Industrial Ecosystems Inc. P.O. Box 2043 Farmington, N.M. 87499	8. State: NM						
7. Location of Material (Street Address or ULSTR) SEC 34, T32N,R9W lat 36° 94306 long 107° 77331							
9. Circle One:							
A. All requests for approval to accept oilfield exempt wastes will be accompanied by one certificate per job.  (B.) All requests for approval to accept non-exempt wastes must be accompanied by ne material is not-hazardous and the Generator's certification of origin. No waste clarapproved	ecessary chemical analysis to PROVE the						
All transporters must certify the wastes delivered are only those consigned for transp	ort.						
BRIEF DESCRIPTION OF MATERIAL: Oil from oil filter housing on motor cracked and sprayed oil onto location							
Estimated Volume 3646 Known Volume (to be entered by the operator at the end of	the haul)						
SIGNATURE	NOV 2000						
(This space for State Use)							
APPROVED BY: Deny Fount TITLE: Enviro/	Eng. DATE: 11/8/04						
APPROVED BY:	DATE:						



# NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON

Governor

Joanna Prukop
Cabiset Secretary

Lori Wrotenbery
Director
Oil Conservation Division

## CERTIFICATE OF WASTE STATUS

I. Generator Name and Address	2. Destination Name:
Compressor systems Inc	Industrial Ecosystems Inc
P.O.BOX 1884	#81 CR3150
Bloomfield , nm 87413	AZtec, NM 87410
3. Originating Site (name):	Location of the Waste (Street address &/or ULSTR):
30-Fed 34#2A see34,732	n, Raw lat 360.94306 long 107477331
attach list of originating sites as appropriate	
4. Source and Description of Waste, Oil FROM Dil Filter Housing of	a menton arenal and and
Oil From oil Filter Housing	TO MOTOR COLUMN
speaked oil onto location,	5
01-900	
1. Mitch Davis	representative for :
Print Name	Topicomany tot
NCT.	
	do hereby certify that, according to the Resource
Conservation and Recovery Act (RCRA) and Environmental Protection described waste is: (Check appropriate classification)	on Agency's July, 1988, regulatory determination, the above
Y	
EXEMPT oilfield wasteNON-EXEM	APT oilfield waste which is non-hazardous by characteristic
analysis o	r by product identification
and that nothing has been added to the exempt or non-exempt non -h	azzardona maste defined above
and make reading has been added to the exempt of hori-exempt here—to	azarous waste defined above.
For NON-EXEMPT waste the following documentation is attached (	check appropriate items);
	her (description
RCRA Hazardous Waste Analysis	Con Cons
Chain of Custody	
This waste is in compliance with Regulated Levels of Naturally Oc NMAC 3.1 subpart 1403.C and D.	curring Radioactive Material (NORM) pursuant to 20
71-20	
Name (Original Signature):	
Fitle: Tack	
Phone Number:	
Date:	

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



# **COVER LETTER**

November 02, 2004

Mitch Davis **Industrial Ecosystems** P. O. Box 2043 Farmington, NM 87499 TEL: (505) 632-1782 FAX (505) 632-1876

RE: CSI Compressor

Dear Mitch Davis:

Hall Environmental Analysis Laboratory received 1 sample on 10/26/2004 for the analyses

Order No.: 0410247

presented in the following report.

These were analyzed according to EPA procedures or equivalent.

Reporting limits are determined by EPA methodology. No determination of compounds below these (denoted by the ND or < sign) has been made.

Please don't hesitate to contact HEAL for any additional information or clarifications.

Sincerely,

Andy Freeman, Business Manager

Nancy McDuffie, Laboratory Manager

CHAIN-OF-CUSTODY RECORD		Accreditation Applied:  NELAC USACE USACE  Other:					HALL ENVIRONMENTAL ANALYSIS LABORATORY 4901 Hawkins NE, Suite D Albuquerque, New Mexico 87109										•							
Client:		Cons	respor	Project Name:										Te	el. 50	05.3	45.3	975	Fa ntal.	x 50	05.34	45.4°	107	
Inde	stri	46	Ecosystems	CSI Project #:	0	mo	re.	SSOV				)		A	UAI	VC	C I	) E O	UE	CT	in the		** <u>.</u>	
Address:	#81	CR	3150	Project #:		i							A. 37			13			UE.		13		(4) (A)	
PO	Box	20	43							lly)				* **					1	9.0				
Phone #: 505-632-1782		Project Manager:					(8021)	asoline 0	s/Diesel)						PO, SO,	(8082)	15					(N or N)		
		2-1782	Sampler Joe Birkby					+ TMB's (8021)	- TPH (G	15B (Ga	18.1)	11.10	1211	4HD		3, NO <sub>2</sub> , F	/PCB's		A				pade	
Fax #: 5	05-	632	- 1876	Sample Temperat	ure:	10			員	E	od 80	hod 4	hod 5	hod 8	AorP	etals	CI, NC	cicides	OAJ	ni-V0				H
Date	Time	Matrix	Sample I.D. No.	Number/Volume	1	eservat	zive	HEAL No.	BTEX + MTBE	BTEX + MTBE + TPH (Gasoline Only)	TPH Method 8015B (Gas/Diesel)	TPH (Method 418.1)	EDB (Method 504.1)	EDC (Method 8021)	8310 (PNA or PAH)	RCRA 8 Metals	Anions (F, CI, NO3, NO2,	8081 Pesticides / PCB's (8082)	8260B (VOA)	8270 (Semi-VOA)				Air Buhhla
1/21/04	PM 12:00	Say	Soil Compression	2/902				04/0247-1								X			2					
				1					A races												- 1			
																		i e	-11.1					
							1							1	2					V-1				
																			2. 1 1 2.3 1 2 3 1	3				
											7					. 6								
																	12 14 14 14 14 14 14 14 14 14 14 14 14 14	- 1 - 1 - 1 - 1		30.				
																		N.						
																					1 8 24 1 8 14 1 7 2			
1 1 1 2														14.6.41			1 No.				100		er er	
				/	17		0							1000 A	1.3			\$100 E.C. 200 200 C.C.				- 12 - 12 - 14		
Date: 0/25/04	Time: 49	Relinquishe	ed By: (Signature)	Received	n	~ 1	AN	1026/04 mil301	Ren	narks:														
Date:	Time: (	Relinquishe	ed By: (Signature)	Received	By: (S	ignatur	e)													es i	A . 3 .	, in	1	

CLIENT:

Industrial Ecosystems

Work Order:

0410247

Project:

CSI Compressor

**QC SUMMARY REPORT** 

Method Blank

Sample ID MB-6764	Batch ID: 6764	Test Code: SW7	471 Units: mg/Kg	Analysis Date	e 11/1/2004	Prep Date 11/1/20	004
Client ID:		Run ID: MI-L	A254_041101B	SeqNo:	316704		
Analyte	Result	PQL SP	K value SPK Ref Val	%REC LowLimit Hig	hLimit RPD Ref Val	%RPD RPDLimit	Qual
Mercury	ND	0.033				whether the course has record to the course of the course	
Sample ID MB-6749	Batch ID: 6749	Test Code: SW6	010A Units: mg/Kg	Analysis Date	e 11/1/2004 11:58:03 AM	Prep Date 10/28/2	2004
Client ID:		Run ID: ICP_	041101A	SeqNo:	316800		
Analyte	Result	PQL SP	K value SPK Ref Val	%REC LowLimit Hig	hLimit RPD Ref Val	%RPD RPDLimit	Qual
Arsenic	ND	2.5				a facility of	
Barium	ND	0.1					
Cadmium	ND	0.1					
Chromium	ND	0.3					
Lead	ND	0.25					
Selenium	ND	2.5					
Silver	ND	0.25					

# Hall Environmental Analysis Laboratory

# Sample Receipt Checklist

Client Name IND ECO				Date and Time	Received:	10/2	26/2004
Work Order Number 0410247				Received by	AT		
Checklist completed by Signature	the		Date	10/26	104		
Matrix	Carrier name	FedE	Ξx				
Shipping container/cooler in good condition?		Yes	<b>V</b>	No 🗆	Not Present		
Custody seals intact on shipping container/coole	r?	Yes	<b>✓</b>	No 🗆	Not Present	Not Shipped	
Custody seals intact on sample bottles?		Yes		No 🗹	N/A		
Chain of custody present?		Yes	<b>V</b>	No 🗆			
Chain of custody signed when relinquished and	received?	Yes	<b>✓</b>	No 🗆			
Chain of custody agrees with sample labels?		Yes	<b>V</b>	No 🗆			
Samples in proper container/bottle?		Yes	<b>~</b>	No 🗆			
Sample containers intact?		Yes	$\checkmark$	No 🗆			
Sufficient sample volume for indicated test?		Yes	<b>✓</b>	No 🗆			
All samples received within holding time?		Yes	<b>V</b>	No 🗆			
Water - VOA vials have zero headspace?	No VOA vials subm	nitted	V	Yes	No 🗌		
Water - pH acceptable upon receipt?		Yes		No 🗌	N/A 🗹		
Container/Temp Blank temperature?			1°	4° C ± 2 Acceptal			
COMMENTS:							
Client contacted	Date contacted:			Perso	on contacted		
	Regarding						
Contacted by:	Regarding			,		 	
Comments:				***		 	
		*******				 	
					4700		
Corrective Action						 	

#### 173262 DOD Hazardous Materials Information System

DoD 6050.5-L

AS OF July 1998

FSC: 9150

NIIN: 013522962

Manufacturer's CAGE: 81230

Part No. Indicator: A

Part Number/Trade Name: CHEVRON RPM HEAVY DUTY MOTOR OIL SAE 15W-40 -----

=====

#### General Information

Item Name: LUBRICATING OIL, ENGINE Company's Name: CHEVRON U S A INC Company's Street: 575 MARKET ST Company's P. O. Box: 7643 Company's City: SAN FRANCISCO Company's State: CA Company's Country: US Company's Zip Code: 94120 Company's Emerg Ph #: 800-457-2022/510

Company's Emerg Ph #: 800-457-2022/510-233-3737 Company's Info Ph #: 800-582-3835

Distributor/Vendor # 1:

Distributor/Vendor # 1 Cage:

Distributor/Vendor # 2: Distributor/Vendor # 2 Cage:

Distributor/Vendor # 3: Distributor/Vendor # 3 Cage:

Distributor/Vendor # 4: Distributor/Vendor # 4 Cage:

Safety Data Action Code: Safety Focal Point: D Record No. For Safety Entry: 013 Tot Safety Entries This Stk#: 014 Status: SE

Date MSDS Prepared: 20MAR93
Safety Data Review Date: 14JUL93
Supply Item Manager: CX
MSDS Preparer's Name:
Preparer's Company:
Preparer's St Or P. O. Box:
Preparer's City:
Preparer's State:
Preparer's Zin Code:

Preparer's Zip Code:

Page 1

173262

Other MSDS Number:

MSDS Serial Number: BNCPG Specification Number: A-A-52306

Spec Type, Grade, Class: 15W-40 GRADE Hazard Characteristic Code: N1

Unit Of Issue: CO Unit Of Issue Container Qty: 5 GALLONS

Type Of Container: CONTAINER Net Unit Weight: 37.1 LBS

Report for NIIN: 013522962

NRC/State License Number: N/R

Net Explosive Weight:

Net Propellant Weight-Ammo: N/R

Coast Guard Ammunition Code: \_

#### \_\_\_\_

## Ingredients/Identity Information

Proprietary: NO Ingredient: DISTILLATES, HYDROTREATED HEAVY PARAFFINIC Ingredient: Sequence Number: 01 Percent: >75

Ingredient Action Code:

Ingredient Focal Point: D NIOSH (RTECS) Number: PY8035500 CAS Number: 64742-54-7

OSHA PEL: 5 MG/M3 (OIL MIST) ACGIH TLV: 5 MG/M3 (OIL MIST)

Other Recommended Limit: NONE SPECIFIED

Proprietary: NO Ingredient: PETROLEUM DISTILLATES, SOLVENT DEWAXED HEAVY PARAFFINIC

Ingredient Sequence Number: 02

Percent: <25

Ingredient Action Code: Ingredient Focal Point: D

NIOSH (RTECS) Number: PY8038500
CAS Number: 64742-65-0
OSHA PEL: 5 MG/M3 (OIL MIST)
ACGIH TLV: 5 MG/M3 (OIL MIST)
Other Recommended Limit: NONE SPECIFIED

Proprietary: NO Ingredient: ZINC ALKYL DITHIOPHOSPHATE, (PHOSPHORODITHIOIC ACID,O,O-DI

Page 2

173262 CL-14-ALKYL ESTERS, ZINC SALT) Ingredient Sequence Number: 03 Percent: <1.5 Ingredient Action Code: Ingredient Focal Point: D
NIOSH (RTECS) Number: 1001740ZA
CAS Number: 68649-42-3 OSHA PEL: NOT ESTABLISHED ACGIH TLV: NOT ESTABLISHED Other Recommended Limit: NONE SPECIFIED \_\_\_\_\_\_\_\_ Physical/Chemical Characteristics 4**027222222222** Appearance And Odor: DARK AMBER LIQUID. Boiling Point: NDA Melting Point: NDA Vapor Pressure (MM Hg/70 F): NA Vapor Density (Air=1): NA Specific Gravity: 0.89
Decomposition Temperature: UNKNOWN Report for NIIN: 013522962 Evaporation Rate And Ref: NA Solubility In Water: INSOLUBLE IN WATER. Percent Volatiles By Volume: NA Viscosity: 13.9CST @212F pH: NDA Radioactivity: Form (Radioactive Matl): Magnetism (Milligauss): N/P Corrosion Rate (IPY): NA Autoignition Temperature: Fire and Explosion Hazard Data Flash Point: 419F,2150 Flash Point Method: COC Lower Explosive Limit: NA Upper Explosive Limit: NA

Page 3

ENCLOSED OR CONFINED FIRE SPACE WITHOUT PROPER PROTECTIVE EQUIPMENT.

Extinguishing Media: CARBON DIOXIDE, DRY CHEMICAL, FOAM, WATER FOG. Special Fire Fighting Proc: FOR FIRES INVOLVING MATERIAL, DO NOT ENTER

173262 INCLUDING SELF-CONTAINED BREATHING APPARATUS Unusual Fire And Expl Hazrds: NORMAL COMBUSTION FORMS CARBON DIOXIDE, WATER VAPOR & MAY PRODUCE OXIDES OF SULFUR, NITROGEN & PHOSPHOROUS. INCOMPLETE COMBUSTION CAN PRODUCE CARBON MONOXIDE. 

Reactivity Data 

Stability: YES

Cond To Avoid (Stability): NO DATA AVAILABLE.

Materials To Avoid: MAY REACT WITH STRONG OXIDIZING AGENTS, SUCH AS CHLORATES, NITRATES, PEROXIDES, ETC.

Hazardous Decomp Products: NDA.

Hazardous Poly Occur: NO

Conditions To Avoid (Poly): NOT APPLICABLE

\_

=====

Health Hazard Data

LD50-LC50 Mixture: LD50 ORAL RAT IS > 5000 MG/KG

Route Of Entry - Inhalation: NO Route Of Entry - Skin: NO

Route Of Entry - Ingestion: NO

Health Haz Acute And Chronic: EYE & SKIN: THIS SUBSTANCE IS NOT EXPECT

ED

TO CAUSE PROLONGED OR SIGNIFICANT EYE OR SKIN IRRITATION, INGESTION & INHALATION: THE SYSTEMIC TOXICITY OF THIS SUBSTANCE HAS NOT BEEN DETERMINED. HOWEVER, IT SHOULD BE PRACTICALLY NON-TOXIC TO INTERNAL OR

GANS

IF SWALLOWED OR INHALED. Carcinogenicity - NTP: NO

Carcinogenicity - IARC: NO Carcinogenicity - OSHA: NO

Explanation Carcinogenicity: NONE OF THE INGREDIENTS IN THIS PRODUCT I

LISTED BY NTP, IARC OR OSHA AS A CARCINOGEN.
Signs/Symptoms Of Overexp: NONE SPECIFIED BY MANUFACTURER.
Med Cond Aggravated By Exp: NONE SPECIFIED BY MANUFACTURER.

Report for NIIN: 013522962

Emergency/First Aid Proc: EYES: AS A PRECAUTION FLUSH EYE WITH FRESH W ATER

FOR 15 MINUTES. SKIN: AS A PRECAUTION, WASH SKIN THOROUGHLY WITH SOAP

WATER. INGESTION: GIVE WATER OR MILK TO DRINK & TELEPHONE FOR MEDICAL

Page 4

173262 ADVICE, CONSULT MEDICAL PERSONNEL BEFORE INDUCING VOMITING, INHALATION : NO FIRST AID PROCEDURES REQUIRED. Precautions for Safe Handling and Use Steps If Matl Released/Spill: STOP THE SOURCE OF LEAK OR RELEASE. CLEA N UP RELEASE AS SOON AS POSSIBLE. CONTAIN LIQUID TO PREVENT FURTHER CONTAMINATION, CLEAN UP SMALL SPILLS USING APPROPIATE TECHNIQUES SUCH SORBENT MATERIALS OR PUMPING. Neutralizing Agent: NOT APPLICABLE Waste Disposal Method: CONTACT YOUR LOCAL ENVIRONMENTAL OFFICER. DISPO OF IN ACCORDANCE WITH ALL FEDERAL, STATE AND LOCAL REGULATIONS. Precautions-Handling/Storing: DO NOT WELD, HEAT OR DRILL CONTAINER. RESIDUE MAY IGNITE WITH EXPLOSIVE VIOLENCE IF HEATED SUFFICIENTLY. Other Precautions: CAUTIONI DO NOT USE PRESSURE TO EMPTY DRUM OR DRUM MAY RUPTURE WITH EXPLOSIVE FORCE, AVOID EYE AND SKIN CONTACT, DO NOT BREAT HE VAPORS. Control Measures 

Respiratory Protection: NO SPECIAL RESPIRATORY PROTECTION IS NORMALLY REQUIRED. HOWEVER, IF OPERATING CONDITIONS CREATE HIGH AIRBORNE CONCENTRATIONS, THE USE OF AN APPROVED RESPIRATOR IS RECOMMENDED. Ventilation: USE ADEQUATE VENTILATION TO KEEP THE AIRBORNE CONCENTRATIONS

OF THIS MATERIAL BELOW THE RECOMMENDED EXPOSURE STANDARD, Protective Gloves: NO SPECIAL PROTECTION IS USUALLY NEEDED. Eye Protection: NO SPECIAL PROTECTION IS USUALLY NEEDED. Other Protective Equipment: SKIN CONTCAT CAN BE MINIMIZED BY WEARING PROTECTIVE CLOTHING. EYE BATH AND SAFETY SHOWER. Work Hygienic Practices: WASH THOROUGHLY AFTER HANDLING AND BEFORE EATING.

LAUNDER CONTAMINATED CLOTHING BEFORE REUSE.

Suppl. Safety & Health Data: USED MOTOR OILS HAVE BEEN SHOWN TO CAUSE SKIN

CANCER WHEN REPEATEDLY APPLIED TO MOUSE SKIN WITHOUT ANY EFFORT TO REVOVE

THE MATERIAL BETWEEN APPLICATIONS, THERE IS NO EVIDENCE OF A CAUSAL

173262 RELATIONSHIP BETWEEN SKIN CANCER IN HUMANS AND EXPOSURE TO USED MOTOR OIL. ===== Transportation Data Transportation Action Code: Transportation Focal Point: D Trans Data Review Date: 93138 DOT PSN Code: ZZZ DOT Symbol: DOT Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION DOT Class: N/R DOT ID Number: N/R DOT Pack Group: DOT Label: N/R DOT/DoD Exemption Number: IMO PSN Code: ZZZ Report for NIIN: 013522962 IMO Proper Shipping Name: NOT REGULATED FOR THIS MODE OF TRANSPORTATIO IMO Regulations Page Number; N/R IMO UN Number: N/R IMO UN Class: N/R IMO Subsidiary Risk Label: N/R IATA PSN Code: ZZZ IATA UN ID Number: N/R IATA Proper Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATIO IATA UN Class: N/R IATA Subsidiary Risk Class: N/R IATA Label: N/R AFI PSN Code: ZZZ AFI Symbols: AFI Prop. Shipping Name: NOT REGULATED BY THIS MODE OF TRANSPORTATION AFI Class: N/R AFI ID Number: N/R AFI Pack Group: AFI Label: N/R AFI Special Prov: AFI Basic Pac Ref: MMAC Code: N.O.S. Shipping Name: Additional Trans Data:

#### 173262

```
Disposal Data
Disposal Data Action Code:
Disposal Data Focal Point:
Disposal Data Review Date:
Rec # For This Disp Entry:
Tot Disp Entries Per NSN:
Landfill Ban Item:
Disposal Supplemental Data:
1st EPA Haz Wst Code New:
1st EPA Haz Wst Name New:
1st EPA Haz Wst Char New:
1st EPA Acute Hazard New:
2nd EPA Haz Wst Code New:
2nd EPA Haz Wst Name New:
2nd EPA Haz Wst Char New:
2nd EPA Acute Hazard New:
3rd EPA Haz Wst Code New:
3rd EPA Haz Wst Name New:
3rd EPA Haz Wst Char New:
3rd EPA Acute Hazard New:
=====
                   Label Data
-----
                      Label Required: NO
Technical Review Date: 14JUL93
Label Date:
MFR Label Number: N/R
Label Status: F
Report for NIIN: 013522962
Common Name: CHEVRON RPM HEAVY DUTY MOTOR OIL SAE 30 Chronic Hazard; NO
Signal Word: CAUTION!
Acute Health Hazard-None: X
Acute Health Hazard-Slight:
Acute Health Hazard-Moderate:
Acute Health Hazard-Severe:
```

Page 7

Contact Hazard-None: X Contact Hazard-Slight: Contact Hazard-Moderate: Contact Hazard-Severe:

Fire Hazard-None:

5056328985

#### 173262

Fire Hazard-Slight: X Fire Hazard-Moderate: Fire Hazard-Severe: Reactivity Hazard-None: X Reactivity Hazard-Slight: Reactivity Hazard-Moderate: Reactivity Hazard-Severe: Special Hazard Precautions: DO NOT WELD, HEAT OR DRILL CONTAINER. RESI DUE MAY IGNITE WITH EXPLOSIVE VIOLENCE IF HEATED SUFFICIENTLY. IN CASE OF SPILL: STOP THE SOURCE OF LEAK OR RELEASE. CLEAN UP RELEASE AS SOON AS POSSIBLE, CONTAIN LIQUID TO PREVENT FURTHER CONTAMINATION. CLEAN UP SM ALL SPILLS USING APPROPIATE TECHNIQUES SUCH AS SORBENT MATERIALS OR PUMPIN G. FIRST AID: EYES: AS A PRECAUTION FLUSH EYE WITH FRESH WATER FOR 15 MIN UTES. SKIN: AS A PRECAUTION, WASH SKIN THOROUGHLY WITH SOAP & WATER. INGESTI ON: GIVE WATER OR MILK TO DRINK & TELEPHONE FOR MEDICAL ADVICE. CONSULT ME DICAL PERSONNEL BEFORE INDUCING VOMITING, INHALATION: NO FIRST AID PROCEDURE REQUIRED Protect Eye: Y Protect Skin: Y Protect Respiratory: Y Label Name: CHEVRON US A INC Label Street: 575 MARKET ST Label P.O. Box: 7643 Label City: SAN FRANCISCO Label State: CA Label Zip Code: 94120 Label Country: US Label Emergency Number: 800-457-2022/510-233-3737 Year Procured: 1992

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 <u>District IV</u> 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



Revised March 17, 1999 Submit Original Plus 1 Copy to Appropriate District Office

REQUEST FOR APPROVAL TO ACCEPT SOLID WASTE

RCRA Exempt:	<ul> <li>4. Generator .</li> <li>BP America Production Co.</li> <li>5. Originating Site Southern Ute 32-7, 18-6</li> </ul>						
2. Management Facility Destination JFJ Land	6. Transporter: Riley Industrial Corp.						
3. Address of Facility Operator: Industrial Ecosystems Inc Farmington, N.M. 87499	c. P.O. Box 2043	8. State: CO.					
7. Location of Material (Street Address or ULSTR) NW/SW Sec 18, T32N, R7W							
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  Tank bottom sludge and wash water recovered from cleaning operations on production tank  Estimated Volume Known Volume (to be entered by the operator at the end of the haul) 40 bbls							
SIGNATURE Waste Management Facility Authorized Agent  TITLE: Manager DATE: 10-20-03							
TYPE OR PRINT NAME: James Hatcher TELEPHONE NO(505) 632-1782							
(This space for State Use)							
APPROVED BY:	TITLE:	DATE:					
APPROVED BY:	TITLE:	DATE:					



# NEWMEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

**GARY E. JOHNSON** 

Governor
Betty Rivera
Cabinet Secretary

PAYKEY ZG XT 16ROUS

Lori Wrotenbery
Director
Oil Conservation Division

wod 2003 2083 8

## CERTIFICATE OF WASTE STATUS

1. Generator Name and Address  BP America  380 Amport Rd-  Durango, 60-8/30/  3. Originating Site (name):	<ol> <li>Destination Name:</li> <li>J.F.J. Landfarm C/o Industrial Ecosystems Inc.</li> <li>420 CR 3100 Aztec, NM 87410</li> </ol>									
	cation of the Waste (Street address &/or ULSTR):									
Souratern UTE 32-7; 18-6 NW/SW	Southern UTE 32-7; 18-6 NW/SW 518, T32N, R7W									
attach list of originating sites as appropriate										
4. Source and Description of Waste										
TANK BOTTOM SLUDGE FROM 3008	BL PRODUCTS WATER TANK									
I, JASON Martmez Print Name	representative for :									
B.P.	do hereby certify that, according to the Resource									
Conservation and Recovery Act (RCRA) and Environmental Protection Adescribed waste is: (Check appropriate classification)										
	oilfield waste which is non-hazardous by characteristic roduct identification									
and that nothing has been added to the exempt or non-exempt non-hazar	dous waste defined above.									
RCRA Hazardous Waste Analysis Chain of Custody	description									
This waste is in compliance with Regulated Levels of Naturally Occur NMAC 3.1 subpart 1403.C and D.	ring Radioactive Material (NORM) pursuant to 20									
Name (Original Signature): Manua Martin										
Title: Inspector										
Date: 8/27/03										
/										

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

1. RCRA Exempt: ☐ Non-Exempt: ☐ ☐ Verbal Approval Received: Yes ☑ No ☐	4. Generator De BP America Production Co.  5. Originating Site Southern Ute 32-7, 18-6	
2. Management Facility Destination JFJ Landfarm L.L.C.	6. Transporter: Riley Industrial Corp.	
3. Address of Facility Operator: Industrial Ecosystems Inc. P.O. Box 2043 Farmington, N.M. 87499	8. State: CO.	
<ol> <li>Location of Material (Street Address or ULSTR)</li> <li>NW/SW Sec 18, T32N, R7W</li> </ol>		
9. Circle One:		
A. All requests for approval to accept oilfield exempt wastes will be accompanied     one certificate per job.	by a certification of waste from the Generator;	
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		
Tank bottom sludge and wash water recovered from cleaning operations on production tank		
Estimated Volume _ Known Volume (to be entered by the operator at the end of the haul) _40 bbls		
SIGNATURE Waste Management Facility Authorized Agent  TITLE:Management	per DATE: 10-20-03	
TYPE OR PRINT NAME: James Hatcher TELEPHONE NO(505) 632-1782		
(This space for State Use)		
APPROVED BY: TITLE:	DATE:	
APPROVED BY: TITLE:	DATE:	

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

RCRA Exempt:	4. Generator . BP/ 380 Airport Road, Durango Co 81301  5. Originating Site Southern Ute 32-8, 13-6
2. Management Facility Destination JFJ Landfarm L.L.C.	6. Transporter: Riley Industrial Corp.
3. Address of Facility Operator: Industrial Ecosystems Inc. P.O. Box 2043 Farmington, N.M. 87499	8. State: Colorado
7. Location of Material (Street Address or ULSTR)	
SE/SW Sec 13, Township 32N, Range 8W	
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 ne material is not-hazardous and the Generator's certification of origin. No waste cla- approved	
All transporters must certify the wastes delivered are only those consigned for transp	ort.
BRIEF DESCRIPTION OF MATERIAL:	
Tank bottoms and Sludge washed from the bottom of production tank by Riley Corp.	Corre
Estimated Volume _ Known Volume (to be entered by the operator at the end of the	haul)30 bbls
SIGNATURE Waste Management Facility Authorized Agent  Manager  Waste Management Facility Authorized Agent	DATE: 10/6/03
TYPE OR PRINT NAME: James Hatcher	
(This space for State Use)	
APPROVED BY: Joney tout TITLE: Enviro/	Engr DATE: 10/9/03
APPROVED BY: Myll TITLE: geold	agist DATE/0-9-3



# NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

**GARY E. JOHNSON** 

Governor
Betty Rivera
Cabinet Secretary

PATKEY ZGXT 16 ROUS WO \$ 200320839 Lori Wrotenber Director Oil Conservation Division

1. Generator Name and Address  R. P. America	2. Destination Name: J.F.J. Landfarm C/o Industrial Ecosystems Inc.	
380 Amport Rd.	420 CR 3100 Aztec, NM 87410	
BP America 380 Amport Rol. Durango, Co. 8130/		
3. Originating Site (name): Loc	eation of the Waste (Street address &/or ULSTR):	
Sourcetern UTE 32-8; 13-6 SE/S	~ 513, T32N, R8W	
attach list of originating sites as appropriate		
4. Source and Description of Waste		
WATER ; OIL FIELD WASTE	- Scubhe	
	·	
I, JASON MANTINEZ Print Name	representative for :	
Print Name	Topicoonative to .	
$R_{-}$	*	
i I Day and A to (DCDA) and Emission and Day at in A	do hereby certify that, according to the Resource	
Conservation and Recovery Act (RCRA) and Environmental Protection A described waste is: (Check appropriate classification)	gency's July, 1988, regulatory determination, the above	
EXEMPT oilfield wasteNON-EXEMPT oilfield waste which is non-hazardous by characteristic		
analysis or by pro	duct identification	
and that nothing has been added to the exempt or non-exempt non -hazard	ous waste defined above.	
For NON-EXEMPT waste the following documentation is attached (chec MSDS Information Other		
RCRA Hazardous Waste Analysis	(description	
Chain of Custody		
This waste is in compliance with Regulated Levels of Naturally Occurr NMAC 3.1 subpart 1403.C and D.	ing Radioactive Material (NORM) pursuant to 20	
m	*,	
Name (Original Signature):		
Title: Inspector		
Date: 8/27/03		
/ /		

APPROVED BY:

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 4. Generator 1. BP/380 Airport Road, Durango Co 81301 1. RCRA Exempt: 🛛 Non-Exempt: □ Verbal Approval Received: Yes 🛛 No 🔲 5. Originating Site Southern Ute 32-8, 11-3 6. Transporter: 2. Management Facility Destination JFJ Landfarm L.L.C. Riley Industrial Corp. 3. Address of Facility Operator: Industrial Ecosystems Inc. P.O. Box 2043 8. State: Farmington, N.M. 87499 Colorado 7. Location of Material (Street Address or ULSTR) SE/SW Sec 11, Township 32N, Range 8W 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: Tank bottoms and Sludge washed from the bottom of production tank by Riley Corp. Known Volume (to be entered by the operator at the end of the haul) 35 bbls Estimated Volume SIGNATURE TITLE: Manager DATE: 10/6/03 Vaste Management Facility Authorized Agent TYPE OR PRINT NAME: \_ James Hatcher TELEPHONE NO. (505) 632-1782 (This space for State Use)



## NATURAL RESOURCES DEPARTMENT

GARY E. JOHNSON
Governor

Governor
Betty Rivera
Cabinet Secretary

Lori Wrotenbery
Director
Oil Conservation Division
ZSXT 46 Ron3
WO# 7003 20843

Generator Name and Address	2. Destination Name:	
BP America	J.F.J. Landfarm C/o Industrial Ecosystems Inc.	
380 AN port Rd.	420 CR 3100 Aztec, NM 87410	
Durango, Co. 87301		
3. Originating Site (name):	Location of the Waste (Street address &/or ULSTR):	
Southten Ute 32-8; 11-3 SE/S	SW, S11, T32N, R8W	
attach list of originating sites as appropriate		
4. Source and Description of Waste		
Permiss WATER: OIL FIELD SCHOLE		
	•	
I, JASON Martmer	representative for :	
Print Name		
B.P.	do hereby certify that, according to the Resource	
Conservation and Recovery Act (RCRA) and Environmental Protection described waste is: (Check appropriate classification)	Agency's July, 1988, regulatory determination, the above	
Y .		
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 empt non -haz	ardous waste defined above.	
For NON-EXEMPT waste the following documentation is attached (characteristics) OthCRA Hazardous Waste AnalysisChain of Custody	neck appropriate items): er (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): Joseph Montan		
Title: Inspector		
Date: 8/27/03		
,		

#### 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 ATTROVAL TO ACCET	BOLID WASLE
1. RCRA Exempt: ☑ Non-Exempt: □ □ Verbal Approval Received: Yes ☑ No □	4. Generator BP/ 380 Airport Road, Durango Co 81301  5. Originating Site Southern Ute 32-8, 11-4
2. Management Facility Destination JFJ Landfarm L.L.C.	6. Transporter: Riley Industrial Corp.
3. Address of Facility Operator: Industrial Ecosystems Inc. P.O. Box 2043 Farmington, N.M. 87499	8. State: Colorado
7. Location of Material (Street Address or ULSTR)	
NE/NE Sec 11, Township 32N, Range 8W	
9. Circle One:	
A. All requests for approval to accept oilfield exempt wastes will be accompanied by one certificate per job.  B. All requests for approval to accept non-exempt wastes must be accompanied by nematerial is not-hazardous and the Generator's certification of origin. No waste class approved	ccessary chemical analysis to PROVE the
All transporters must certify the wastes delivered are only those consigned for transporters	ort.
BRIEF DESCRIPTION OF MATERIAL:  Tank bottoms and Sludge washed from the bottom of production tank by Riley Corp.  Estimated Volume _ Known Volume (to be entered by the operator at the end of the l	haul)40 bbls
SIGNATURE Waste Management Facility Authorized Agent  Manager	DATE: 10/6/03
TYPE OR PRINT NAME: James Hatcher TELEPHONE NO	)(505) 632-1782
APPROVED BY: APPRO	DATE: 10/9/03 DATE: 10-9-3



# NEV MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

GARY E. JOHNSON

Governor Betty Rivera Cabinet Secretary Lori Wrotenbery
Director
Oil Conservation Division
ZGXT 16 Rous
Wo # 2003 20845

#### CERTIFICATE OF WASTE STATUS

-		
1	Generator Name and Address	2. Destination Name:
1	BP AMERICA	J.F.J. Landfarm C/o Industrial Ecosystems Inc.
	380 An Amot D	420 CR 3100 Aztec, NM 87410
	380 An Port Royal Durango Co. 81301 3. Originating Site (name): Lo	
	DurAngo (0. 81301	
	3. Originating Site (name):	cation of the Waste (Street address &/or ULSTR):
	Sourcotten Ute 32-8; 11-4 NEN	1E 511, T32N, R8W
	attach list of originating sites as appropriate	
-	4. Source and Description of Waste	
	PRODUCEO WATER OR FIELD SLU	v h C
-1	$ M_{\odot}$ $1$	
I,/	ASON Martinez	representative for :
	Print Name	
	13 N	1.1.1.200
	i ID A (DCDA) - IT i - A ID A A	do hereby certify that, according to the Resource
	tion and Recovery Act (RCRA) and Environmental Protection waste is: (Check appropriate classification)	Agency's July, 1988, regulatory determination, the above
described	waste is: (Check appropriate classification)	
XEVE	MPT oilfield waste NON-EXEMPT	oilfield waste which is non-hazardous by characteristic
EAL		roduct identification
	marysis or by pr	oddet identification
		*
and that no	othing has been added to the exempt or non-exempt non -hazar	dous waste defined above.
and that h	ouring has been added to the entempt of their entempt from the	
For NON-	EXEMPT waste the following documentation is attached (che	ck appropriate items):
i oi i oi		(description
_	RCRA Hazardous Waste Analysis	(Coordinate of the Coordinate
-	Chain of Custody	
_	Onubi of Custous	
This waste	e is in compliance with Regulated Levels of Naturally Occur	rring Radioactive Material (NORM) pursuant to 20
	1 subpart 1403.C and D.	( , , , , , , , , , , , , , , , , , , ,
	() m	V.
Vame (Or	iginal Signature): Jason / linta	•
Tame (Original Organical of The Control of The Cont		
Title: Fre Decter		
The state of the s		
Date: 8/27/03		
, att.		

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

Energy Minerals and Natural Resources

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

Revised March 17, 1999

Submit Original Plus 1 Copy to Appropriate District Office

REQUEST FOR APPROVAL TO ACCEP	T SOLID WASTE	
1. RCRA Exempt: ☑ Non-Exempt: ☐ ☐ ☐ Verbal Approval Received: Yes ☑ No ☐	4. Generator . BP/America 5. Originating Site Southern Ute 32-8, 12-7	
2. Management Facility Destination JFJ Landfarm L.L.C.	6. Transporter: Riley Industrial Corp.	
3. Address of Facility Operator: Industrial Ecosystems Inc. P.O. Box 2043 Farmington, N.M. 87499	8. State: Colorado	
7. Location of Material (Street Address or ULSTR)		
SW/SW of Sec. 12, Township 32N, Range 8W		
9. Circle One:		
A. All requests for approval to accept oilfield exempt wastes will be accompanied by one certificate per job.	a certification of waste from the Generator;	
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 transp	oort.	
BRIEF DESCRIPTION OF MATERIAL:	AND A CONTRACTOR	
Tank bottoms and Sludge washed from the bottom of production tank	for one	
Estimated Volume _ Known Volume (to be entered by the operator at the end of the	haul)40 bbls	
SIGNATURE Waste Management Facility Authorized Agent  Manager  Waste Management Facility Authorized Agent	DATE: 10/6/03	
TYPE OR PRINT NAME: James Hatcher TELEPHONE NO	O(505) 632-1782	
APPROVED BY: APPRO	Engr DATE: 10/9/03  0gist DATE: 10-9-3	



# NE MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

**GARY E. JOHNSON** 

Governor
Betty Rivera
Cabinet Secretary

Lori Wrotenber:
Director
Worf 2003 Conservation Division
Z0840
PAYREY # ZGXT 16 ROUS

1. Generator Name and Address  BP Americal  380 Am Port Pol.	Destination Name:  J.F.J. Landfarm C/o Industrial Ecosystems Inc.  420 CR 3100 Aztec, NM 87410
Dungues Co. 8/30/	
Durpingo Co. 8/30/ 3. Originating Site (name): Lo	cation of the Waste (Street address &/or ULSTR):
SOUTHERN UTE 32-8,12-7 SW/SI	N S12 732N R8W
attach list of originating sites as appropriate	
4. Source and Description of Waste	
From Producto Muzica Tanea, WAZ	si, Suone
1. JASON MARTINEZ	representative for :
Print Name	
R.P.	do heraby certify that according to the Decourse
Conservation and Recovery Act (RCRA) and Environmental Protection	do hereby certify that, according to the Resource Agency's July, 1988, regulatory determination, the above
described waste is: (Check appropriate classification)	1
EXEMPT oilfield wasteNON-EXEMPT	oilfield waste which is non-hazardous by characteristic
	roduct identification
	* "
and that nothing has been added to the exempt or non-exempt non -hazar	dous waste defined above.
For NON-EXEMPT waste the following documentation is attached (chec MSDS Information Other	ck appropriate items): (description
RCRA Hazardous Waste Analysis	(description
Chain of Custody	
This waste is in compliance with Regulated Levels of Naturally Occur NMAC 3.1 subpart 1403.C and D.	ring Radioactive Material (NORM) pursuant to 20
() Ool !	
Name (Original Signature):	, , *
Title: Inspector	
Date: 8/27/03	

- - - · · .

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

	LOODID WINDING
RCRA Exempt:	4. Generator BP/380 Airport Road, Durango Co 81301 5. Originating Site Southern Ute 32-8, 14-4
2. Management Facility Destination JFJ Landfarm L.L.C.	6. Transporter: Riley Industrial Corp.
3. Address of Facility Operator: Industrial Ecosystems Inc. P.O. Box 2043 Farmington, N.M. 87499	8. State: Colorado
7. Location of Material (Street Address or ULSTR)	
NW/NE of Sec. 14, Township 32N, Range 8W	
Circle One:      A. All requests for approval to accept oilfield exempt wastes will be accompanied by one certificate per job.      B. All requests for approval to accept non-exempt wastes must be accompanied by no material is not-hazardous and the Generator's certification of origin. No waste cla approved	ecessary chemical analysis to PROVE the
All transporters must certify the wastes delivered are only those consigned for transp	ort.
BRIEF DESCRIPTION OF MATERIAL:  Tank bottoms and Sludge washed from the bottom of production tank by Riley Corp.  Estimated Volume _ Known Volume (to be entered by the operator at the end of the	haul) _40 bbls
SIGNATURE Waste Management Facility Authorized Agent  Waste Management Facility Authorized Agent	DATE: 10/6/03
TYPE OR PRINT NAME: James Hatcher TELEPHONE NO	D(505) 632-1782
APPROVED BY: APPROVED BY: APPROVED BY: APPROVED BY: TITLE: gest	0/Engr DATE: 10/9/03 09/5+ DATE: 10-9-3



# NEW MEXICO ENERGY, JINERALS and NATURAL RESOURCES DEPARTMENT

**GARY E. JOHNSON** 

Governor
Betty Rivera
Cabinet Secretary

Lori Wrotenbery
Director
Oil Conservation Division
Z6XT 16 ROWS
WO# 2003 Z0842

1. Generator Name and Address  B. P. America 380 Amport Rd.  Dental Solution Site (hame):  1. Generator Name and Address  1. Generator Name and	2. Destination Name:  J.F.J. Landfarm C/o Industrial Ecosystems Inc.  420 CR 3100 Aztec, NM 87410	
3. Originating Site (hame):	ocation of the Waste (Street address &/or ULSTR):	
Sourcemelter 32-8; 14-4 N	W/NE SI4 T32N R8W	
attach list of originating sites as appropriate		
4. Source and Description of Waste		
WATER & Schone		
I, JASON Martmez Print Name	representative for :	
B.P.	do hereby certify that, according to the Resource	
Conservation and Recovery Act (RCRA) and Environmental Protection described waste is: (Check appropriate classification)	Agency's July, 1988, regulatory determination, the above	
EXEMPT oilfield wasteNON-EXEMPT	T oilfield waste which is non-hazardous by characteristic product identification	
and that nothing has been added to the exempt or non-exempt non -haza	rdous waste defined above.	
For NON-EXEMPT waste the following documentation is attached (cheMSDS InformationOtheRCRA Hazardous Waste AnalysisChain of Custody	eck appropriate items): er (description	
This waste is in compliance with Regulated Levels of Naturally Occu NMAC 3.1 subpart 1403.C and D.	rring Radioactive Material (NORM) pursuant to 20	
Name (Original Signature): Martin		
Title: Inspected		
Date: 8/27/03		

## 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 TOK MITKOVILE TO ACCES	I SOLID WILDIE
RCRA Exempt:	4. Generator BP/America 5. Originating Site Southern Ute 32-8, 12-6
2. Management Facility Destination JFJ Landfarm L.L.C.	6. Transporter: Riley Industrial Corp.
3. Address of Facility Operator: Industrial Ecosystems Inc. P.O. Box 2043 Farmington, N.M. 87499	8. State: Colorado
7. Location of Material (Street Address or ULSTR)	
SW/NE of Sec. 12, Township 32N, Range 8W	
A. All requests for approval to accept oilfield exempt wastes will be accompanied by one certificate per job.  B. All requests for approval to accept non-exempt wastes must be accompanied by no material is not-hazardous and the Generator's certification of origin. No waste cla approved	ecessary chemical analysis to PROVE the
All transporters must certify the wastes delivered are only those consigned for transp	ort.
BRIEF DESCRIPTION OF MATERIAL:	fi oction
Tank bottoms and Sludge washed from the bottom of production tank  Estimated Volume Known Volume (to be entered by the operator at the end of the	haul) 30 bbls
SIGNATURE Waste Management Facility Authorized Agent  Manager  Waste Management Facility Authorized Agent	DATE: 10/6/03
TYPE OR PRINT NAME: James Hatcher TELEPHONE NO	O(505) 632-1782
APPROVED BY: State Use)  APPROVED BY: State Use)  APPROVED BY: State Use)  TITLE: Encirc	DATE: 10/9/03
·	