NM1 - 5

INSPECTIONS & DATA

NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

BILL RICHARDSON
Governor
Joanna Prukop
Cabinet Secretary

Mark E. Fesmire, P.E.
Director
Oil Conservation Division

February 7, 2007

Mr. John Volkerding
General Manager
Basin Disposal, Inc.
P.O. Box 100
Aztec, NM 87410

RE: Determination Request Of Non-Domestic Waste Status
Commercial Surface Waste Management Facility Permit NM-1-005
Facility Location: SE/4 NW/4 of Section 3, Township 29 North, Range 11 West NMPM, San Juan County, New Mexico

Dear Mr. Volkerding:

The New Mexico Oil Conservation Division (OCD) has received and reviewed Basin Disposal, Inc.'s request to dispose of the produced water filters at a solid waste facility – the San Juan County Regional Landfill. The OCD has determined the laboratory analytical to demonstrate that the produced water filters satisfy the criteria specified in Section 712 of 19.15.9 NMAC and hereby grants the approval to dispose of the produced water filters at a solid waste facility.

OCD approval does not relieve Basin Disposal, Inc. of liability should its operations at this facility prove to have been harmful to fresh water, public health or the environment. Nor does it relieve Basin Disposal, Inc. of its responsibility to comply with the rules and regulations of any other governmental entity.

If you have any questions regarding this matter, please contact of me at (505) 476-3487 or brad.a.jones@state.nm.us.

Sincerely,

Brad A. Jones
Environmental Engineer

BAJ/baj

cc: OCD District III Office, Aztec

BASIN DISPOSAL, INC.
"SPECIALIZING IN DISPOSAL OF PRODUCED WATER AND DRILLING MUD
P.O. BOX 100 - AZTEC, NEW MEXICO 87410 - PHONE: (505) 334-3013

RECEIVED

JAN 22 2007

18 January, 2007

Brad Jones
EMNRD/OCD
Environmental Bureau
1220 South St. Francis Dr.,
Santa Fe, New Mexico 87505

Oil Conservation Division
1220 S. St. Francis Drive
Santa Fe, NM 87505

RE: Non-Domestic Waste, Subsection (D), Paragraph 2 of Section 19.15.9.712 NMAC.

Dear Mr. Jones;

Paragraph C of 19.15.9.712 NMAC states:
"Waste listed in Subsection D, Paragraph (2) of Section 19.15.9.712 NMAC may be disposed of at a solid waste facility after testing and prior written authorization of the division. Before authorization is granted, copies of test results must be provided to the division and to the solid waste facility where the waste is to be disposed. Disposal may commence only after written authorization of the division. In appropriate cases and so long as a representative sample is tested, the division may authorize disposal of a waste stream listed in Subsection D, Paragraph (2) of Section 19.15.9.712 NMAC without individual testing of each delivery."

Subsection D, Paragraph 2 (m) lists : *Produced water filters must be tested for Corrosivity (and drained and then air-dried for at least 48 hours before testing).*

Prior to injection of the produced water from Basin Disposal, the water is filtered through a set of 20um and a set of 5um filters. Basin Disposal requests permission to dispose of these filters at the San Juan County Regional Landfill operated by Waste Management.

Subsection E, Paragraph 2 (e) lists the method to be utilized as: EPA Method 1110. Because this method is a liquid method the laboratory we used for the analysis was unsure of the proper approach to be taken. In an email dated 1/17/07 the OCD provided clarification
We have recommended EPA Method 9045D because of its' ability to determine the pH of wastes that may be solids, sludges, or non-aqueous. The purpose of the test is to demonstrate if the waste is RCRA characteristically hazardous. Since the characteristic of Corrosivity is established and EPA Method 9045D is an approved test method according to the Test Methods for Evaluating Solid Waste EPA No. SW-846 (pursuit to 19.15.2.712.E(1) NMAC) we will allow the use of this test method for this demonstration.

An analysis of these filters is attached for the OCD's review and approval.

I thank you for your help and if you have any questions, please feel free to phone me at 334-3013 or 320-2840 or via email at bdinc@digii.net.

Sincerely;

John Volkerding
General Manager

Cc: Aztec OCD Office

612 E. Murray Drive
Farmington, NM 87401

Off: (505) 327-1072
Fax: (505) 327-1496

iiná bá

P.O. Box 3788
Shiprock, NM 87420

Off: (505) 368-4065

January 12, 2007

Jimmy Barnes
Basin Disposal Inc.
P.O. Box 100
Aztec, NM 87410

TEL: (505) 632-8936
FAX: (505) 632-2215

RE:

Order No.: 0701014

Dear Jimmy Barnes:

iiná bá received 1 sample on 1/11/2007 10:30:00 AM for the analyses presented in the following report.

This certificate of analysis includes the Analytical Report(s) for the sample(s) received by the laboratory. A Quality Control Summary Report, the Sample Receipt Checklist and an executed Chain of Custody are included as an addendum to this report.

Should you have any questions regarding this certificate of analysis, please contact the laboratory at your convenience.

Report Approved By: Jeffrey L Engels
Jeffrey L. Engels, Laboratory Manager
Edwina F. Aspaas, Quality Assurance Officer

ORELAP Laboratory No. 100002
Arizona License No. AZ0691

ACCREDITED IN ACCORDANCE WITH nelac

612 E. Murray Drive
Farmington, NM 87499

Off: (505) 327-1072
FAX: (505) 327-1496

iiná bá

P.O. Box 3788
Shiprock, NM 87420

Off: (505) 368-4065

iiná bá **Date:** *12-Jan-07*

CLIENT: Basin Disposal Inc.
Project:
Lab Order: 0701014

CASE NARRATIVE

Samples were analyzed using the methods outlined in one or more of the following references:
Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846, 3rd Edition.
Methods for Chemical Analysis of Water and Wastes, EPA-600/4-79-020, March 1983.
Standard Methods for the Examination of Water and Wastewater, 18th Edition, 1992.
Methods for the Determination of Metals in Environmental Samples, Supplement I, EPA-600/R-94/111,
May 1994.

Any quality control and/or data qualifiers associated with this laboratory order will be flagged in the analytical result page(s), the quality control summary report(s) or the sample receipt checklist.

612 E. Murray Drive
Farmington, NM 87499

Off: (505) 327-1072
FAX: (505) 327-1496

iiná bá

P.O. Box 3788
Shiprock, NM 87420

Off: (505) 368-4065

ANALYTICAL REPORT

Date: *12-Jan-07*

CLIENT:	Basin Disposal Inc.	**Client Sample Info:**	
Work Order:	0701014	**Client Sample ID:**	30" Filter
Project:		**Collection Date:**	1/11/2007
Lab ID:	0701014-001A	**Matrix:**	FILTER

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
SOIL AND WASTE PH		**SW9045C**				Analyst: **jem**
pH	8.8	0.1		pH Units	1	1/12/2007
Temperature	26.0	0		Deg C	1	1/12/2007

Qualifiers:

ND - Not Detected at the Practical Quantitation Limit
J - Analyte detected below Practical Quantitation Limit
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted precision limits
E - Value above Upper Quantitation Limit - UQL

CLIENT: Basin Disposal Inc.
Work Order: 0701014
Project:

ANALYTICAL QC SUMMARY REPORT

TestCode: PH_S

Sample ID: **LCS_070112A**	SampType: **LCS**	TestCode: **PH_S**	Units: **pH Units**	Prep Date:		Run ID: **WET CHEM_070112A**
Client ID: **ZZZZZ**	Batch ID: **R8844**	TestNo: **SW9045C**		Analysis Date: **1/12/2007**		SeqNo: **123797**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	7.308	0.100	7.38	0	99	95.9	104	0	0		

Sample ID: **0701014-001AD**	SampType: **DUP**	TestCode: **PH_S**	Units: **pH Units**	Prep Date:		Run ID: **WET CHEM_070112A**
Client ID: **30" Filter**	Batch ID: **R8844**	TestNo: **SW9045C**		Analysis Date: **1/12/2007**		SeqNo: **123799**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
pH	8.88	0.100	0	0	0	0	0	8.824	0.633	2	
Temperature	25.7	0	0	0	0	0	0	26	1.16	0	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

iiná bá

Sample Receipt Checklist

Client Name: **BAS1003** Date and Time Received: **1/11/2007 10:30:00 AM**

Work Order Number: **0701014** Received by: jle

Checklist completed by: J Engel 1/11/07 (Signature / Date) Reviewed by: jle 1/12/07 (Initials / Date)

Matrix: Carrier name: Basin Disposal

Shipping container/cooler in good condition?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on shippping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☐	No ☑	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☐	No ☑	
Water - VOA vials have zero headspace?	No VOA vials submitted ☑	Yes ☐	No ☐
Water - pH acceptable upon receipt?	Yes ☐	No ☑	N/A — Solid

Adjusted? _____ Checked by: _____

Any No and/or NA (not applicable) response must be detailed in the comments section below.

Client contacted: _____ Date contacted: _____ Person contacted: _____

Contacted by: _____ Regarding: _____

Comments: FILTER RECEIVED WATER IN PLASTIC BAG AT AMBIENT TEMPERATURE. SUB-SAMPLES AND STORED IN 9oz JAR AT 4°C.

Corrective Action: _____

CHAIN OF CUSTODY RECORD

5700

Hiná bá (for life's sake)
612 E. Murray Dr. • P.O. Box 2606 • Farmington, NM 87499
Phone: (505) 327-1072 • Fax: (505) 327-1496

Date _____ Page _____ of _____

REPORT RESULTS TO:

Report to: Jimmy BARNES
Company: BASIN DISPOSAL
Address: 100 Montana Ave
City: Bloomfield
Phone: 632-8936 Fax: Email:

SEND INVOICE TO:

PO No.: Job No.:
Name:
Company: SAME
Address:
City:

Turnaround Time:
10 days (normal) ✓
24-48 hours (100%) ____
3-5 days (50%) ____

Sample Integrity
Intact Y/N
On Ice NO

Subcontract
Yes ____
No ____

Sampling Location:

NUMBER OF CONTAINERS: Custody

Analysis Requested

Sample Identification	Sample Date	Sample Time	Matrix	Pres.	Lab ID
50" Filter	1/4/07				070104-001A

Relinquished by: Jimmy L Barnes	Date/Time: 1/4/07 10:37AM	Received by: Jeff Engel	Date/Time: 1/11/07 1020
Relinquished by:	Date/Time: /	Received by:	Date/Time:
Relinquished by:	Date/Time:	Received by:	Date/Time:

Comments:

DISTRIBUTION WHITE - Lab • YELLOW - Client • PINK - Courier

Jones, Brad A., EMNRD

From: John Volkerding [bdinc@digii.net]
Sent: Tuesday, January 09, 2007 12:20 PM
To: Jones, Brad A., EMNRD
Subject: RE: [Spam] RE: Filter Analysis from 12/12/06

Thanks Bard; We can test for Corrosivity – I had conducted the other tests because Wayne asked us to do that. I will look at 712 of 19.15.9 NMAC. John

---

From: Jones, Brad A., EMNRD [mailto:brad.a.jones@state.nm.us]
Sent: Tuesday, January 09, 2007 10:37 AM
To: John Volkerding
Subject: RE: [Spam] RE: Filter Analysis from 12/12/06

John,

The reason I asked was to determine the proper testing protocol. In accordance with paragraph (m) of section 712 of 19.15.9 NMAC, "produced water filters must be tested for Corrosivity (and drained and then air-dried for at least 48 hours before testing)." Please review the procedures specified in section 712 of 19.15.9 NMAC. Written authorization from OCD is required for the disposal of certain non-domestic waste at sold waste facilities.

Brad A. Jones
Environmental Engineer
Environmental Bureau
NM Oil Conservation Division
1220 S. St. Francis Drive
Santa Fe, New Mexico 87505
E-mail: brad.a.jones@state.nm.us
Office: (505) 476-3487
Fax: (505) 476-3462

From: John Volkerding [mailto:bdinc@digii.net]
Sent: Tuesday, January 09, 2007 9:12 AM
To: Jones, Brad A., EMNRD
Subject: [Spam] RE: Filter Analysis from 12/12/06

Hi Brad; These are the filters used to clean the produced water prior to being injected down the well. The first filtration is a 20um filter and the second is the 5um filter. Thanks, John

-----Original message-----
From: "Jones, Brad A., EMNRD" brad.a.jones@state.nm.us
Date: Mon, 08 Jan 2007 08:36:32 -0700
To: "John Volkerding" bdinc@digii.net

Subject: [Spam] RE: Filter Analysis from 12/12/06

> John,
>
> Please identify the use of the filters.
>
>
> Brad A. Jones
> Environmental Engineer
> Environmental Bureau
> NM Oil Conservation Division
> 1220 S. St. Francis Drive
> Santa Fe, New Mexico 87505
> E-mail: brad.a.jones@state.nm.us
> Office: (505) 476-3487
> Fax: (505) 476-3462
>
>
>
> _____
>
> From: John Volkerding [mailto:bdinc@digii.net]
> Sent: Thursday, January 04, 2007 2:06 PM
> To: Jones, Brad A., EMNRD
> Subject: Filter Analysis from 12/12/06
>
>
>
> Brad;
>
>
>
> Happy New Year.
>
>
>
> I had the filters reanalyzed in December. I had them do a clean filter,
> a dirty 5um, and a dirty 20um. The results from November were so
> different from previous results I wanted to figure out what was going
> on. The December results show
>
>
>
>
>
> Clean Filter
>
> Dirty 5um
>
> Dirty 20 um
>

> Limit
>
> Benzene
>
> ND
>
> ND
>
> ND
>
> 10 mg/kg
>
> BTEX
>
> 0.5 mg/Kg (ppm)
>
> 11.9 mg/Kg (ppm)
>
> 14.4 mg/Kg (ppm)
>
> 20 mg/kg
>
>
>
> These numbers match the historical values. John
>
>
>
>
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>
>
>
> John Volkerding, PhD
>
> General Manager
>
> PO Box 100
>
> Aztec, NM 87410
>
> Office: 505-334-3013, Plant: 505-632-8936
>
> Fax: 505-334-8729, Mobile: 505-320-2840
>
>
>
>
>
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Public Records Act. If you are not the intended recipient, please contact the sender and destroy all copies of this message. -- This email has been scanned by the Sybari - Antigen Email System.
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>

John Volkerding, PhD
General Manager
Basin Disposal, Inc.
PO Box 100, Aztec, NM 87410
505-334-3013 (office); 505-320-2840 (cell);
505-632-8936 (plant); 505-334-8729 (fax)

> Limit
>
> Benzene
>
> ND
>
> ND
>
> ND
>
> 10 mg/kg
>
> BTEX
>
> 0.5 mg/Kg (ppm)
>
> 11.9 mg/Kg (ppm)
>
> 14.4 mg/Kg (ppm)
>
> 20 mg/kg
>
>
>
> These numbers match the historical values. John
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>
> John Volkerding, PhD
>
> General Manager
>
> PO Box 100
>
> Aztec, NM 87410
>
> Office: 505-334-3013, Plant: 505-632-8936
>
> Fax: 505-334-8729, Mobile: 505-320-2840
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> Confidentiality Notice: This e-mail, including all attachments is for the sole use of the intended recipient(s) and may contain confidential and privileged information. Any unauthorized review, use, disclosure or distribution is prohibited unless specifically provided under the New Mexico Inspection of

Jones, Brad A., EMNRD

From: John Volkerding [bdinc@digii.net]
Sent: Thursday, January 04, 2007 2:06 PM
To: Jones, Brad A., EMNRD
Subject: Filter Analysis from 12/12/06
Attachments: Filter Analysis 12-11-06.pdf

Brad;

Happy New Year.

I had the filters reanalyzed in December. I had them do a clean filter, a dirty 5um, and a dirty 20um. The results from November were so different from previous results I wanted to figure out what was going on. The December results show

	Clean Filter	Dirty 5um	Dirty 20 um	Limit
Benzene	ND	ND	ND	10 mg/kg
BTEX	0.5 mg/Kg (ppm)	11.9 mg/Kg (ppm)	14.4 mg/Kg (ppm)	20 mg/kg

These numbers match the historical values. John

John Volkerding, PhD
General Manager
PO Box 100
Aztec, NM 87410
Office: 505-334-3013, Plant: 505-632-8936
Fax: 505-334-8729, Mobile: 505-320-2840

612 E. Murray Drive
Farmington, NM 87401

Off: (505) 327-1072
Fax: (505) 327-1496

iiná bá

P.O. Box 3788
Shiprock, NM 87420

Off: (505) 368-4065

December 29, 2006

Jimmy Barnes
Basin Disposal Inc.
P.O. Box 100
Aztec, NM 87410

TEL: (505) 632-8936
FAX: (505) 632-2215

RECEIVED
JAN 04 2007

RE: Order No.: 0612016

Dear Jimmy Barnes:

iiná bá received 3 samples on 12/11/2006 10:15:00 AM for the analyses presented in the following report.

This certificate of analysis includes the Analytical Report(s) for the sample(s) received by the laboratory. A Quality Control Summary Report, the Sample Receipt Checklist and an executed Chain of Custody are included as an addendum to this report.

Should you have any questions regarding this certificate of analysis, please contact the laboratory at your convenience.

Report Approved By: Jeffrey L Engels
Jeffrey L. Engels, Laboratory Manager
Edwina F. Aspaas, Quality Assurance Officer

ORELAP Laboratory No. 100002
Arizona License No. AZ0691

ACCREDITED IN ACCORDANCE WITH

612 E. Murray Drive
Farmington, NM 87499

Off: (505) 327-1072
FAX: (505) 327-1496

iiná bá

P.O. Box 3788
Shiprock, NM 87420

Off: (505) 368-4065

iiná bá **Date:** *29-Dec-06*

CLIENT: Basin Disposal Inc.
Project:
Lab Order: 0612016

CASE NARRATIVE

Samples were analyzed using the methods outlined in one or more of the following references:
Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846, 3rd Edition.
Methods for Chemical Analysis of Water and Wastes, EPA-600/4-79-020, March 1983.
Standard Methods for the Examination of Water and Wastewater, 18th Edition, 1992.
Methods for the Determination of Metals in Environmental Samples, Supplement I, EPA-600/R-94/111,
May 1994.

Any quality control and/or data qualifiers associated with this laboratory order will be flagged in the analytical result page(s), the quality control summary report(s) or the sample receipt checklist.

612 E. Murray Drive
Farmington, NM 87499

Off: (505) 327-1072
FAX: (505) 327-1496

iiná bá

P.O. Box 3788
Shiprock, NM 87420

Off: (505) 368-4065

ANALYTICAL REPORT

Date: *29-Dec-06*

CLIENT:	Basin Disposal Inc.	**Client Sample Info:**	
Work Order:	0612016	**Client Sample ID:**	Cartridge Filter Used 20 mic
Project:		**Collection Date:**	12/10/2006 10:15:00 AM
Lab ID:	0612016-001A	**Matrix:**	FILTER

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		**SW8015B**		**(SW8015B)**		Analyst: **jem**
T/R Hydrocarbons: C10-C28	87900	454	E	mg/Kg	5	12/23/2006
Surr: o-Terphenyl	102	35-128		%REC	5	12/23/2006
GASOLINE RANGE ORGANICS		**SW8015B**		**(SW5035A)**		Analyst: **jem**
T/R Hydrocarbons: C6-C10	2620	101		mg/Kg	250	12/18/2006
Surr: Trifluorotoluene	64.2	55-122		%REC	250	12/18/2006
AROMATIC VOLATILES BY GC/PID		**SW8021B**		**(SW5035A)**		Analyst: **jem**
Benzene	ND	403		µg/Kg	100	12/24/2006
Ethylbenzene	781	403		µg/Kg	100	12/24/2006
m,p-Xylene	9640	807		µg/Kg	100	12/24/2006
o-Xylene	3100	403		µg/Kg	100	12/24/2006
Toluene	885	403		µg/Kg	100	12/24/2006
Surr: 1,4-Difluorobenzene	96.2	75-120		%REC	100	12/24/2006
Surr: 4-Bromochlorobenzene	163	50-140	S	%REC	100	12/24/2006
Surr: Fluorobenzene	94.8	70-120		%REC	100	12/24/2006
ANIONS BY ION CHROMATOGRAPHY		**E300**		**(E300)**		Analyst: **elc**
Chloride	12400	504		ppm	500	12/19/2006

Qualifiers:

ND - Not Detected at the Practical Quantitation Limit
J - Analyte detected below Practical Quantitation Limit
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted precision limits
E - Value above Upper Quantitation Limit - UQL

612 E. Murray Drive
Farmington, NM 87499

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FAX: (505) 327-1496

iiná bá

P.O. Box 3788
Shiprock, NM 87420

Off: (505) 368-4065

ANALYTICAL REPORT

Date: *29-Dec-06*

CLIENT:	Basin Disposal Inc.	**Client Sample Info:**	
Work Order:	0612016	**Client Sample ID:**	Cartridge Filter Used 5 mic
Project:		**Collection Date:**	12/10/2006 10:15:00 AM
Lab ID:	0612016-002A	**Matrix:**	FILTER

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		**SW8015B**		**(SW8015B)**		Analyst: **jem**
T/R Hydrocarbons: C10-C28	41600	407	E	mg/Kg	5	12/23/2006
Surr: o-Terphenyl	93.8	35-128		%REC	5	12/23/2006
GASOLINE RANGE ORGANICS		**SW8015B**		**(SW5035A)**		Analyst: **jem**
T/R Hydrocarbons: C6-C10	42590	101		mg/Kg	250	12/18/2006
Surr: Trifluorotoluene	64.7	55-122		%REC	250	12/18/2006
AROMATIC VOLATILES BY GC/PID		**SW8021B**		**(SW5035A)**		Analyst: **jem**
Benzene	ND	403		µg/Kg	100	12/24/2006
Ethylbenzene	949	403		µg/Kg	100	12/24/2006
m,p-Xylene	7260	805		µg/Kg	100	12/24/2006
o-Xylene	2660	403		µg/Kg	100	12/24/2006
Toluene	1060	403		µg/Kg	100	12/24/2006
Surr: 1,4-Difluorobenzene	97.1	75-120		%REC	100	12/24/2006
Surr: 4-Bromochlorobenzene	183	50-140	S	%REC	100	12/24/2006
Surr: Fluorobenzene	94.5	70-120		%REC	100	12/24/2006
ANIONS BY ION CHROMATOGRAPHY		**E300**		**(E300)**		Analyst: **elc**
Chloride	8970	504		ppm	500	12/19/2006

Qualifiers:

ND - Not Detected at the Practical Quantitation Limit
J - Analyte detected below Practical Quantitation Limit
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted precision limits
E - Value above Upper Quantitation Limit - UQL

612 E. Murray Drive
Farmington, NM 87499

Off: (505) 327-1072
FAX: (505) 327-1496

iiná bá

P.O. Box 3788
Shiprock, NM 87420

Off: (505) 368-4065

ANALYTICAL REPORT

Date: *29-Dec-06*

CLIENT:	Basin Disposal Inc.	**Client Sample Info:**	
Work Order:	0612016	**Client Sample ID:**	Cartridge Filter New 5 mic
Project:		**Collection Date:**	12/10/2006 10:15:00 AM
Lab ID:	0612016-003A	**Matrix:**	FILTER

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
DIESEL RANGE ORGANICS		**SW8015B**		**(SW8015B)**		Analyst: **jem**
T/R Hydrocarbons: C10-C28	2130	137		mg/Kg	1	12/23/2006
Surr: o-Terphenyl	83.6	35-128		%REC	1	12/23/2006
GASOLINE RANGE ORGANICS		**SW8015B**		**(SW5035A)**		Analyst: **jem**
T/R Hydrocarbons: C6-C10	22.4	10.0		mg/Kg	25	12/18/2006
Surr: Trifluorotoluene	56.8	55-122		%REC	25	12/18/2006
AROMATIC VOLATILES BY GC/PID		**SW8021B**		**(SW5035A)**		Analyst: **jem**
Benzene	ND	100		µg/Kg	25	12/24/2006
Ethylbenzene	ND	100		µg/Kg	25	12/24/2006
m,p-Xylene	407	200		µg/Kg	25	12/24/2006
o-Xylene	ND	100		µg/Kg	25	12/24/2006
Toluene	157	100		µg/Kg	25	12/24/2006
Surr: 1,4-Difluorobenzene	97.0	75-120		%REC	25	12/24/2006
Surr: 4-Bromochlorobenzene	115	50-140		%REC	25	12/24/2006
Surr: Fluorobenzene	96.4	70-120		%REC	25	12/24/2006
ANIONS BY ION CHROMATOGRAPHY		**E300**		**(E300)**		Analyst: **elc**
Chloride	2.26	1.01		ppm	1	12/19/2006

Qualifiers:

ND - Not Detected at the Practical Quantitation Limit
J - Analyte detected below Practical Quantitation Limit
B - Analyte detected in the associated Method Blank
* - Value exceeds Maximum Contaminant Level
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted precision limits
E - Value above Upper Quantitation Limit - UQL

CLIENT: Basin Disposal Inc.
Work Order: 0612016
Project:

ANALYTICAL QC SUMMARY REPORT

TestCode: 300_S

Sample ID: MBLK_061219A	SampType: MBLK	TestCode: 300_S	Units: ppm	Prep Date:	Run ID: IC-761_061219A
Client ID: ZZZZZ	Batch ID: R8776	TestNo: E300		Analysis Date: 12/19/2006	SeqNo: 122689

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	< 1.01	1.01	0	0	0	0	0	0	0		

Sample ID: LCS_061219A	SampType: LCS	TestCode: 300_S	Units: ppm	Prep Date:	Run ID: IC-761_061219A
Client ID: ZZZZZ	Batch ID: R8776	TestNo: E300		Analysis Date: 12/19/2006	SeqNo: 122688

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	1.822	1.01	2.02	0	90.2	80	120	0	0		

Sample ID: 0612016-001AMS	SampType: MS	TestCode: 300_S	Units: ppm	Prep Date:	Run ID: IC-761_061219A
Client ID: Cartridge Filter Use	Batch ID: R8776	TestNo: E300		Analysis Date: 12/19/2006	SeqNo: 122696

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	23010	504	10080	12370	105	80	120	0	0		

Sample ID: 0612016-001AD	SampType: DUP	TestCode: 300_S	Units: ppm	Prep Date: 12/19/2006	Run ID: IC-761_061219A
Client ID: Cartridge Filter Use	Batch ID: 1518	TestNo: E300	(E300)	Analysis Date: 12/19/2006	SeqNo: 122692

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	9232	504	0	0	0	0	0	12370	29.1	15	R

Qualifiers: ND - Not Detected at the Reporting Limit; J - Analyte detected below quantitation limits; S - Spike Recovery outside accepted recovery limits; R - RPD outside accepted recovery limits; B - Analyte detected in the associated Method Blank

CHAIN OF CUSTODY RECORD

5658

Hiná bâ (for life's sake)
612 E. Murray Dr. • P.O. Box 2606 • Farmington, NM 87499
Phone: (505) 327-1072 • Fax: (505) 327-1496

Date _____ Page _____ of _____

REPORT RESULTS TO:

Report to:
Company: Basin Disposal
Address:
City:
Phone: Fax: (505) 632-2215 Email:

SEND INVOICE TO:

PO No.: Job No.:
Name:
Company:
Address:
City:

Turnaround Time:
10 days (normal) /
24-48 hours (100%) _____
3-5 days (50%) _____

Sample Integrity
Intact _____
On Ice NO

Subcontract
Yes _____
No /

Sampling Location:

NUMBER OF CONTAINERS:

Analysis Requested

Sample Identification	Sample Date	Sample Time	Matrix	Pres.	8015-DRO	8015-GRO	BTEX	Cl-					Lab ID
Cartridge Filters Used 20 mic	12/11/06	10:15	Gas		/	/	/	/					0612016
Cartridge Filter Used 5 mic	"	"			/	/	/	/					
Cartridge Filter New 5 mic	"	"			/	/	/	/					

Relinquished by:	Date/Time:	Received by:	Date/Time:
Relinquished by:	Date/Time: 12-11-06 10:15	Received by:	Date/Time: 12/11/06 10:15
Relinquished by:	Date/Time:	Received by:	Date/Time:

Comments:

DISTRIBUTION WHITE - Lab • YELLOW - Client • PINK - Courier

iiná bá

Sample Receipt Checklist

Client Name: **BAS1003** Date and Time Received: **12/11/2006 10:15:00 AM**

Work Order Number: **0612016** Received by: jle

Checklist completed by: JE Engels 12/11/06 Reviewed by: _____

Signature Date Initials Date

Matrix: Carrier name: Basin Disposal

Shipping container/cooler in good condition?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on shippping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☐	No ☑	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☐	No ☑	AMBIENT
Water - VOA vials have zero headspace?	No VOA vials submitted ☑	Yes ☐	No ☐
Water - pH acceptable upon receipt?	Yes ☐	No ☑	N/A - SOLID FILTERS

Adjusted? _____ Checked by: _____

Any No and/or NA (not applicable) response must be detailed in the comments section below.

Client contacted: _____ Date contacted: _____ Person contacted: _____

Contacted by: _____ Regarding: _____

Comments: SAMPLES RECEIVED AT AMBIENT TEMPERATURE. FILTERS ARE INTACT. PLACED IN CLEAN CARBATE BAGS AND STORED IN COOLER UNTIL THEY CAN BE SUB-DIVIDED AND PUT IN 90Z JARS.

Corrective Action: _____

CLIENT: Basin Disposal Inc.
Work Order: 0612016
Project:

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015DR2_S

Sample ID: MB_0612233	SampType: MBLK	TestCode: 8015DR2_S	Units: mg/Kg	Prep Date:	Run ID: GC-2_061223A
Client ID: ZZZZZ	Batch ID: 1521	TestNo: SW8015B	(SW8015B)	Analysis Date: 12/23/2006	SeqNo: 123099

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C10-C28	ND	25.0	0	0	0	0	0	0	0		
Surr: o-Terphenyl	24.24	0	38	0	63.8	35	128	0	0		

Sample ID: LCS1_1521	SampType: LCS	TestCode: 8015DR2_S	Units: mg/Kg	Prep Date:	Run ID: GC-2_061223A
Client ID: ZZZZZ	Batch ID: 1521	TestNo: SW8015B	(SW8015B)	Analysis Date: 12/23/2006	SeqNo: 123098

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C10-C28	437.4	25.0	502	0	87.1	80	120	0	0		
Surr: o-Terphenyl	25.53	0	38	0	67.2	35	128	0	0		

Sample ID: 0612023-002BMS	SampType: MS	TestCode: 8015DR2_S	Units: mg/Kg	Prep Date: 12/21/2006	Run ID: GC-2_061223A
Client ID: ZZZZZ	Batch ID: 1521	TestNo: SW8015B	(SW8015B)	Analysis Date: 12/23/2006	SeqNo: 123111

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C10-C28	573.1	25.0	502	0	114	70	130	0	0		
Surr: o-Terphenyl	13.14	0	38	0	34.6	35	128	0	0		S

Sample ID: 0612032-005A	SampType: DUP	TestCode: 8015DR2_S	Units: mg/Kg	Prep Date: 12/21/2006	Run ID: GC-2_061223A
Client ID: ZZZZZ	Batch ID: 1521	TestNo: SW8015B	(SW8015B)	Analysis Date: 12/23/2006	SeqNo: 123128

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C10-C28	4511	125	0	0	0	0	0	6962	42.7	12	R
Surr: o-Terphenyl	61.79	0	38	0	163	35	128	0	0	0	S

Qualifiers: ND - Not Detected at the Reporting Limit; J - Analyte detected below quantitation limits; S - Spike Recovery outside accepted recovery limits; R - RPD outside accepted recovery limits; B - Analyte detected in the associated Method Blank

CLIENT: Basin Disposal Inc.
Work Order: 0612016
Project:

ANALYTICAL QC SUMMARY REPORT

TestCode: 8015GRO_S

Sample ID: MBLK_1506	SampType: MBLK	TestCode: 8015GRO_S	Units: mg/Kg	Prep Date: 12/13/2006	Run ID: GC-1B_061218A
Client ID: ZZZZZ	Batch ID: 1506	TestNo: SW8015B	(SW5035A)	Analysis Date: 12/18/2006	SeqNo: 122700

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C6-C10	1.879	2.50									J
Surr: Trifluorotoluene	1.415	0	2.5	0	56.6	55	122	0	0		

Sample ID: LCS_061218A	SampType: LCS	TestCode: 8015GRO_S	Units: mg/Kg	Prep Date: 12/13/2006	Run ID: GC-1B_061218A
Client ID: ZZZZZ	Batch ID: 1506	TestNo: SW8015B	(SW5035A)	Analysis Date: 12/18/2006	SeqNo: 122702

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
T/R Hydrocarbons: C6-C10	25.88	2.50	25	1.879	96	80	120	0	0		
Surr: Trifluorotoluene	1.666	0	2.5	0	66.6	55	122	0	0		

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: Basin Disposal Inc.
Work Order: 0612016
Project:

ANALYTICAL QC SUMMARY REPORT

TestCode: BTEX_S

Sample ID: MB_1506	SampType: MBLK	TestCode: BTEX_S	Units: µg/Kg	Prep Date: 12/13/2006	Run ID: GC-1_061224A
Client ID: ZZZZZ	Batch ID: 1506	TestNo: SW8021B	(SW5035A)	Analysis Date: 12/24/2006	SeqNo: 123006

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	ND	25.0									
Ethylbenzene	ND	25.0									
m,p-Xylene	17.53	50.0									J
o-Xylene	ND	25.0									
Toluene	ND	25.0									
Surr: 1,4-Difluorobenzene	2413	0	2500	0	96.5	75	120	0	0		
Surr: 4-Bromochlorobenzene	3011	0	2500	0	120	50	140	0	0		
Surr: Fluorobenzene	2406	0	2500	0	96.2	70	120	0	0		

Sample ID: LCS_061224	SampType: LCS	TestCode: BTEX_S	Units: µg/Kg	Prep Date:	Run ID: GC-1_061224A
Client ID: ZZZZZ	Batch ID: 1506	TestNo: SW8021B	(SW5035A)	Analysis Date: 12/24/2006	SeqNo: 123004

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	964.1	25.0	1000	0	96.4	70	130	0	0		
Ethylbenzene	980.4	25.0	1000	5.782	97.5	70	130	0	0		
m,p-Xylene	1958	50.0	2000	37.25	96.1	70	130	0	0		
o-Xylene	1005	25.0	1000	0	101	70	130	0	0		
Toluene	993.9	25.0	1000	17.65	97.6	70	130	0	0		
Surr: 1,4-Difluorobenzene	2384	0	2500	0	95.4	75	120	0	0		
Surr: 4-Bromochlorobenzene	2843	0	2500	0	114	50	140	0	0		
Surr: Fluorobenzene	2376	0	2500	0	95	70	120	0	0		

Sample ID: 0612016-003AMS	SampType: MS	TestCode: BTEX_S	Units: µg/Kg	Prep Date:	Run ID: GC-1_061224A
Client ID: Cartridge Filter New	Batch ID: 1506	TestNo: SW8021B	(SW5035A)	Analysis Date: 12/24/2006	SeqNo: 123008

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	4099	100	4007	0	102	70	130	0	0		
Ethylbenzene	4203	100	4007	62.74	103	70	130	0	0		
m,p-Xylene	8408	200	8014	406.7	99.8	70	130	0	0		
o-Xylene	4335	100	4007	84.31	106	70	130	0	0		
Toluene	4402	100	4007	156.8	106	70	130	0	0		

Qualifiers: ND - Not Detected at the Reporting Limit; S - Spike Recovery outside accepted recovery limits; B - Analyte detected in the associated Method Blank
J - Analyte detected below quantitation limits; R - RPD outside accepted recovery limits

CLIENT: Basin Disposal Inc.
Work Order: 0612016
Project:

ANALYTICAL QC SUMMARY REPORT

TestCode: BTEX_S

Sample ID: 0612016-003AMS	SampType: MS	TestCode: BTEX_S	Units: µg/Kg	Prep Date:	Run ID: GC-1_061224A
Client ID: Cartridge Filter New	Batch ID: 1506	TestNo: SW8021B	(SW5035A)	Analysis Date: 12/24/2006	SeqNo: 123008

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 1,4-Difluorobenzene	9523	0	10020	0	95.1	75	120	0	0		
Surr: 4-Bromochlorobenzene	11790	0	10020	0	118	50	140	0	0		
Surr: Fluorobenzene	9473	0	10020	0	94.6	70	120	0	0		

Sample ID: 0612016-003AMSD	SampType: MSD	TestCode: BTEX_S	Units: µg/Kg	Prep Date:	Run ID: GC-1_061224A
Client ID: Cartridge Filter New	Batch ID: 1506	TestNo: SW8021B	(SW5035A)	Analysis Date: 12/24/2006	SeqNo: 123010

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	3923	100	4007	0	97.9	70	130	4099	4.38	15	
Ethylbenzene	4050	100	4007	62.74	99.5	70	130	4203	3.73	15	
m,p-Xylene	8094	200	8014	406.7	95.9	70	130	8408	3.80	15	
o-Xylene	4165	100	4007	84.31	102	70	130	4335	4.00	15	
Toluene	4195	100	4007	156.8	101	70	130	4402	4.83	15	
Surr: 1,4-Difluorobenzene	9820	0	10020	0	98	75	120	0	0	0	
Surr: 4-Bromochlorobenzene	11570	0	10020	0	116	50	140	0	0	0	
Surr: Fluorobenzene	9652	0	10020	0	96.4	70	120	0	0	0	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

BASIN DISPOSAL, INC.
"SPECIALIZING IN DISPOSAL OF PRODUCED WATER AND DRILLING MUD
P.O. BOX 100 - AZTEC, NEW MEXICO 87410 - PHONE: (505) 334-3013

29 November, 2006

Brad Jones
EMNRD/OCD
Environmental Bureau
1220 South St. Francis Dr.,
Santa Fe, New Mexico 87505

RECEIVED
DEC 04 2006
Oil Conservation Division
1220 S. St. Francis Drive
Santa Fe, NM 87505

RE: Filter Analysis, 11-22-06

Dear Mr. Jones;

During the OCD's inspection of Basin Disposal on November 6, 2006 it was required that we analyze the filters we use for cleaning the water prior to injection into the disposal well.

The filters were analyzed using the following metods:
SW8021B, Aromatic Volatiles by GC/PID
SW7470, Mercury, TCLP Leached
SW1311/6010B, ICP Metals, TCLP Leached
E300, Anion by IC
9095A, Paint Filters Liquids Test
The results are attached.

Also attached is a WCA Generator Waste Profile Sheet completed by the laboratory and submitted to Waste Corporation of America, the facility where the filters are disposed.

If you have any questions, please feel free to phone me at 334-3013 or 320-2840 or via email at bdinc@digii.net.

Sincerely;

John Volkerding
General Manager

Attach: Analytical Report

Cc: Aztec OCD Office

612 E. Murray Drive
Farmington, NM 87401

Off: (505) 327-1072
Fax: (505) 327-1496

iiná bá

P.O. Box 3788
Shiprock, NM 87420

Off: (505) 368-4065

November 22, 2006

John Hagstrom
Souder, Miller & Associates
612 E. Murray Dr
Farmington, NM 87401

TEL: 505-325-5667
FAX 505-327-1496

RE: Basin Disposal

Order No.: 0611012

Dear John Hagstrom:

iiná bá received 1 sample on 11/8/2006 11:40:00 AM for the analyses presented in the following report.

This certificate of analysis includes the Analytical Report(s) for the sample(s) received by the laboratory. A Quality Control Summary Report, the Sample Receipt Checklist and an executed Chain of Custody are included as an addendum to this report.

Should you have any questions regarding this certificate of analysis, please contact the laboratory at your convenience.

Report Approved By: Jeffrey L Engels
Jeffrey L. Engels, Laboratory Manager
Edwina F. Aspaas, Quality Assurance Officer

612 E. Murray Drive
Farmington, NM 87499

Off: (505) 327-1072
FAX: (505) 327-1496

iiná bá

P.O. Box 3788
Shiprock, NM 87420

Off: (505) 368-4065

iiná bá **Date:** *22-Nov-06*

CLIENT: Souder, Miller & Associates
Project: Basin Disposal
Lab Order: 0611012

CASE NARRATIVE

Samples were analyzed using the methods outlined in one or more of the following references:
Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, SW846, 3rd Edition.
Methods for Chemical Analysis of Water and Wastes, EPA-600/4-79-020, March 1983.
Standard Methods for the Examination of Water and Wastewater, 18th Edition, 1992.
Methods for the Determination of Metals in Environmental Samples, Supplement I, EPA-600/R-94/111,
May 1994.

Any quality control and/or data qualifiers associated with this laboratory order will be flagged in the analytical result page(s), the quality control summary report(s) or the sample receipt checklist.

Barium was found in the associated method blank. The concentration in the sample was greater than ten times the amount in the method blank and below the regulatory limit.

612 E. Murray Drive
Farmington, NM 87499

Off: (505) 327-1072
FAX: (505) 327-1496

iiná bá

P.O. Box 3788
Shiprock, NM 87420

Off: (505) 368-4065

ANALYTICAL REPORT

Date: *22-Nov-06*

CLIENT:	Souder, Miller & Associates	**Client Sample Info:**	Basin Disposal
Work Order:	0611012	**Client Sample ID:**	Filters
Project:	Basin Disposal	**Collection Date:**	11/8/2006 10:00:00 AM
Lab ID:	0611012-001A	**Matrix:**	FILTER

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
AROMATIC VOLATILES BY GC/PID		**SW8021B**		**(SW5035A)**		Analyst: **jem**
Benzene	20400	9300		µg/Kg	5000	11/16/2006
Ethylbenzene	23300	9300		µg/Kg	5000	11/16/2006
m,p-Xylene	260000	18600		µg/Kg	5000	11/16/2006
o-Xylene	62700	9300		µg/Kg	5000	11/16/2006
Toluene	169000	9300		µg/Kg	5000	11/16/2006
Surr: 1,4-Difluorobenzene	117	75-120		%REC	5000	11/16/2006
Surr: 4-Bromochlorobenzene	123	50-140		%REC	5000	11/16/2006
Surr: Fluorobenzene	119	70-120		%REC	5000	11/16/2006
MERCURY, TCLP LEACHED		**SW7470**		**(SW7470)**		Analyst: **elc**
Mercury	< 0.0020	0.0020		mg/L	1	11/15/2006
ICP METALS, TCLP LEACHED		**SW1311/6010B**		**(SW3010A)**		Analyst: **jle**
Arsenic	< 0.018	0.018		mg/L	1	11/16/2006 2:32:03 PM
Barium	1.77	0.003	B	mg/L	1	11/16/2006 2:32:03 PM
Cadmium	< 0.003	0.003		mg/L	1	11/16/2006 2:32:03 PM
Chromium	0.006	0.003		mg/L	1	11/16/2006 2:32:03 PM
Lead	< 0.005	0.005		mg/L	1	11/16/2006 2:32:03 PM
Selenium	< 0.011	0.011		mg/L	1	11/16/2006 2:32:03 PM
Silver	< 0.020	0.020		mg/L	1	11/16/2006 2:32:03 PM
ANIONS BY ION CHROMATOGRAPHY		**E300**		**(E300)**		Analyst: **elc**
Chloride	6660	202		ppm	200	11/21/2006
PAINT FILTER LIQUIDS TEST		**9095A**				Analyst: **jem**
Paint Filter Liquids	0.780	0.100		mL	1	11/15/2006

Qualifiers:

ND - Not Detected at the Practical Quantitation Limit

J - Analyte detected below Practical Quantitation Limit

B - Analyte detected in the associated Method Blank

H - Parameter exceeded Maximum Allowable Holding Time

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted precision limits

E - Value above Upper Quantitation Limit - UQL

CLIENT: Souder, Miller & Associates
Work Order: 0611012
Project: Basin Disposal

ANALYTICAL QC SUMMARY REPORT

TestCode: 1311_HG

Sample ID	MB_1477	SampType:	MBLK	TestCode:	1311_HG	Units:	mg/L	Prep Date:	11/15/2006	Run ID:	AA_061115A
Client ID:	ZZZZZ	Batch ID:	1477	TestNo:	SW7470	(SW7470)		Analysis Date:	11/15/2006	SeqNo:	121569

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	< 0.00200	0.00200	0	0	0	0	0	0	0		

Sample ID	LCS_1477	SampType:	LCS	TestCode:	1311_HG	Units:	mg/L	Prep Date:	11/15/2006	Run ID:	AA_061115A
Client ID:	ZZZZZ	Batch ID:	1477	TestNo:	SW7470	(SW7470)		Analysis Date:	11/15/2006	SeqNo:	121570

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.01521	0.00200	0.0125	0	122	70	130	0	0		

Sample ID	LCSD_1477	SampType:	LCSD	TestCode:	1311_HG	Units:	mg/L	Prep Date:	11/15/2006	Run ID:	AA_061115A
Client ID:	ZZZZZ	Batch ID:	1477	TestNo:	SW7470	(SW7470)		Analysis Date:	11/15/2006	SeqNo:	121571

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.01332	0.00200	0.0125	0	107	70	130	0.01521	13.2	0	

Sample ID	0611012-001AMS	SampType:	MS	TestCode:	1311_HG	Units:	mg/L	Prep Date:	11/15/2006	Run ID:	AA_061115A
Client ID:	Filters	Batch ID:	1477	TestNo:	SW7470	(SW7470)		Analysis Date:	11/15/2006	SeqNo:	121581

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.01578	0.00200	0.0125	0	126	70	130	0	0		

Sample ID	0611012-001AMSD	SampType:	MSD	TestCode:	1311_HG	Units:	mg/L	Prep Date:	11/15/2006	Run ID:	AA_061115A
Client ID:	Filters	Batch ID:	1477	TestNo:	SW7470	(SW7470)		Analysis Date:	11/15/2006	SeqNo:	121582

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	0.01556	0.00200	0.0125	0	124	70	130	0.01578	1.36	20	

Qualifiers:

ND - Not Detected at the Reporting Limit

J - Analyte detected below quantitation limits

S - Spike Recovery outside accepted recovery limits

R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

CLIENT: Souder, Miller & Associates
Work Order: 0611012
Project: Basin Disposal

ANALYTICAL QC SUMMARY REPORT

TestCode: 1311_HG

Sample ID	0611021-001AD	SampType:	DUP	TestCode:	1311_HG	Units:	mg/L	Prep Date:	11/15/2006	Run ID:	AA_061115A
Client ID:	ZZZZZ	Batch ID:	1477	TestNo:	SW7470		(SW7470)	Analysis Date:	11/15/2006	SeqNo:	121576

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Mercury	< 0.00200	0.00200	0	0	0	0	0	0	0	15	

Qualifiers:

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R - RPD outside accepted recovery limits

B - Analyte detected in the associated Method Blank

CLIENT: Souder, Miller & Associates
Work Order: 0611012
Project: Basin Disposal

ANALYTICAL QC SUMMARY REPORT

TestCode: 1311_M

Sample ID	MB_1476	SampType:	MBLK	TestCode:	1311_M	Units:	mg/L	Prep Date:	11/15/2006	Run ID:	ICP_1_061116A
Client ID:	ZZZZZ	Batch ID:	1476	TestNo:	SW1311/6010 (SW3010A)			Analysis Date:	11/16/2006	SeqNo:	121621

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	0.008579	0.0180									J
Barium	0.008535	0.00300									
Cadmium	< 0.00300	0.00300									
Chromium	< 0.00300	0.00300									
Lead	< 0.00500	0.00500									
Selenium	< 0.0110	0.0110									
Silver	< 0.0200	0.0200									

Sample ID	LCS_1476	SampType:	LCS	TestCode:	1311_M	Units:	mg/L	Prep Date:	11/15/2006	Run ID:	ICP_1_061116A
Client ID:	ZZZZZ	Batch ID:	1476	TestNo:	SW1311/6010 (SW3010A)			Analysis Date:	11/16/2006	SeqNo:	121622

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	0.9868	0.0180	1	0.008579	97.8	75	125	0	0		
Barium	0.9609	0.00300	1	0.008535	95.2	75	125	0	0		B
Cadmium	1.071	0.00300	1	0	107	75	125	0	0		
Chromium	0.9685	0.00300	1	0	96.8	75	125	0	0		
Lead	0.9311	0.00500	1	0	93.1	75	125	0	0		
Selenium	0.9723	0.0110	1	0	97.2	75	125	0	0		
Silver	1.03	0.0200	1	0	103	75	125	0	0		

Sample ID	LCSD_1476	SampType:	LCSD	TestCode:	1311_M	Units:	mg/L	Prep Date:	11/15/2006	Run ID:	ICP_1_061116A
Client ID:	ZZZZZ	Batch ID:	1476	TestNo:	SW1311/6010 (SW3010A)			Analysis Date:	11/16/2006	SeqNo:	121623

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	1.027	0.0180	1	0.008579	102	75	125	0.9868	4.03	20	
Barium	1.032	0.00300	1	0.008535	102	75	125	0.9609	7.11	20	B
Cadmium	1.1	0.00300	1	0	110	75	125	1.071	2.66	20	
Chromium	0.971	0.00300	1	0	97.1	75	125	0.9685	0.263	20	
Lead	0.9882	0.00500	1	0	98.8	75	125	0.9311	5.95	20	
Selenium	1.058	0.0110	1	0	106	75	125	0.9723	8.42	20	
Silver	1.093	0.0200	1	0	109	75	125	1.03	5.90	20	

Qualifiers:
ND - Not Detected at the Reporting Limit
J - Analyte detected below quantitation limits
S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

CLIENT: Souder, Miller & Associates
Work Order: 0611012
Project: Basin Disposal

ANALYTICAL QC SUMMARY REPORT

TestCode: 1311_M

Sample ID 0611021-001AMS	SampType: MS	TestCode: 1311_M	Units: mg/L	Prep Date:	Run ID: ICP_1_061116A
Client ID: ZZZZZ	Batch ID: 1476	TestNo: SW1311/6010 (SW3010A)		Analysis Date: 11/16/2006	SeqNo: 121625

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	0.933	0.0180	1	0	93.3	75	125	0	0		
Barium	1.243	0.00300	1	0.3929	85.1	75	125	0	0		B
Cadmium	0.971	0.00300	1	0	97.1	75	125	0	0		
Chromium	0.8331	0.00300	1	0.0006589	83.2	75	125	0	0		
Lead	0.895	0.00500	1	0	89.5	75	125	0	0		
Selenium	0.9078	0.0110	1	0	90.8	75	125	0	0		
Silver	0.9384	0.0200	1	0	93.8	75	125	0	0		

Sample ID 0611021-001AMSD	SampType: MSD	TestCode: 1311_M	Units: mg/L	Prep Date:	Run ID: ICP_1_061116A
Client ID: ZZZZZ	Batch ID: 1476	TestNo: SW1311/6010 (SW3010A)		Analysis Date: 11/16/2006	SeqNo: 121626

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	0.9657	0.0180	1	0	96.6	75	125	0.933	3.45	20	
Barium	1.325	0.00300	1	0.3929	93.2	75	125	1.243	6.35	20	B
Cadmium	1.086	0.00300	1	0	109	75	125	0.971	11.2	20	
Chromium	0.9705	0.00300	1	0.0006589	97	75	125	0.8331	15.2	20	
Lead	0.9923	0.00500	1	0	99.2	75	125	0.895	10.3	20	
Selenium	1.017	0.0110	1	0	102	75	125	0.9078	11.3	20	
Silver	1.098	0.0200	1	0	110	75	125	0.9384	15.7	20	

Sample ID 0611021-001AD	SampType: DUP	TestCode: 1311_M	Units: mg/L	Prep Date: 11/15/2006	Run ID: ICP_1_061116A
Client ID: ZZZZZ	Batch ID: 1476	TestNo: SW1311/6010 (SW3010A)		Analysis Date: 11/16/2006	SeqNo: 121627

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Arsenic	< 0.0180	0.0180	0	0	0	0	0	0	0	20	
Barium	0.4216	0.00300	0	0	0	0	0	0.3929	7.04	20	B
Cadmium	< 0.00300	0.00300	0	0	0	0	0	0	0	20	
Chromium	0.001702	0.00300	0	0	0	0	0	0.0006589	0	20	J
Lead	< 0.00500	0.00500	0	0	0	0	0	0	0	20	
Selenium	< 0.0110	0.0110	0	0	0	0	0	0	0	20	
Silver	< 0.0200	0.0200	0	0	0	0	0	0	0	20	

Qualifiers:
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S - Spike Recovery outside accepted recovery limits
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B - Analyte detected in the associated Method Blank

CLIENT: Souder, Miller & Associates
Work Order: 0611012
Project: Basin Disposal

ANALYTICAL QC SUMMARY REPORT

TestCode: 300_S

Sample ID	MBLK_061121A	SampType:	MBLK	TestCode:	300_S	Units:	ppm	Prep Date:		Run ID:	IC-761_061121A
Client ID:	ZZZZZ	Batch ID:	1488	TestNo:	E300	(E300)		Analysis Date:	11/21/2006	SeqNo:	121832

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	< 1.01	1.01	0	0	0	0	0	0	0		

Sample ID	LCS_061121A	SampType:	LCS	TestCode:	300_S	Units:	ppm	Prep Date:		Run ID:	IC-761_061121A
Client ID:	ZZZZZ	Batch ID:	1488	TestNo:	E300	(E300)		Analysis Date:	11/21/2006	SeqNo:	121831

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	1.854	1.01	2.02	0	91.8	80	120	0	0		

Sample ID	0611022-002AMS	SampType:	MS	TestCode:	300_S	Units:	ppm	Prep Date:		Run ID:	IC-761_061121A
Client ID:	ZZZZZ	Batch ID:	1488	TestNo:	E300	(E300)		Analysis Date:	11/21/2006	SeqNo:	121844

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	316.2	10.1	202	124.8	94.8	80	120	0	0		

Sample ID	0611017-001AD	SampType:	DUP	TestCode:	300_S	Units:	ppm	Prep Date:	11/21/2006	Run ID:	IC-761_061121A
Client ID:	ZZZZZ	Batch ID:	1488	TestNo:	E300	(E300)		Analysis Date:	11/21/2006	SeqNo:	121837

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Chloride	3.18	1.01	0	0	0	0	0	3.2	0.620	15	

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B - Analyte detected in the associated Method Blank

CLIENT: Souder, Miller & Associates
Work Order: 0611012
Project: Basin Disposal

ANALYTICAL QC SUMMARY REPORT

TestCode: BTEX_S

Sample ID MB_1465	SampType: MBLK	TestCode: BTEX_S	Units: µg/Kg	Prep Date: 11/13/2006	Run ID: GC-1_061116A
Client ID: ZZZZZ	Batch ID: 1465	TestNo: SW8021B	(SW5035A)	Analysis Date: 11/16/2006	SeqNo: 121683

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	4.157	20.0									J
Ethylbenzene	3.098	20.0									J
m,p-Xylene	10.77	40.0									J
o-Xylene	ND	20.0									
Toluene	5.325	20.0									J
Surr: 1,4-Difluorobenzene	1209	0	1000	0	121	75	120	0	0		S
Surr: 4-Bromochlorobenzene	1282	0	1000	0	128	50	140	0	0		
Surr: Fluorobenzene	1205	0	1000	0	121	70	120	0	0		S

Sample ID LCS_061116	SampType: LCS	TestCode: BTEX_S	Units: µg/Kg	Prep Date:	Run ID: GC-1_061116A
Client ID: ZZZZZ	Batch ID: 1465	TestNo: SW8021B	(SW5035A)	Analysis Date: 11/16/2006	SeqNo: 121682

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	440	20.0	400	4.157	109	70	130	0	0		
Ethylbenzene	458.5	20.0	400	3.098	114	70	130	0	0		
m,p-Xylene	903.1	40.0	800	10.77	112	70	130	0	0		
o-Xylene	459.9	20.0	400	0	115	70	130	0	0		
Toluene	444	20.0	400	5.325	110	70	130	0	0		
Surr: 1,4-Difluorobenzene	1195	0	1000	0	119	75	120	0	0		
Surr: 4-Bromochlorobenzene	1197	0	1000	0	120	50	140	0	0		
Surr: Fluorobenzene	1187	0	1000	0	119	70	120	0	0		

Sample ID 0611012-001AMS	SampType: MS	TestCode: BTEX_S	Units: µg/Kg	Prep Date: 11/13/2006	Run ID: GC-1_061116A
Client ID: Filters	Batch ID: 1465	TestNo: SW8021B	(SW5035A)	Analysis Date: 11/16/2006	SeqNo: 121684

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	225200	9300	186000	20380	110	70	130	0	0		
Ethylbenzene	240800	9300	186000	23320	117	70	130	0	0		
m,p-Xylene	652200	18600	372000	260000	105	70	130	0	0		
o-Xylene	265200	9300	186000	62740	109	70	130	0	0		
Toluene	357700	9300	186000	169100	101	70	130	0	0		

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B - Analyte detected in the associated Method Blank

CLIENT: Souder, Miller & Associates
Work Order: 0611012
Project: Basin Disposal

ANALYTICAL QC SUMMARY REPORT

TestCode: BTEX_S

Sample ID 0611012-001AMS	SampType: MS	TestCode: BTEX_S	Units: µg/Kg	Prep Date: 11/13/2006	Run ID: GC-1_061116A
Client ID: Filters	Batch ID: 1465	TestNo: SW8021B	(SW5035A)	Analysis Date: 11/16/2006	SeqNo: 121684

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Surr: 1,4-Difluorobenzene	546000	0	465000	0	117	75	120	0	0		
Surr: 4-Bromochlorobenzene	541500	0	465000	0	116	50	140	0	0		
Surr: Fluorobenzene	547400	0	465000	0	118	70	120	0	0		

Sample ID 0611012-001AMSD	SampType: MSD	TestCode: BTEX_S	Units: µg/Kg	Prep Date:	Run ID: GC-1_061116A
Client ID: Filters	Batch ID: 1465	TestNo: SW8021B	(SW5035A)	Analysis Date: 11/16/2006	SeqNo: 121685

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	RPD Ref Val	%RPD	RPDLimit	Qual
Benzene	217400	9300	186000	20380	106	70	130	225200	3.51	15	
Ethylbenzene	226600	9300	186000	23320	109	70	130	240800	6.08	15	
m,p-Xylene	632000	18600	372000	260000	100	70	130	652200	3.14	15	
o-Xylene	255200	9300	186000	62740	103	70	130	265200	3.84	15	
Toluene	351900	9300	186000	169100	98.3	70	130	357700	1.65	15	
Surr: 1,4-Difluorobenzene	551000	0	465000	0	119	75	120	0	0	0	
Surr: 4-Bromochlorobenzene	504000	0	465000	0	108	50	140	0	0	0	
Surr: Fluorobenzene	551400	0	465000	0	119	70	120	0	0	0	

Qualifiers:
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R - RPD outside accepted recovery limits
B - Analyte detected in the associated Method Blank

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Sample Receipt Checklist

Client Name: **SMA1005**

Date and Time Received: **11/8/2006 11:40:00 AM**

Work Order Number: **0611012**

Received by: elc

Checklist completed by: Yelena 11/8/06 (Signature / Date)

Reviewed by: JLE 11/10/06 (Initials / Date)

Matrix:

Carrier name: John Hagstrom

Shipping container/cooler in good condition?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on shippping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☐	No ☑	
Water - VOA vials have zero headspace?	No VOA vials submitted ☑	Yes ☐	No ☐
Water - pH acceptable upon receipt?	Yes ☐	No ☑	Solid sample

Adjusted? _____ Checked by: _____

Any No and/or NA (not applicable) response must be detailed in the comments section below.

Client contacted: _____ Date contacted: _____ Person contacted: _____

Contacted by: _____ Regarding: _____

Comments: _____

Corrective Action: _____

CHAIN OF CUSTODY RECORD

5572

Ainá bá (for life's sake)
612 E. Murray Dr. • P.O. Box 2606 • Farmington, NM 87499
Phone: (505) 327-1072 • Fax: (505) 327-1496

Date 11/8/06 Page 1 of 1

REPORT RESULTS TO:
Report to: J. HAGSTROM
Company: SMA
Address: 612 E. MURRAY DR.
City: FARMINGTON, NM
Phone: Fax: Email:

SEND INVOICE TO:
PO No.: Job No.:
Name:
Company:
Address:
City:

Turnaround Time:
10 days (normal) ✓
24-48 hours (100%)
3-5 days (50%)

Sample Integrity
Intact ✓
On Ice 17 1:06

Subcontract
Yes ✓ SK
No ✓

Sampling Location:
BASIN DISPOSAL

Analysis Requested

Sample Identification	Sample Date	Sample Time	Matrix	Pres.	NUMBER OF CONTAINERS:	TCLP METALS	BTEX	PAINT FILTER	CHLORIDES					Lab ID
FILTERS	11/8/06	1000	FILTER MEDIA	—	2									0611L12-001

Relinquished by:	Date/Time: 11/8/06 1135	Received by:	Date/Time: 11/8/06 11:40
Relinquished by:	Date/Time:	Received by:	Date/Time:
Relinquished by:	Date/Time:	Received by:	Date/Time:

Comments:

DISTRIBUTION WHITE - Lab • YELLOW - Client • PINK - Courier

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Souder, Miller & Associates
Scientists & Engineers
P.O. Box 2606
Farmington, NM 87499-2606
612 East Murray Drive
Farmington, NM 87401-6624
Phone (505) 325-5667

Fax (505) 327-1496
www.soudermiller.com

Facsimile Transmittal Form

To:	Paula	From:	John Hagstrom
At:	WCA	At:	Souder, Miller & Associates
Fax:	970-247-0636	Fax:	(505) 327-1496
Date:	11/27/06	Pages:	

Re:

Comments:
Profile # request for Basin Disposal Filter Media.

Jimmy Barnes, Plant Manager, 505-632-8936, Fax 505-632-2215

SMA
John Hagstrom

☐ For Your Information	☐ As Requested	☐ For Approval	☐ Approved	☐ For Record
☐ Please Call to Discuss	☐ Please Follow Up	☐ Please Return Signed	☐ Please Retain	☐ No Original to Follow

If you did not receive all pages listed or if pages are not legible, please immediately notify the sender by telephone.

If this has been sent to you in error, please destroy.

Attn: Paula 970-247-0636

GENERATOR WASTE PROFILE SHEET

Waste Profile #:

Requested Disposal Facility: _____

a Waste Corporation of America Company

I. GENERATOR INFORMATION

Date: 11/27/06

Generator Name: BASIN DISPOSAL			
Generator Site Address: P.O. BOX 100			
City: AZTEC	County: SAN JUAN	State: NM	Zip: 87401
Generator State ID No: NM 1-005		SIC Code No.	
Generator Mailing Address (if different):			
City:	County:	State:	Zip:
Generator Contact Name: Jimmy BARNES			
Phone Number: 505-632-8934	Fax Number: 505-632-2215		

II. TRANSPORTER INFORMATION

Transporter Name: WCA			
Transporter Address:			
City:	County:	State:	Zip:
Transporter Contact Name:			
Phone Number:	Fax Number:	State Transportation #:	

III. WASTE STREAM INFORMATION

Name of Waste:	FILTER MEDIA
Process Generating Waste:	PETROLEUM WASTE
Type of waste:	(INDUSTRIAL PROCESS WASTE) or POLLUTION CONTROL WASTE
Physical State:	(SOLID) SEMI-SOLID POWDER LIQUID OTHER:
Method of Shipment:	(BULK) DRUM BAGGED OTHER / EXPLAIN:
Estimated Annual Volume:	CUBIC YARDS: _____ TONS: _____ OTHER: _____
Frequency:	ONE TIME ONLY DAILY (WEEKLY) MONTHLY OTHER / EXPLAIN:
SPECIAL HANDLING INSTRUCTIONS:	NONE

IV. REPRESENTATIVE SAMPLE CERTIFICATION

Is the representative sample collected to prepare this profile and laboratory analysis, collected in accordance with U.S. EPA § 40 CFR 261.20(c) guidelines or equivalent rules?	YES or NO
Sample Date: 11/6/2006	Circle one: COMPOSITE SAMPLE (GRAB SAMPLE)
Sampler's Employer:	SOUDER MILLER & ASSOC.
Sampler's Name (printed):	JOHN HAGSTROM
Signature:	

V. PHYSICAL CHARACTERISTICS OF WASTE

Waste Profile #_____

CHARACTERISTIC COMPONENTS	% BY WEIGHT (range)
1. FILTER MEDIA	97%
2. METALS	< 2%
3. VOLATILES	< 1%

Color	Odor (describe):	Free Liquids:	% Solids	pH:	Flash Point:	Phenol
GREY	PETROLEUM HYDROCARBON	YES or NO Content 0.780 %	99.220%	NA	0 °F	0 ppm

Attach Laboratory Analytical Report (and or Material Safety Data Sheet) Including Required Parameters Provided for this Profile

Does this waste or generating process contain regulated concentrations of the following Pesticides and/or Herbicides: Chlordane, Endrin, Heptachlor (and its epoxides), Lindane, Methoxychlor, Toxaphene, 2, 4-D, 2, 4, 5, -TP Silvex as defined in § 40 CFR 261.33?	YES or (NO)
Does this waste or generating process cause it to exceed OSHA exposure limits from high levels of Hydrogen Sulfide or Hydrogen Cyanide as defined in § 40 CFR 261.23?	YES or (NO)
Does this waste contain regulated concentrations of Polychlorinated Biphenyls (PCBs) as defined in §40 CFR Part 761?	YES or (NO)
Does this waste contain regulated concentrations of listed hazardous wastes defined by §40 CFR 261.31, 261.32, 261.33, including RCRA F-Listed Solvents?	YES or (NO)
Does this waste contain regulated concentrations of 2, 3, 7, 8 - Tetrachlorodibenzodioxin (2, 3, 7, 8 - TCCD), or any other dioxin as defined in § 40 CRF 261.31?	YES or (NO)
Is this a regulated Toxic Material as defined by Federal and/or State regulations?	YES or (NO)
Is this a regulated Radioactive Waste as defined by Federal and/or State regulations?	YES or (NO)
Is this a regulated Medical or Infectious Waste as defined by Federal and/or State regulations?	YES or (NO)
Is this waste generated at a Federal Superfund Clean Up Site?	YES or (NO)

VI. SPECIAL CONDITIONS:

This approval is granted subject to the enforcement of the conditions listed below:
1) Loads of this waste stream may be randomly inspected upon receipt at the landfill to conform with the Waste Profile Sheet.
2) Any load determined to contain free liquids cannot be accepted for landfill disposal (40 CFR 258.28)
3) A non-hazardous manifest must accompany each load to the landfill.
4) Customer must contact landfill to schedule this waste stream prior to disposal.

Waste Corporation of America, Landfill Compliance Department has reviewed the appropriate paperwork submitted for approval. This material has been found to be acceptable for non-hazardous waste disposal in accordance with US EPA Retulations 40 CFR 261.

VII. GENERATOR CERTIFICATION

I hereby certify that to the best of my knowledge and belief, the information contained herein is a true and accurate description of the waste material being offered for disposal. I further certify that by utilizing this profile, neither myself nor any other employee of the company will deliver for disposal or attempt to deliver for disposal any waste which is classified as toxic waste, hazardous waste, medical or infectious waste, or any other waste material this facility is prohibited from accepting by law. Our company hereby agrees to fully indemnify this disposal facility against any charges resulting from this certification being inaccurate or untrue.

JOHN HAGSTROM AS AGENT — AUTHORIZED REPRESENTATIVE NAME AND TITLE (Printed)

SMA — COMPANY NAME

AUTHORIZED REPRESENTATIVE SIGNATURE

11/27/06 — DATE

III. WASTE CORPORATION OF AMERICA DECISION

Approved Rejected Expiration:_____

Conditions:

Name, Title Signature Date

BASIN DISPOSAL, INC.
"SPECIALIZING IN DISPOSAL OF PRODUCED WATER AND DRILLING MUD
P.O. BOX 100 - AZTEC, NEW MEXICO 87410 - PHONE: (505) 334-3013

29 November, 2006

RECEIVED

DEC 04 2006

Oil Conservation Division
1220 S. St. Francis Drive
Santa Fe, NM 87505

Brad Jones
EMNRD/OCD
Environmental Bureau
1220 South St. Francis Dr.,
Santa Fe, New Mexico 87505

RE: Pump House Sump Water Analysis 11-22-06
Request to Dispose of Non-Exempt, Non-Hazardous Waste from an OCD Permitted Facility

Dear Mr. Jones;

During the OCD's inspection of Basin Disposal on November 6, 2006 it was stated that Basin Disposal has been sending the water from the pump house sump for disposal at IEI Landfarm and had characterized that water as Exempt Oil Field Waste.

The OCD pointed out that the produced water, which is Exempt, is mixed with a small amount of lubrication oil from the pumps, which is Non-Exempt, the entire waste stream is therefore Non-Exempt. It was required that Basin Disposal have a Hazardous Waste Characterization performed on this waste stream. The results are attached.

Based on the analysis, showing the waste is Non-Hazardous, Basin Disposal respectfully requests that this waste stream be allowed to be disposed of at the IEI Landfarm as Non-exempt, Non-Hazardous Waste from an OCD Permitted Facility.

Basin Disposal will submit to IEI Landfarm a Certificate of Waste Status and the analytical results. All subsequent wastes from this sump will also be accompanied by a statement from myself that there has been no change in the processes employed. If at anytime the process does change, a new set of analytical tests will be conducted. Additionally, even if the process remains the same, the waste stream will be analyzed annually and those results submitted to IEI Landfarm or other OCD permitted facility where the waste may be sent.

If you have any questions, please feel free to phone me at 334-3013 or 320-2840 or via email at bdinc@digii.net.

Sincerely;

John Volkerding
General Manager

Attach: Analytical Report

Cc: Aztec OCD Office

DOCUMENTATION REQUIRED TO ACCEPT WASTES
COMMERCIAL SURFACE DISPOSAL FACILITIES
(April 1, 1993)

1. Exempt Oilfield Waste: A "Certification of Waste Status" signed by a corporate official of the waste generator certifying that the wastes are generated from oil and gas exploration and production operations and are exempt from Resource Conservation and Recovery Act (RCRA) Subtitle C regulations.

2. Exempt, Non-Oilfield Waste: A "Certification of Waste Status" signed by the New Mexico Environment Department (NMED) or the appropriate regulatory agency for non-oilfield wastes which are exempt from RCRA Subtitle C regulations. Acceptance is on a case-by-case basis only after OCD approval from both Santa Fe and the appropriate district office.

3. Non-exempt, Non-hazardous Waste from OCD Permitted Facilities: The analytical results of *Hazardous Waste Characterization. The test for hazardous characteristics for a particular waste may be effective for one year from the date of analysis, if, the subsequent wastes from the same waste stream are accompanied by a statement from a corporate official that there has been no change in the processes employed or the chemicals stored/used at the facility generating the waste. Acceptance is on a case-by-case basis only after OCD approval from both Santa Fe and the appropriate district office.

4. Non-Exempt, Non-hazardous, Non-Oilfield Waste: The analytical results of *Hazardous Waste Characterization **and** a "Certification of Waste Status" certifying the non-hazardous classification of the wastes signed by the NMED or appropriate regulatory agency. Acceptance of waste is on a case-by-case basis only after OCD approval from both Santa Fe and the appropriate district.

5. Hazardous Waste: At no time will wastes which are hazardous by either listing or testing be accepted at an OCD permitted disposal facility.

* Includes corrosivity, reactivity, ignitability, and toxic constituents and a certification that no listed hazardous wastes are contained within the wastes. The samples for these analyses and results will be obtained from the wastes prior to removal from the generator's facility and without dilution in accordance with EPA SW-846 sampling procedures.

As of September 1997 The OCD has adopted the following mixture policy:

A mixtures of exempt and nonexempt waste will be considered exempt ONLY if it meets all of the following conditions:

A. The nonexempt portion of the waste is nonhazardous through testing,
B. The total nonexempt portion of the waste constitutes no more than five (5) percent by volume of the final mixture unless an exception is granted by the director,
C. The mixture is the result of an incidental and unavoidable part of an OCD approved process ,
D. Both the exempt and nonexempt portion of the waste are generated as a result of exploration and production of oil and gas, processing of gas or the transportation of natural gas prior to processing.

If a waste which is classified as hazardous by testing or listing is mixed with any other waste, the entire resultant volume will be considered hazardous.

2. The following OCD regulated facilities may be subject to hazardous waste rules for disposal of wastes and contaminated soils containing benzene:

-- Oil and gas service companies having wastes such as vacuum truck, tank, and drum rinsate from trucks, tanks and drums transporting or containing non-exempt waste.
-- Transportation pipelines and mainline compressor stations generating waste, including waste deposited in transportation pipeline-related pits.

Source: Federal Register, Thursday, March 29, 1990, p.11,798 - 11,877.

3. In April, 1991, EPA clarified the status of oil and tank bottom reclamation facilities:

A Those wastes that are derived from the processing by reclaimers of only exempt wastes from primary oil and gas field operations are also exempt from the hazardous waste requirements. For example, wastes generated from the process of recovering crude oil from tank bottoms are exempt because the crude storage tanks are exempt.

B. Those reclaimer wastes derived from non-exempt wastes (e.g. reclamation of used motor oil, refined product tank bottoms), or that otherwise contain material which are not uniquely associated with or intrinsic to primary exploration and production field operations would not be exempt. An example of such non-exempt wastes would be waste solvent generated from the solvent cleaning of tank trucks that are used to transport oil field tank bottoms. The use of solvent is neither unique nor intrinsic to the production of crude oil.

Source: EPA Office of Solid Waste and Emergency Response letter opinion dated April 2, 1991, signed by Don R. Clay, Assistant Administrator.

612 E. Murray Drive
Farmington, NM 87401

Off: (505) 327-1072
Fax: (505) 327-1496

iiná bá

P.O. Box 3788
Shiprock, NM 87420

Off: (505) 368-4065

November 20, 2006

John Hagstrom
Souder, Miller & Associates
612 E. Murray Dr
Farmington, NM 87401

TEL: 505-325-5667
FAX: 505-327-1496

RE: Basin Disposal

Order No.: 0611010

Dear John Hagstrom:

iiná bá received 1 sample on 11/8/2006 10:45:00 AM for the analyses presented in the following report.

This certificate of analysis includes the Analytical Report(s) for the sample(s) received by the laboratory. A Quality Control Summary Report, the Sample Receipt Checklist and an executed Chain of Custody are included as an addendum to this report.

Should you have any questions regarding this certificate of analysis, please contact the laboratory at your convenience.

Report Approved By: Jeffrey L Engels
Jeffrey L. Engels, Laboratory Manager
Edwina F. Aspaas, Quality Assurance Officer

612 E. Murray Drive
Farmington, NM 87499

Off: (505) 327-1072
FAX: (505) 327-1496

iiná bá

P.O. Box 3788
Shiprock, NM 87420

Off: (505) 368-4065

iiná bá **Date:** *20-Nov-06*

CLIENT: Souder, Miller & Associates
Project: Basin Disposal
Lab Order: 0611010

CASE NARRATIVE

Test America analyzed for TCLP metals, volatiles, semi-volatiles, pesticides, and herbicides. Their report is attached.

iiná bá

Sample Receipt Checklist

Client Name: **SMA1005**

Date and Time Received: **11/8/2006 10:45:00 AM**

Work Order Number: **0611010**

Received by: jem

Checklist completed by: J. Moore 11/8/06 (Signature / Date)

Reviewed by: JK 11/9/06 (Initials / Date)

Matrix:

Carrier name: John Hagstrom

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐
Custody seals intact on shippping container/cooler?	Yes ☐	No ☐	Not Present ☑
Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
Chain of custody present?	Yes ☑	No ☐	
Chain of custody signed when relinquished and received?	Yes ☑	No ☐	
Chain of custody agrees with sample labels?	Yes ☑	No ☐	
Samples in proper container/bottle?	Yes ☑	No ☐	
Sample containers intact?	Yes ☑	No ☐	
Sufficient sample volume for indicated test?	Yes ☑	No ☐	
All samples received within holding time?	Yes ☑	No ☐	
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐	12°C on ice
Water - VOA vials have zero headspace?	No VOA vials submitted ☑	Yes ☐	No ☐
Water - pH acceptable upon receipt?	Yes ☑	No ☐	

Adjusted? _____ Checked by: _____

Any No and/or NA (not applicable) response must be detailed in the comments section below.

Client contacted: _____ Date contacted: _____ Person contacted: _____

Contacted by: _____ Regarding: _____

Comments: Samples received on ice with 2 hours of sampling event.

Corrective Action: _____

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

November 20, 2006

Client: Iina Ba, LTD (3130)
612 E. Murray Drive
Farmington, NM 87401
Attn: Jeff Engels

Work Order: NPK1622
Project Name: Iina Ba, LTD
Project Nbr: 0611010
P/O Nbr:
Date Received: 11/10/06

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE AND TIME
0611010-001A	NPK1622-01	11/08/06 09:10

An executed copy of the chain of custody, the project quality control data, and the sample receipt form are also included as an addendum to this report. If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-800-765-0980. Any opinions, if expressed, are outside the scope of the Laboratory's accredidation.

The Chain(s) of Custody, 2 pages, are included and are an integral part of this report.

These results relate only to the items tested. This report shall not be reproduced except in full and with permission of the laboratory.

Report Approved By:

Roxanne L. Connor

Roxanne Connor
Program Manager - Conventional Accounts

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	Iina Ba, LTD (3130)	Work Order:	NPK1622
	612 E. Murray Drive	Project Name:	Iina Ba, LTD
	Farmington, NM 87401	Project Number:	0611010
Attn	Jeff Engels	Received:	11/10/06 07:50

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NPK1622-01 (0611010-001A - Water) Sampled: 11/08/06 09:10								
TCLP Metals by 6000/7000 Series Methods								
Arsenic	ND		mg/L	0.100	1	11/13/06 14:57	W846 1311/6010	6112564
Barium	**0.143**		mg/L	0.100	1	11/13/06 14:57	W846 1311/6010	6112564
Cadmium	ND		mg/L	0.0100	1	11/13/06 14:57	W846 1311/6010	6112564
Chromium	ND		mg/L	0.0500	1	11/13/06 14:57	W846 1311/6010	6112564
Lead	ND		mg/L	0.0500	1	11/13/06 14:57	W846 1311/6010	6112564
Selenium	ND		mg/L	0.100	1	11/13/06 14:57	W846 1311/6010	6112564
Silver	ND		mg/L	0.0500	1	11/13/06 14:57	W846 1311/6010	6112564
Mercury	ND		mg/L	0.0100	1	11/14/06 11:53	W846 1311/7470.	6112494
TCLP Chlorinated Herbicides by EPA Method 8151								
2,4-D	ND		mg/L	0.100	1	11/15/06 17:33	W846 1311/8151.	6112666
2,4,5-TP (Silvex)	ND		mg/L	0.100	1	11/15/06 17:33	W846 1311/8151.	6112666
Surr: Dichloroacetic Acid (27-153%)	*78 %*					*11/15/06 17:33*	*W846 1311/8151.*	*6112666*
TCLP Volatile Organic Compounds by EPA Method 1311/8260B								
Benzene	**0.201**		mg/L	0.100	10	11/15/06 23:22	W846 1311/8260	6112757
2-Butanone	ND		mg/L	2.50	10	11/15/06 23:22	W846 1311/8260	6112757
Carbon Tetrachloride	ND		mg/L	0.100	10	11/15/06 23:22	W846 1311/8260	6112757
Chlorobenzene	ND		mg/L	0.100	10	11/15/06 23:22	W846 1311/8260	6112757
Chloroform	ND		mg/L	0.100	10	11/15/06 23:22	W846 1311/8260	6112757
1,2-Dichloroethane	ND		mg/L	0.100	10	11/15/06 23:22	W846 1311/8260	6112757
1,1-Dichloroethene	ND		mg/L	0.100	10	11/15/06 23:22	W846 1311/8260	6112757
Tetrachloroethene	ND		mg/L	0.100	10	11/15/06 23:22	W846 1311/8260	6112757
Trichloroethene	ND		mg/L	0.100	10	11/15/06 23:22	W846 1311/8260	6112757
Vinyl chloride	ND		mg/L	0.100	10	11/15/06 23:22	W846 1311/8260	6112757
Surr: 1,2-Dichloroethane-d4 (62-142%)	*93 %*					*11/15/06 23:22*	*W846 1311/8260*	*6112757*
Surr: Dibromofluoromethane (78-123%)	*94 %*					*11/15/06 23:22*	*W846 1311/8260*	*6112757*
Surr: Toluene-d8 (79-120%)	*95 %*					*11/15/06 23:22*	*W846 1311/8260*	*6112757*
Surr: 4-Bromofluorobenzene (75-133%)	*95 %*					*11/15/06 23:22*	*W846 1311/8260*	*6112757*
TCLP Semivolatile Organic Compounds by EPA Method 1311/8270C								
Cresol(s)	ND		mg/L	0.0200	2	11/17/06 11:37	W846 1311/8270	6112655
1,4-Dichlorobenzene	ND		mg/L	0.0200	2	11/17/06 11:37	W846 1311/8270	6112655
2,4-Dinitrotoluene	ND		mg/L	0.0200	2	11/17/06 11:37	W846 1311/8270	6112655
Hexachlorobenzene	ND		mg/L	0.0200	2	11/17/06 11:37	W846 1311/8270	6112655
Hexachlorobutadiene	ND		mg/L	0.0200	2	11/17/06 11:37	W846 1311/8270	6112655
Hexachloroethane	ND		mg/L	0.0200	2	11/17/06 11:37	W846 1311/8270	6112655
Nitrobenzene	ND		mg/L	0.0200	2	11/17/06 11:37	W846 1311/8270	6112655
Pentachlorophenol	ND		mg/L	0.0200	2	11/17/06 11:37	W846 1311/8270	6112655
Pyridine	ND		mg/L	0.0200	2	11/17/06 11:37	W846 1311/8270	6112655
2,4,6-Trichlorophenol	ND		mg/L	0.0200	2	11/17/06 11:37	W846 1311/8270	6112655
2,4,5-Trichlorophenol	ND		mg/L	0.0200	2	11/17/06 11:37	W846 1311/8270	6112655
2-Methylphenol	ND		mg/L	0.0200	2	11/17/06 11:37	W846 1311/8270	6112655
3/4-Methylphenol	ND		mg/L	0.0200	2	11/17/06 11:37	W846 1311/8270	6112655
Surr: Terphenyl-d14 (29-149%)	*72 %*					*11/17/06 11:37*	*W846 1311/8270*	*6112655*
Surr: 2,4,6-Tribromophenol (40-161%)	*76 %*					*11/17/06 11:37*	*W846 1311/8270*	*6112655*

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	Iina Ba, LTD (3130)	Work Order:	NPK1622
	612 E. Murray Drive	Project Name:	Iina Ba, LTD
	Farmington, NM 87401	Project Number:	0611010
Attn	Jeff Engels	Received:	11/10/06 07:50

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NPK1622-01 (0611010-001A - Water) - cont. Sampled: 11/08/06 09:10								
TCLP Semivolatile Organic Compounds by EPA Method 1311/8270C - cont.								
Surr: Phenol-d5 (11-76%)	*48 %*					*11/17/06 11:37*	*W846 1311/8270*	*6112655*
Surr: 2-Fluorobiphenyl (30-120%)	*74 %*					*11/17/06 11:37*	*W846 1311/8270*	*6112655*
Surr: 2-Fluorophenol (20-86%)	*58 %*					*11/17/06 11:37*	*W846 1311/8270*	*6112655*
Surr: Nitrobenzene-d5 (24-125%)	*69 %*					*11/17/06 11:37*	*W846 1311/8270*	*6112655*
TCLP Pesticides by EPA Method 1311/8081A								
gamma-BHC (Lindane)	ND		mg/L	0.000500	1	11/14/06 21:11	W846 1311/8081.	6112650
Chlordane	ND		mg/L	0.00100	1	11/14/06 21:11	W846 1311/8081.	6112650
Endrin	ND		mg/L	0.000500	1	11/14/06 21:11	W846 1311/8081.	6112650
Heptachlor	ND		mg/L	0.000500	1	11/14/06 21:11	W846 1311/8081.	6112650
Heptachlor epoxide	ND		mg/L	0.000500	1	11/14/06 21:11	W846 1311/8081.	6112650
Methoxychlor	ND		mg/L	0.000500	1	11/14/06 21:11	W846 1311/8081.	6112650
Toxaphene	ND		mg/L	0.0500	1	11/14/06 21:11	W846 1311/8081.	6112650
Surr: Tetrachloro-meta-xylene (46-127%)	*1084 %*	*Z5*				*11/14/06 21:11*	*W846 1311/8081.*	*6112650*
Surr: Decachlorobiphenyl (25-144%)	*101 %*					*11/14/06 21:11*	*W846 1311/8081.*	*6112650*

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	612 E. Murray Drive	Project Name:	Iina Ba, LTD
	Farmington, NM 87401	Project Number:	0611010
Attn	Jeff Engels	Received:	11/10/06 07:50

SAMPLE EXTRACTION DATA

Parameter	Batch	Lab Number	Wt/Vol Extracted	Extracted Vol	Date	Analyst	Extraction Method
TCLP Chlorinated Herbicides by EPA Method 8151							
SW846 1311/8151A	6112666	NPK1622-01	5.00	5.00	11/14/06 10:35	SHJ	EPA 8151A
TCLP Extraction by EPA 1311							
SW846 1311	6112393	NPK1622-01	100.00	2000.00	11/11/06 12:48	JSS	EPA 1311
SW846 1311	6112393	NPK1622-01	100.00	2000.00	11/11/06 12:48	JSS	EPA 1311
SW846 1311	6112393	NPK1622-01	100.00	2000.00	11/11/06 12:48	JSS	EPA 1311
TCLP Metals by 6000/7000 Series Methods							
SW846 1311/6010B	6112564	NPK1622-01	5.00	50.00	11/13/06 11:30	LTB	EPA 3015
SW846 1311/6010B	6112564	NPK1622-01	5.00	50.00	11/13/06 11:30	LTB	EPA 3015
SW846 1311/6010B	6112564	NPK1622-01	5.00	50.00	11/13/06 11:30	LTB	EPA 3015
SW846 1311/6010B	6112564	NPK1622-01	5.00	50.00	11/13/06 11:30	LTB	EPA 3015
SW846 1311/6010B	6112564	NPK1622-01	5.00	50.00	11/13/06 11:30	LTB	EPA 3015
SW846 1311/6010B	6112564	NPK1622-01	5.00	50.00	11/13/06 11:30	LTB	EPA 3015
SW846 1311/6010B	6112564	NPK1622-01	5.00	50.00	11/13/06 11:30	LTB	EPA 3015
SW846 1311/6010B	6112393	NPK1622-01	100.00	2000.00	11/11/06 15:15	JSS	EPA 1311
SW846 1311/7470A	6112494	NPK1622-01	3.00	30.00	11/13/06 07:58	JMR	EPA 7470
TCLP Pesticides by EPA Method 1311/8081A							
SW846 1311/8081A	6112650	NPK1622-01	100.00	10.00	11/14/06 10:40	KLG	EPA 3510C Leachate
TCLP Semivolatile Organic Compounds by EPA Method 1311/8270C							
SW846 1311/8270C	6112655	NPK1622-01	500.00	1.00	11/14/06 11:30	KLG	EPA 3510C Leachate
SW846 1311/8270C	6112393	NPK1622-01	100.00	2000.00	11/11/06 12:48	JSS	EPA 1311

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	Iina Ba, LTD (3130)	Work Order:	NPK1622
	612 E. Murray Drive	Project Name:	Iina Ba, LTD
	Farmington, NM 87401	Project Number:	0611010
Attn	Jeff Engels	Received:	11/10/06 07:50

PROJECT QUALITY CONTROL DATA
Blank

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
TCLP Metals by 6000/7000 Series Methods						
6112494-BLK1						
Mercury	<0.00500		mg/L	6112494	6112494-BLK1	11/14/06 11:11
6112564-BLK1						
Arsenic	0.0340		mg/L	6112564	6112564-BLK1	11/13/06 13:49
Barium	<0.00100		mg/L	6112564	6112564-BLK1	11/13/06 13:49
Cadmium	<0.000400		mg/L	6112564	6112564-BLK1	11/13/06 13:49
Chromium	<0.00130		mg/L	6112564	6112564-BLK1	11/13/06 13:49
Lead	<0.00220		mg/L	6112564	6112564-BLK1	11/13/06 13:49
Selenium	0.0231		mg/L	6112564	6112564-BLK1	11/13/06 13:49
Silver	<0.00190		mg/L	6112564	6112564-BLK1	11/13/06 13:49
TCLP Chlorinated Herbicides by EPA Method 8151						
6112666-BLK1						
2,4-D	<0.0220		mg/L	6112666	6112666-BLK1	11/15/06 17:56
2,4,5-TP (Silvex)	<0.00400		mg/L	6112666	6112666-BLK1	11/15/06 17:56
Surrogate: Dichloroacetic Acid	93%			6112666	6112666-BLK1	11/15/06 17:56
TCLP Volatile Organic Compounds by EPA Method 1311/8260B						
6112757-BLK1						
Benzene	<0.00310		mg/L	6112757	6112757-BLK1	11/15/06 22:07
2-Butanone	<0.00310		mg/L	6112757	6112757-BLK1	11/15/06 22:07
Carbon Tetrachloride	<0.00220		mg/L	6112757	6112757-BLK1	11/15/06 22:07
Chlorobenzene	<0.00340		mg/L	6112757	6112757-BLK1	11/15/06 22:07
Chloroform	<0.00510		mg/L	6112757	6112757-BLK1	11/15/06 22:07
1,2-Dichloroethane	<0.00370		mg/L	6112757	6112757-BLK1	11/15/06 22:07
1,1-Dichloroethene	<0.00270		mg/L	6112757	6112757-BLK1	11/15/06 22:07
Tetrachloroethene	<0.00320		mg/L	6112757	6112757-BLK1	11/15/06 22:07
Trichloroethene	<0.00250		mg/L	6112757	6112757-BLK1	11/15/06 22:07
Vinyl chloride	<0.00260		mg/L	6112757	6112757-BLK1	11/15/06 22:07
Surrogate: 1,2-Dichloroethane-d4	96%			6112757	6112757-BLK1	11/15/06 22:07
Surrogate: Dibromofluoromethane	94%			6112757	6112757-BLK1	11/15/06 22:07
Surrogate: Toluene-d8	94%			6112757	6112757-BLK1	11/15/06 22:07
Surrogate: 4-Bromofluorobenzene	96%			6112757	6112757-BLK1	11/15/06 22:07
TCLP Semivolatile Organic Compounds by EPA Method 1311/8270C						
6112655-BLK1						
Cresol(s)	<0.0188		mg/L	6112655	6112655-BLK1	11/16/06 14:43
1,4-Dichlorobenzene	<0.0112		mg/L	6112655	6112655-BLK1	11/16/06 14:43
2,4-Dinitrotoluene	<0.0104		mg/L	6112655	6112655-BLK1	11/16/06 14:43
Hexachlorobenzene	<0.00860		mg/L	6112655	6112655-BLK1	11/16/06 14:43
Hexachlorobutadiene	<0.0104		mg/L	6112655	6112655-BLK1	11/16/06 14:43
Hexachloroethane	<0.0116		mg/L	6112655	6112655-BLK1	11/16/06 14:43

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	Iina Ba, LTD (3130)	Work Order:	NPK1622
	612 E. Murray Drive	Project Name:	Iina Ba, LTD
	Farmington, NM 87401	Project Number:	0611010
Attn	Jeff Engels	Received:	11/10/06 07:50

PROJECT QUALITY CONTROL DATA
Blank - Cont.

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
TCLP Semivolatile Organic Compounds by EPA Method 1311/8270C						
6112655-BLK1						
Nitrobenzene	<0.00900		mg/L	6112655	6112655-BLK1	11/16/06 14:43
Pentachlorophenol	<0.00900		mg/L	6112655	6112655-BLK1	11/16/06 14:43
Pyridine	<0.0102		mg/L	6112655	6112655-BLK1	11/16/06 14:43
2,4,6-Trichlorophenol	<0.00840		mg/L	6112655	6112655-BLK1	11/16/06 14:43
2,4,5-Trichlorophenol	<0.00840		mg/L	6112655	6112655-BLK1	11/16/06 14:43
2-Methylphenol	<0.00560		mg/L	6112655	6112655-BLK1	11/16/06 14:43
3/4-Methylphenol	<0.00620		mg/L	6112655	6112655-BLK1	11/16/06 14:43
Surrogate: Terphenyl-d14	78%			6112655	6112655-BLK1	11/16/06 14:43
Surrogate: 2,4,6-Tribromophenol	74%			6112655	6112655-BLK1	11/16/06 14:43
Surrogate: Phenol-d5	39%			6112655	6112655-BLK1	11/16/06 14:43
Surrogate: 2-Fluorobiphenyl	74%			6112655	6112655-BLK1	11/16/06 14:43
Surrogate: 2-Fluorophenol	50%			6112655	6112655-BLK1	11/16/06 14:43
Surrogate: Nitrobenzene-d5	72%			6112655	6112655-BLK1	11/16/06 14:43
TCLP Pesticides by EPA Method 1311/8081A						
6112650-BLK1						
gamma-BHC (Lindane)	<0.000300		mg/L	6112650	6112650-BLK1	11/14/06 19:41
Chlordane	<0.000700		mg/L	6112650	6112650-BLK1	11/14/06 19:41
Endrin	<0.000400		mg/L	6112650	6112650-BLK1	11/14/06 19:41
Heptachlor	<0.000300		mg/L	6112650	6112650-BLK1	11/14/06 19:41
Heptachlor epoxide	<0.000300		mg/L	6112650	6112650-BLK1	11/14/06 19:41
Methoxychlor	<0.000300		mg/L	6112650	6112650-BLK1	11/14/06 19:41
Toxaphene	<0.0170		mg/L	6112650	6112650-BLK1	11/14/06 19:41
Surrogate: Tetrachloro-meta-xylene	106%			6112650	6112650-BLK1	11/14/06 19:41
Surrogate: Decachlorobiphenyl	113%			6112650	6112650-BLK1	11/14/06 19:41

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ANALYTICAL TESTING CORPORATION
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Client	Iina Ba, LTD (3130)	Work Order:	NPK1622
	612 E. Murray Drive	Project Name:	*Iina Ba, LTD*
	Farmington, NM 87401	Project Number:	0611010
Attn	Jeff Engels	Received:	11/10/06 07:50

PROJECT QUALITY CONTROL DATA
LCS

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
TCLP Metals by 6000/7000 Series Methods								
6112494-BS1								
Mercury	0.0200	0.0202		mg/L	101%	78 - 124	6112494	11/14/06 11:20
6112564-BS1								
Arsenic	10.0	9.87		mg/L	99%	80 - 120	6112564	11/13/06 13:58
Barium	100	102		mg/L	102%	80 - 120	6112564	11/13/06 13:58
Cadmium	10.0	9.85		mg/L	98%	80 - 120	6112564	11/13/06 13:58
Chromium	50.0	48.0		mg/L	96%	80 - 120	6112564	11/13/06 13:58
Lead	50.0	48.6		mg/L	97%	80 - 120	6112564	11/13/06 13:58
Selenium	10.0	9.82		mg/L	98%	80 - 120	6112564	11/13/06 13:58
Silver	*10.0*	*9.42*		mg/L	94%	*80 - 120*	*6112564*	*11/13/06 13:58*
TCLP Chlorinated Herbicides by EPA Method 8151								
6112666-BS1								
2,4-D	1.00	0.666		mg/L	67%	39 - 140	6112666	11/15/06 18:07
2,4,5-TP (Silvex)	1.00	0.652		mg/L	65%	32 - 125	6112666	11/15/06 18:07
Surrogate: Dichloroacetic Acid	1.00	0.894			89%	60 - 150	6112666	11/15/06 18:07
TCLP Volatile Organic Compounds by EPA Method 1311/8260B								
6112757-BS1								
Benzene	*50.0*	47.1		ug/L	94%	80 - 129	6112757	11/15/06 20:49
2-Butanone	250	240		ug/L	96%	72 - 132	6112757	11/15/06 20:49
Carbon Tetrachloride	50.0	50.6		ug/L	101%	66 - 147	6112757	11/15/06 20:49
Chlorobenzene	50.0	48.2		ug/L	96%	83 - 119	6112757	11/15/06 20:49
Chloroform	50.0	48.3		ug/L	97%	77 - 128	6112757	11/15/06 20:49
1,2-Dichloroethane	50.0	47.7		ug/L	95%	78 - 126	6112757	11/15/06 20:49
1,1-Dichloroethene	50.0	46.8		ug/L	94%	77 - 134	6112757	11/15/06 20:49
Tetrachloroethene	*50.0*	*50.2*		*ug/L*	*100%*	*81 - 124*	*6112757*	*11/15/06 20:49*
Trichloroethene	50.0	48.0		ug/L	96%	77 - 134	6112757	11/15/06 20:49
Vinyl chloride	50.0	50.3		ug/L	101%	55 - 150	6112757	11/15/06 20:49
Surrogate: 1,2-Dichloroethane-d4	50.0	49.3			99%	62 - 142	6112757	11/15/06 20:49
Surrogate: Dibromofluoromethane	50.0	47.7			95%	78 - 123	6112757	11/15/06 20:49
Surrogate: Toluene-d8	50.0	48.0			96%	79 - 120	6112757	11/15/06 20:49
Surrogate: 4-Bromofluorobenzene	50.0	49.1			98%	75 - 133	6112757	11/15/06 20:49
TCLP Semivolatile Organic Compounds by EPA Method 1311/8270C								
6112655-BS1								
Cresol(s)	0.400	0.276		mg/L	69%	44 - 116	6112655	11/16/06 15:11
1,4-Dichlorobenzene	0.200	0.143		mg/L	72%	28 - 95	6112655	11/16/06 15:11
2,4-Dinitrotoluene	0.200	0.163		mg/L	82%	59 - 125	6112655	11/16/06 15:11
Hexachlorobenzene	0.200	0.174		mg/L	87%	52 - 125	6112655	11/16/06 15:11
Hexachlorobutadiene	0.200	0.158		mg/L	79%	24 - 102	6112655	11/16/06 15:11
Hexachloroethane	0.200	0.168		mg/L	84%	28 - 92	6112655	11/16/06 15:11

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ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	Iina Ba, LTD (3130)	Work Order:	NPK1622
	612 E. Murray Drive	Project Name:	Iina Ba, LTD
	Farmington, NM 87401	Project Number:	0611010
Attn	Jeff Engels	Received:	11/10/06 07:50

PROJECT QUALITY CONTROL DATA
LCS - Cont.

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
TCLP Semivolatile Organic Compounds by EPA Method 1311/8270C								
6112655-BS1								
Nitrobenzene	0.200	0.141		mg/L	70%	45 - 111	6112655	11/16/06 15:11
Pentachlorophenol	0.200	0.169		mg/L	84%	48 - 139	6112655	11/16/06 15:11
Pyridine	0.200	0.0605		mg/L	30%	12 - 82	6112655	11/16/06 15:11
2,4,6-Trichlorophenol	0.200	0.152		mg/L	76%	53 - 116	6112655	11/16/06 15:11
2,4,5-Trichlorophenol	0.200	0.165		mg/L	82%	55 - 120	6112655	11/16/06 15:11
2-Methylphenol	0.200	0.135		mg/L	68%	15 - 90	6112655	11/16/06 15:11
3/4-Methylphenol	0.200	0.140		mg/L	70%	4 - 99	6112655	11/16/06 15:11
Surrogate: Terphenyl-d14	0.100	0.0759			76%	29 - 149	6112655	11/16/06 15:11
Surrogate: 2,4,6-Tribromophenol	0.100	0.0796			80%	40 - 161	6112655	11/16/06 15:11
Surrogate: Phenol-d5	0.100	0.0418			42%	11 - 76	6112655	11/16/06 15:11
Surrogate: 2-Fluorobiphenyl	0.100	0.0760			76%	30 - 120	6112655	11/16/06 15:11
Surrogate: 2-Fluorophenol	0.100	0.0517			52%	20 - 86	6112655	11/16/06 15:11
Surrogate: Nitrobenzene-d5	0.100	0.0689			69%	24 - 125	6112655	11/16/06 15:11
TCLP Pesticides by EPA Method 1311/8081A								
6112650-BS1								
gamma-BHC (Lindane)	0.0100	0.00812		mg/L	81%	48 - 142	6112650	11/14/06 19:56
Endrin	0.0100	0.00841		mg/L	84%	43 - 165	6112650	11/14/06 19:56
Heptachlor	0.0100	0.00844		mg/L	84%	30 - 134	6112650	11/14/06 19:56
Heptachlor epoxide	0.0100	0.00853		mg/L	85%	47 - 140	6112650	11/14/06 19:56
Methoxychlor	0.0100	0.00677		mg/L	68%	40 - 145	6112650	11/14/06 19:56
Surrogate: Tetrachloro-meta-xylene	0.00250	0.00251			100%	46 - 127	6112650	11/14/06 19:56
Surrogate: Decachlorobiphenyl	0.00250	0.00259			104%	25 - 144	6112650	11/14/06 19:56
6112650-BS2								
Chlordane	0.0500	0.0640		mg/L	128%	70 - 184	6112650	11/14/06 20:11
Toxaphene	0.100	0.0919		mg/L	92%	85 - 172	6112650	11/14/06 20:11
Surrogate: Tetrachloro-meta-xylene	0.00250	0.00281			112%	46 - 127	6112650	11/14/06 20:11
Surrogate: Decachlorobiphenyl	0.00250	0.00284			114%	25 - 144	6112650	11/14/06 20:11

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ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	Iina Ba, LTD (3130)	Work Order:	NPK1622
	612 E. Murray Drive	Project Name:	Iina Ba, LTD
	Farmington, NM 87401	Project Number:	0611010
Attn	Jeff Engels	Received:	11/10/06 07:50

PROJECT QUALITY CONTROL DATA

LCS Dup

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
TCLP Metals by 6000/7000 Series Methods												
6112494-BSD1												
Mercury		0.0200		mg/L	0.0200	100%	78 - 124	1	22	6112494		11/14/06 11:23
6112564-BSD1												
Arsenic		10.4		mg/L	10.0	104%	80 - 120	5	20	6112564		11/13/06 14:02
Barium		105		mg/L	100	105%	80 - 120	3	20	6112564		11/13/06 14:02
Cadmium		10.4		mg/L	10.0	104%	80 - 120	5	20	6112564		11/13/06 14:02
Chromium		50.5		mg/L	50.0	101%	80 - 120	5	20	6112564		11/13/06 14:02
Lead		51.0		mg/L	50.0	102%	80 - 120	5	20	6112564		11/13/06 14:02
Selenium		10.3		mg/L	10.0	103%	80 - 120	5	20	6112564		11/13/06 14:02
Silver		9.85		mg/L	10.0	98%	80 - 120	4	20	6112564		11/13/06 14:02
TCLP Semivolatile Organic Compounds by EPA Method 1311/8270C												
6112655-BSD1												
Cresol(s)		0.262		mg/L	0.400	66%	44 - 116	5	50	6112655		11/16/06 15:38
1,4-Dichlorobenzene		0.0697	R	mg/L	0.200	35%	28 - 95	69	35	6112655		11/16/06 15:38
2,4-Dinitrotoluene		0.154		mg/L	0.200	77%	59 - 125	6	22	6112655		11/16/06 15:38
Hexachlorobenzene		0.162		mg/L	0.200	81%	52 - 125	7	19	6112655		11/16/06 15:38
Hexachlorobutadiene		0.0954	R	mg/L	0.200	48%	24 - 102	49	29	6112655		11/16/06 15:38
Hexachloroethane		0.0710	R	mg/L	0.200	36%	28 - 92	81	37	6112655		11/16/06 15:38
Nitrobenzene		0.132		mg/L	0.200	66%	45 - 111	7	23	6112655		11/16/06 15:38
Pentachlorophenol		0.158		mg/L	0.200	79%	48 - 139	7	50	6112655		11/16/06 15:38
Pyridine		0.0950		mg/L	0.200	48%	12 - 82	44	50	6112655		11/16/06 15:38
2,4,6-Trichlorophenol		0.148		mg/L	0.200	74%	53 - 116	3	50	6112655		11/16/06 15:38
2,4,5-Trichlorophenol		0.155		mg/L	0.200	78%	55 - 120	6	50	6112655		11/16/06 15:38
2-Methylphenol		0.130		mg/L	0.200	65%	15 - 90	4	52	6112655		11/16/06 15:38
3/4-Methylphenol		0.132		mg/L	0.200	66%	4 - 99	6	54	6112655		11/16/06 15:38
Surrogate: Terphenyl-d14		0.0720		mg/L	0.100	72%	29 - 149			6112655		11/16/06 15:38
Surrogate: 2,4,6-Tribromophenol		0.0734		mg/L	0.100	73%	40 - 161			6112655		11/16/06 15:38
Surrogate: Phenol-d5		0.0364		mg/L	0.100	36%	11 - 76			6112655		11/16/06 15:38
Surrogate: 2-Fluorobiphenyl		0.0725		mg/L	0.100	72%	30 - 120			6112655		11/16/06 15:38
Surrogate: 2-Fluorophenol		0.0489		mg/L	0.100	49%	20 - 86			6112655		11/16/06 15:38
Surrogate: Nitrobenzene-d5		0.0656		mg/L	0.100	66%	24 - 125			6112655		11/16/06 15:38

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	Iina Ba, LTD (3130)	Work Order:	NPK1622
	612 E. Murray Drive	Project Name:	Iina Ba, LTD
	Farmington, NM 87401	Project Number:	0611010
Attn	Jeff Engels	Received:	11/10/06 07:50

PROJECT QUALITY CONTROL DATA
Matrix Spike

Analyte	Orig. Val.	MS Val	Q	Units	Spike Conc	% Rec.	Target Range	Batch	Sample Spiked	Analyzed Date/Time
TCLP Metals by 6000/7000 Series Methods										
6112494-MS1										
Mercury	ND	0.0206		mg/L	0.0200	103%	63 - 138	6112494	NPK1319-01	11/14/06 11:27
6112564-MS1										
Arsenic	5.88	16.4		mg/L	10.0	105%	75 - 125	6112564	NPK1319-01	11/13/06 14:11
Barium	0.169	106		mg/L	100	106%	75 - 125	6112564	NPK1319-01	11/13/06 14:11
Cadmium	0.00600	10.1		mg/L	10.0	101%	75 - 125	6112564	NPK1319-01	11/13/06 14:11
Chromium	0.0380	49.0		mg/L	50.0	98%	75 - 125	6112564	NPK1319-01	11/13/06 14:11
Lead	0.00700	50.1		mg/L	50.0	100%	75 - 125	6112564	NPK1319-01	11/13/06 14:11
Selenium	0.0161	10.4		mg/L	10.0	104%	75 - 125	6112564	NPK1319-01	11/13/06 14:11
Silver	0.0340	9.82		mg/L	10.0	98%	75 - 125	6112564	NPK1319-01	11/13/06 14:11
TCLP Chlorinated Herbicides by EPA Method 8151										
6112666-MS1										
2,4-D	ND	0.654		mg/L	1.00	65%	33 - 142	6112666	NPK1299-01	11/15/06 18:18
2,4,5-TP (Silvex)	ND	0.547		mg/L	1.00	55%	32 - 125	6112666	NPK1299-01	11/15/06 18:18
Surrogate: Dichloroacetic Acid		0.876		mg/L	1.00	88%	60 - 150	6112666	NPK1299-01	11/15/06 18:18
TCLP Volatile Organic Compounds by EPA Method 1311/8260B										
6112757-MS1										
Benzene	ND	0.423		mg/L	0.500	85%	58 - 160	6112757	NPK1535-01	11/16/06 04:24
2-Butanone	ND	2.01		mg/L	2.50	80%	58 - 139	6112757	NPK1535-01	11/16/06 04:24
Carbon Tetrachloride	ND	0.416		mg/L	0.500	83%	49 - 182	6112757	NPK1535-01	11/16/06 04:24
Chlorobenzene	ND	0.417		mg/L	0.500	83%	70 - 142	6112757	NPK1535-01	11/16/06 04:24
Chloroform	ND	0.446		mg/L	0.500	89%	52 - 158	6112757	NPK1535-01	11/16/06 04:24
1,2-Dichloroethane	ND	0.424		mg/L	0.500	85%	52 - 153	6112757	NPK1535-01	11/16/06 04:24
1,1-Dichloroethene	ND	0.391		mg/L	0.500	78%	59 - 169	6112757	NPK1535-01	11/16/06 04:24
Tetrachloroethene	ND	0.386		mg/L	0.500	77%	61 - 156	6112757	NPK1535-01	11/16/06 04:24
Trichloroethene	ND	0.393		mg/L	0.500	79%	58 - 165	6112757	NPK1535-01	11/16/06 04:24
Vinyl chloride	ND	0.407		mg/L	0.500	81%	38 - 183	6112757	NPK1535-01	11/16/06 04:24
Surrogate: 1,2-Dichloroethane-d4		46.2		ug/L	50.0	92%	62 - 142	6112757	NPK1535-01	11/16/06 04:24
Surrogate: Dibromofluoromethane		46.1		ug/L	50.0	92%	78 - 123	6112757	NPK1535-01	11/16/06 04:24
Surrogate: Toluene-d8		48.4		ug/L	50.0	97%	79 - 120	6112757	NPK1535-01	11/16/06 04:24
Surrogate: 4-Bromofluorobenzene		47.1		ug/L	50.0	94%	75 - 133	6112757	NPK1535-01	11/16/06 04:24
TCLP Pesticides by EPA Method 1311/8081A										
6112650-MS1										
gamma-BHC (Lindane)	ND	0.00823		mg/L	0.0100	82%	37 - 149	6112650	NPK1534-01	11/14/06 20:26
Endrin	ND	0.00863		mg/L	0.0100	86%	32 - 169	6112650	NPK1534-01	11/14/06 20:26
Heptachlor	ND	0.00853		mg/L	0.0100	85%	28 - 138	6112650	NPK1534-01	11/14/06 20:26

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	Iina Ba, LTD (3130)	Work Order:	NPK1622
	612 E. Murray Drive	Project Name:	Iina Ba, LTD
	Farmington, NM 87401	Project Number:	0611010
Attn	Jeff Engels	Received:	11/10/06 07:50

PROJECT QUALITY CONTROL DATA
Matrix Spike - Cont.

Analyte	Orig. Val.	MS Val	Q	Units	Spike Conc	% Rec.	Target Range	Batch	Sample Spiked	Analyzed Date/Time
TCLP Pesticides by EPA Method 1311/8081A										
6112650-MS1										
Heptachlor epoxide	ND	0.00849		mg/L	0.0100	85%	43 - 140	6112650	NPK1534-01	11/14/06 20:26
Methoxychlor	ND	0.00759		mg/L	0.0100	76%	26 - 151	6112650	NPK1534-01	11/14/06 20:26
Surrogate: Tetrachloro-meta-xylene		0.00247		mg/L	0.00250	99%	46 - 127	6112650	NPK1534-01	11/14/06 20:26
Surrogate: Decachlorobiphenyl		0.00274		mg/L	0.00250	110%	25 - 144	6112650	NPK1534-01	11/14/06 20:26

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	Iina Ba, LTD (3130)	Work Order:	NPK1622
	612 E. Murray Drive	Project Name:	Iina Ba, LTD
	Farmington, NM 87401	Project Number:	0611010
Attn	Jeff Engels	Received:	11/10/06 07:50

PROJECT QUALITY CONTROL DATA

Matrix Spike Dup

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
TCLP Metals by 6000/7000 Series Methods												
6112494-MSD1												
Mercury	ND	0.0200		mg/L	0.0200	100%	63 - 138	3	22	6112494	NPK1319-01	11/14/06 11:29
6112564-MSD1												
Arsenic	5.88	16.0		mg/L	10.0	101%	75 - 125	2	20	6112564	NPK1319-01	11/13/06 14:16
Barium	0.169	103		mg/L	100	103%	75 - 125	3	20	6112564	NPK1319-01	11/13/06 14:16
Cadmium	0.00600	9.97		mg/L	10.0	100%	75 - 125	1	20	6112564	NPK1319-01	11/13/06 14:16
Chromium	0.0380	48.1		mg/L	50.0	96%	75 - 125	2	20	6112564	NPK1319-01	11/13/06 14:16
Lead	0.00700	49.2		mg/L	50.0	98%	75 - 125	2	20	6112564	NPK1319-01	11/13/06 14:16
Selenium	0.0161	10.2		mg/L	10.0	102%	75 - 125	2	20	6112564	NPK1319-01	11/13/06 14:16
Silver	0.0340	9.55		mg/L	10.0	95%	75 - 125	3	20	6112564	NPK1319-01	11/13/06 14:16
TCLP Chlorinated Herbicides by EPA Method 8151												
6112666-MSD1												
2,4-D	ND	0.672		mg/L	1.00	67%	33 - 142	3	48	6112666	NPK1299-01	11/15/06 18:30
2,4,5-TP (Silvex)	ND	0.538		mg/L	1.00	54%	32 - 125	2	39	6112666	NPK1299-01	11/15/06 18:30
Surrogate: Dichloroacetic Acid		0.740		mg/L	1.00	74%	60 - 150			6112666	NPK1299-01	11/15/06 18:30
TCLP Volatile Organic Compounds by EPA Method 1311/8260B												
6112757-MSD1												
Benzene	ND	0.478		mg/L	0.500	96%	58 - 160	12	33	6112757	NPK1535-01	11/16/06 04:49
2-Butanone	ND	2.25		mg/L	2.50	90%	58 - 139	11	24	6112757	NPK1535-01	11/16/06 04:49
Carbon Tetrachloride	ND	0.541		mg/L	0.500	108%	49 - 182	26	44	6112757	NPK1535-01	11/16/06 04:49
Chlorobenzene	ND	0.490		mg/L	0.500	98%	70 - 142	16	36	6112757	NPK1535-01	11/16/06 04:49
Chloroform	ND	0.487		mg/L	0.500	97%	52 - 158	9	29	6112757	NPK1535-01	11/16/06 04:49
1,2-Dichloroethane	ND	0.468		mg/L	0.500	94%	52 - 153	10	28	6112757	NPK1535-01	11/16/06 04:49
1,1-Dichloroethene	ND	0.467		mg/L	0.500	93%	59 - 169	18	38	6112757	NPK1535-01	11/16/06 04:49
Tetrachloroethene	ND	0.500		mg/L	0.500	100%	61 - 156	26	43	6112757	NPK1535-01	11/16/06 04:49
Trichloroethene	ND	0.485		mg/L	0.500	97%	58 - 165	21	39	6112757	NPK1535-01	11/16/06 04:49
Vinyl chloride	ND	0.467		mg/L	0.500	93%	38 - 183	14	34	6112757	NPK1535-01	11/16/06 04:49
Surrogate: 1,2-Dichloroethane-d4		48.7		ug/L	50.0	97%	62 - 142			6112757	NPK1535-01	11/16/06 04:49
Surrogate: Dibromofluoromethane		47.5		ug/L	50.0	95%	78 - 123			6112757	NPK1535-01	11/16/06 04:49
Surrogate: Toluene-d8		47.7		ug/L	50.0	95%	79 - 120			6112757	NPK1535-01	11/16/06 04:49
Surrogate: 4-Bromofluorobenzene		48.8		ug/L	50.0	98%	75 - 133			6112757	NPK1535-01	11/16/06 04:49
TCLP Pesticides by EPA Method 1311/8081A												
6112650-MSD1												
gamma-BHC (Lindane)	ND	0.00808		mg/L	0.0100	81%	37 - 149	2	33	6112650	NPK1534-01	11/14/06 20:41
Endrin	ND	0.00846		mg/L	0.0100	85%	32 - 169	2	29	6112650	NPK1534-01	11/14/06 20:41
Heptachlor	ND	0.00826		mg/L	0.0100	83%	28 - 138	3	38	6112650	NPK1534-01	11/14/06 20:41
Heptachlor epoxide	ND	0.00829		mg/L	0.0100	83%	43 - 140	2	23	6112650	NPK1534-01	11/14/06 20:41
Methoxychlor	ND	0.00719		mg/L	0.0100	72%	26 - 151	5	27	6112650	NPK1534-01	11/14/06 20:41

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	Iina Ba, LTD (3130)	Work Order:	NPK1622
	612 E. Murray Drive	Project Name:	Iina Ba, LTD
	Farmington, NM 87401	Project Number:	0611010
Attn	Jeff Engels	Received:	11/10/06 07:50

PROJECT QUALITY CONTROL DATA

Matrix Spike Dup - Cont.

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
TCLP Pesticides by EPA Method 1311/8081A												
6112650-MSD1												
Surrogate: Tetrachloro-meta-xylene		0.00262		mg/L	0.00250	105%	46 - 127			6112650	NPK1534-01	11/14/06 20:41
Surrogate: Decachlorobiphenyl		0.00278		mg/L	0.00250	111%	25 - 144			6112650	NPK1534-01	11/14/06 20:41

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	Iina Ba, LTD (3130)	Work Order:	NPK1622
	612 E. Murray Drive	Project Name:	Iina Ba, LTD
	Farmington, NM 87401	Project Number:	0611010
Attn	Jeff Engels	Received:	11/10/06 07:50

TCLP REGULATORY LIMITS

Analyte	Regulatory Limit
1,1-Dichloroethene	0.7
1,2-Dichloroethane	0.5
1,4-Dichlorobenzene	7.5
2,4,5-TP (Silvex)	1
2,4,5-Trichlorophenol	2
2,4,6-Trichlorophenol	400
2,4-D	10
2,4-Dinitrotoluene	0.13
2-Butanone	200
Arsenic	5
Barium	100
Benzene	0.5
Cadmium	1
Carbon Tetrachloride	0.5
Chlordane	0.03
Chlorobenzene	100
Chloroform	6
Chromium	5
Cresol(s)	200
Endrin	0.02
gamma-BHC (Lindane)	0.4
Heptachlor	0.008
Heptachlor epoxide	0.008
Hexachlorobenzene	0.13
Hexachlorobutadiene	0.5
Hexachloroethane	3
Lead	5
Mercury	0.2
Methoxychlor	10
Nitrobenzene	2
Pentachlorophenol	100
Pyridine	5
Selenium	1
Silver	5
Tetrachloroethene	0.7
Toxaphene	0.5
Trichloroethene	0.5
Vinyl chloride	0.2

TestAmerica
ANALYTICAL TESTING CORPORATION
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	Iina Ba, LTD (3130)	Work Order:	NPK1622
	612 E. Murray Drive	Project Name:	Iina Ba, LTD
	Farmington, NM 87401	Project Number:	0611010
Attn	Jeff Engels	Received:	11/10/06 07:50

DATA QUALIFIERS AND DEFINITIONS

R	The RPD exceeded the method control limit. The individual analyte QA/QC recoveries, however, were within acceptance limits.
Z5	Due to sample matrix effects, the surrogate recovery was outside acceptance limits. Secondary surrogate recovery was within the acceptance limits.

METHOD MODIFICATION NOTES

TestAmerica
ANALYTICAL TESTING CORPORATION

Nashville Division

COOLER RECEIPT FORM **BC#** NPK1622

Cooler Received/Opened On: 11/10/06@7:50

1. Indicate the Airbill Tracking Number (last 4 digits for Fedex only) and Name of Courier below: 2740

Fed-Ex

Temperature of representative sample or temperature blank when opened: 5.2 **Degrees Celsius**

(indicate IR Gun ID#)

92171982

3. Were custody seals on outside of cooler?..... YES...NO...NA

a. If yes, how many and where: 1 Front

4. Were the seals intact, signed, and dated correctly?..... YES...NO...NA

5. Were custody papers inside cooler?..... YES...NO...NA

I certify that I opened the cooler and answered questions 1-5 (initial)..... C

6. Were custody seals on containers: YES NO and Intact YES NO NA

were these signed, and dated correctly?..... YES...NO...NA

7. What kind of ~~packing~~ material used? Bubblewrap Peanuts Vermiculite Foam Insert Plastic bag Paper Other_____ None

8. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

9. Did all containers arrive in good condition (unbroken)?..... YES...NO...NA

10. Were all container labels complete (#, date, signed, pres., etc)?..... YES...NO...NA

11. Did all container labels and tags agree with custody papers?..... YES...NO...NA

12. a. Were VOA vials received?..... YES...NO...NA

b. Was there any observable head space present in any VOA vial?..... YES...NO...NA

I certify that I unloaded the cooler and answered questions 6-12 (intial)..... MV

13. a. On preserved bottles did the pH test strips suggest that preservation reached the correct pH level? YES...NO...NA

b. Did the bottle labels indicate that the correct preservatives were used..... YES...NO...NA

If preservation in-house was needed, record standard ID of preservative used here_____

14. Was residual chlorine present?..... YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 13-14 (intial)..... JC

15. Were custody papers properly filled out (ink, signed, etc)?..... YES...NO...NA

16. Did you sign the custody papers in the appropriate place?..... YES...NO...NA

17. Were correct containers used for the analysis requested?..... YES...NO...NA

18. Was sufficient amount of sample sent in each container?..... YES...NO...NA

I certify that I entered this project into LIMS and answered questions 15-18 (intial)..... JR

I certify that I attached a label with the unique LIMS number to each container (intial)..... JR

19. Were there Non-Conformance issues at login YES NO Was a PIPE generated YES NO #_____

BIS = Broken in shipment

iiná bá
612 E. Murray Drive
Farmington, NM 87401
(505) 327-1072

CHAIN-OF-CUSTODY RECORD

Subcontractor:

Test America, Inc.
2960 Foster Creighton Drive
Nashville, TN 372040566

TEL: (800) 765-0980
FAX: (615) 726-3404

Acct #: 3130SP

NPK1622

11/20/06 23:59

09-Nov-06

Sample ID	Matrix	Collection Date	Bottle Type	Requested Tests						
				SW1311	SW1311/6010B	SW1311/8081A	SW1311/8150	SW1311/8260B	SW1311/8270C	SW7470
			NPK 1622							
0611010-001A	If A Multiple Pha	11/8/2006 9:10:00 AM	1LAMGU	1	1	1	1	1	1	1

Comments: Please analyze one (1) sample for TCLP metals (6010B/7470), Pesticides/Herbicides, Volatiles, and Semi-volatiles. Thank you.

		Date/Time			Date/Time
Relinquished by:	Tabitha Cromley	11/9/06 16:10	**Received by:**		11/10/06 7:50 5.2°C
Relinquished by:			**Received by:**		

Iiná bá (for life's sake)

612 E. Murray Dr. • P.O. Box 2606 • Farmington, NM 87499
Phone: (505) 327-1072 • Fax: (505) 327-1496

CHAIN OF CUSTODY RECORD

5571

Date 11/8/06 Page 1 of 1

REPORT RESULTS TO:

Report to: J. HAGSTROM
Company: SMA
Address: 612 E. MURRAY DR.
City: FARMINGTON, NM
Phone: Fax: Email:

SEND INVOICE TO:

PO No.: Job No.:
Name:
Company:
Address:
City:

Turnaround Time: 10 days (normal) X; 24-48 hours (100%) ___; 3-5 days (50%) ___

Sample Integrity: Intact X; On Ice X; 12°C

Subcontract: Yes X; No ___

Sampling Location: BASIN DISPOSAL

Sample Identification	Sample Date	Sample Time	Matrix	Pres.	Number of Containers	Analysis Requested: TCLP								Lab ID
OIL/H2O OVERFLOW PIT	11/8/06	0910	H2O	COOL	4									0611010-001

Relinquished by: [signature]	Date/Time: 11/8/06 1045	Received by: [signature]	Date/Time: 11/8/06 10:45
Relinquished by:	Date/Time:	Received by:	Date/Time:
Relinquished by:	Date/Time:	Received by:	Date/Time:

Comments:

Main pond 18inches from freeboard looking SE.

60 day temporary pit Number 3 with four new receiving tanks.

Main pond 18inches from freeboard looking NE

60 day temporary pit Number 3

Produced water unloading area.

60 day temporary pit Number 3 behind the four new receiving tanks. Pit Number 2 at left edge of photo.

60 day temporary pit Number 2.

60 day temporary pit Number 2 with four new receiving tanks.

Main pond 18inches from freeboard looking SE.

Main pond 18inches from freeboard looking NE

Produced water unloading area.

60 day temporary pit Number 3 with four new receiving tanks.

60 day temporary pit Number 3

60 day temporary pit Number 3 behind the four new receiving tanks. Pit Number 2 at left edge of photo.

60 day temporary pit Number 2.

60 day temporary pit Number 2 with four new receiving tanks.

March 2, 2001

Water Disposal Observations and Data

Key Energy Services Disposal
E-02-29N-12W
Key is currently injecting 2890 barrels per day while operating their injection pump at 2100 psi average for 17 hours of operation six days per week with 10 hours on Sunday. This is the maximum pressure they care to utilize although their maximum injection pressure permitted is 2850 psi. For 28 operating days their capacity is 76,160 barrels which could be as much as 84,830 barrels for a 31 day month. Remember Key has some flexibility because they do have a pass through pond enabling them to take more than 2890 barrels on a given day. Daily capacity is approximately 36 loads at 80 barrels per load. They have taken as many as 60 loads in a given day. Elm Ridge is there largest customer with majority of that water coming from Colorado, Marathon is their second largest customer. Potential to increase capacity by a third by staying open 24hrs. Key limits disposal to water transported by their own trucks unless some special arrangement is made.

Basin Disposal
F-03-29N-11W
Maximum injection pressure 1875 psi, currently at 1620 psi injecting 7,000 barrels per 24 hours operation. Facility operates 24hours seven days per week. New pump configuration has a projected have a capacity of 10,000 barrels at 1780 psi. The current/immediate past capacity has been 210,000 barrels per month or 87 loads per day at 80 barrels. New projected capacity will be 300,000 barrels per month or 125 loads per day at 80 barrels. Four largest customers are Cross Timbers, Amoco, Burlington and Conoco.

Hicks Oil and Gas
O-15-28N-13W
Hicks Oil and Gas accepts about 10,000 barrels per month for this well, 2,650 barrels generated in the filed by Hicks and an additional 7,400 barrels from customers of C&J Trucking.

T-n-T Environmental aka Construction
L-08-25N-03W
This is the fourth recognized facility accepting water on a commercial basis in District III, T-n-T is strictly pond evaporation and is effectively limited to 20,000 barrels per month but may accept up to 25,000 barrels on a given month.

Burlington Resources
Burlington has nine operating SWD wells in District III, all conventional production pit water is transported to the McGrath #4, I-34-30N-12W, with the exception of the Ute #1 Disposal located on the Ute Mountain Ute Reservation. Burlington has capacity in some of their other seven SWD wells and is currently evaluating setting up another well to accept conventional production pit water, they realize their vulnerability to the trouble free operation of the McGrath #4.

Phillips Petroleum
Phillips currently has insufficient injection capacity in the Pump Mesa area, 32-8 unit and they lack capacity in the Middle (Burnt) Mesa area, 32-7 unit. Phillips does excess capacity in the 29-6 and 30-6 areas. Currently they are evaluating their options at these SWD wells, can they justify offering the capacity to some other operator and under what conditions.

Amoco Production
Amoco currently operates 7 SWD wells and two evaporation ponds in District III. The two evaporation ponds located at Cedar Hill have limited capacity and are probably marginal economic operations. Five of the SWD wells are in the GCU Unit, four of which are old wells. Two deep injection wells in the Bluff-

Entrada sequence are in use in 30-9 and 31-9 (Horse Canyon & Pump Canyon). According to Buddy Shaw Amoco is looking at some options in the Largo Canyon area.

Cross Timbers Operating Company
Cross Timbers local personnel are pushing for their own injection well, recognizing sending 1500 barrels per day to Basin will eventually lead to production problems over which they will have no control or relief.

Conoco
Conoco personnel have approached Denny Foust at different times within the last year wanting information on establishing an injection well in the 27-8 area.

KEY ENERGY DISPOSAL
P.O. BOX 900
FARMINGTON, N.M. 87499

MONTHLY INJECTION WELL REPORT

PERIOD 2000	INJECTION PRESSURES			FLOW RATES			'FLOW VOLUMES / DAY			'ANNULAR PRESSURES			CLASS 1 NON-HAZ
	MAX (PSI)	MIN (PSI)	AVG (PSI)	MAX (bbls)	MIN (bbls)	AVG (bbls)	MONTH(bbls)	'YTD (bbls)	LIFE OF WELL	MAX (PSI)	MIN (PSI)	AVG (PSI)	VOLUMES IN BARRELS
JAN	2100	1860	1980	3,050	987	2,467	76,491	76,491	4,145,197	0	0	0	6,160
FEB	2080	1860	1970	2,935	1,044	2,202	63,868	140,359	4,209,065	0	0	0	7,840
MAR	2130	1860	1995	2,847	1,005	2,214	68,633	208,992	4,277,698	0	0	0	11,520
APR	2160	1720	2040	3,040	1,219	2,416	72,468	281,460	4,350,016	0	0	0	10,400
MAY	2160	1860	2040	2,487	0	1,467	45,466	326,926	4,395,482	0	0	0	6,480
JUN	2160	1860	2040	2,942	741	2,077	62,298	389,224	4,457,780	0	0	0	2,520
JUL	2160	1860	2040	2,960	1,368	1,857	57,561	446,785	4,515,341	0	0	0	480
AUG	2160	1860	2040	2,749	1,055	1,936	60,028	500,81	4,575,369	0	0	0	2,520
SEP	2180	1920	2050	2,890	700	1,902	57,064	557,877	4,632,433	0	0	0	1,200
OCT	2180	1920	2050	3,058	1,457	2,357	73,069	630,946	4,705,502	0	0	0	6,640
NOV	2180	1920	2050	3,076	0	2,150	62,366	693,312	4,767,862	0	0	0	3,720
DEC	2180	1920	2050	3,159	0	2,661	79,857	773,169	4,847,719	0	0	0	6,320

CERTIFICATION Michael T. Hanson DATE 1-24-2001

BASIN DISPOSAL, INC.
"SPECIALIZING IN DISPOSAL OF PRODUCED WATER AND DRILLING MUD"
P. O. BOX 100 • AZTEC, NEW MEXICO 87410 • PHONE: (505) 334-3013

DENNY FOUST
1000 RIO BRAZOS
AZTEC, NM 87410

HERE ARE THOSE MONTHLY TOTALS YOU ASKED FOR.

2000	BARRELS	2001	BARRELS
JAN	194,500	JAN	285,242
FEB	181,890	FEB	256,546
MAR	201,520		
APR	211,650		
MAY	215,415		
JUN	215, 991		
JUL	221,971		
AUG	208,237		
SEPT	209,544		
OCT	224,406		
NOV	248,874		
DEC	252,140		
TOTAL	**2,586,138**		**541,788**

OUR FOUR LARGEST CUSTOMERS ARE CROSS TIMBERS, BP, BURLINGTON AND CONOCO. OUR PAST INJECTION CAPACITY HAS BEEN NEARLY 7,000 BARRELS PER DAY, FOR A 30 DAY MONTH WE ARE ABLE TO INJECT ABOUT 208,500 BARRELS. WE ARE PROJECTING THAT WITH OUR NEW SETUP WE CAN INJECT UP TO 10,000 BARRELS PER DAY WHICH WOULD CHANGE OUR MONTHLY TOTAL TO ABOUT 300,000.

BASIN DISPOSAL, INC.

"SPECIALIZING IN DISPOSAL OF PRODUCED WATER AND DRILLING MUD"

P. O. BOX 100 • AZTEC, NEW MEXICO 87410 • PHONE: (505) 334-3013

RECEIVED

APR 15 2002

Environmental Bureau
Oil Conservation Division

April 8, 2002

Martyne Kieling
NMOCD
1220 S. Saint Francis Drive
Santa Fe, NM 87505

RE: Permit Deficiencies noted from March 5, 2002 inspection. Permit NM-01-005
SE/4 NW/4 of Section 3, Township 29 North, Range 11 West, NMPM,
San Juan County, NM

Dear Martyne,

This letter is to inform you of the correction that we have made due to an improper berming and labeling of a container of bleach. We have discontinued using it and have emptied and removed the container from our treating process. If we find that we need it in the future then we will label, berm and line its storage area.

If you have any questions please contact me at (505) 325-6336.

Sincerely,

Keith Johnson
General Manager

cc: Aztec OCD Office
Jerry Sandel, President

BASIN DISPOSAL, INC.
"SPECIALIZING IN DISPOSAL OF PRODUCED WATER AND DRILLING MUD"
P. O. BOX 100 • AZTEC, NEW MEXICO 87410 • PHONE: (505) 334-3013

April 1, 2002

NMOCD
Martyne Kieling
PO Box 6429
Santa Fe, NM 87504

Dear Martyne,

I am writing to inform you of a change in our facility. We are building a new office building to replace the mobile office that we are using at this time. It will be 40 feet x 60 feet and will be built on the hill behind the current office. We will also be hooking it up to the City of Bloomfield's sewer line. We also plan on running a natural gas line to our heating tanks. As soon as I know where we are moving the fuel storage tanks I will draw a new facility map and send it to you. If you have any questions please call me at 325-6336.

Sincerely,

Keith Johnson
General Manager

cc Denny Foust

BASIN DISPOSAL, INC.

"SPECIALIZING IN DISPOSAL OF PRODUCED WATER AND DRILLING MUD"

P. O. BOX 100 • AZTEC, NEW MEXICO 87410 • PHONE: (505) 334-3013

February 12 , 2002

Martyne Kieling
NMOCD
PO Box 6429
Santa Fe, NM 87504

RE: Surface Waste Management Facility Inspection Report: Permit NM-01-0005

Dear Martyne,

Thank you for the follow up letter regarding our permit deficiencies during your last inspection. Shortly after your visit we had these areas all taken care of. Item # 1 - we have replaced the berming which had been removed while we were moving out one of those tanks. Item #2 - we have placed a liner underneath the sump and leak detection has also been installed. Item #3 -Any soil that had spilled over the berm has been cleaned up and the piles were moved at least 3 feet away from the berm. We look forward to your next visit this coming summer. If there is any other information that you need please call me.

Sincerely,

Keith Johnson
General Manager

cc: Denny Foust

NEW MEXICO ENERGY, MINERALS and NATURAL RESOURCES DEPARTMENT

GARY E. JOHNSON
Governor
Carol Leach
Acting Cabinet Secretary

Lori Wrotenbery
Director
Oil Conservation Division

January 29, 2002

CERTIFIED MAIL
RETURN RECEIPT NO. 7099-3220-0000-5051-2894

Mr. Jerry Sandel
Basin Disposal, Inc.
P.O. Box 100
Aztec, New Mexico 87401

RE: Surface Waste Management Facility Inspection Report: Permit NM-01-0005
Basin Disposal, Inc.
Commercial Surface Waste Management Facility
SE/4 NW/4 of Section 3, Township 29 North, Range 11 West, NMPM,
San Juan County, New Mexico

Dear Mr. Sandel:

The New Mexico Oil Conservation Division (OCD) inspected Basin Disposal, Inc. (Basin) on May 29, 2001. The OCD found the facility to be well maintained and have good security. A records check was performed and all documentation was in order. A review of Basin's financial assurance finds that Basin's $140,000 Letter of Credit No. 2216 is current and active. An additional $10,000 surety bond for the temporary produced water storage pits is also on file.

At the time of the inspection The OCD found the temporary produced water storage pits 2 and 3 to be closed in accordance with the OCD approval letter dated March 7 2001 and Basin's letter dated May 17, 2001. The OCD hereby approves the closure of the temporary produced water storage pits 2 and 3.

In addition the OCD identified the following permit deficiencies during the inspection that require attention:

1. Berming around the oil storage tanks and along the southern edge of the produced water tanks was missing, eroded or had been removed and not replaced.

Permit NM-01-0005, Page 2, Facility and Evaporation Pond Operation,

5. All existing above-ground tanks located at the facility and containing materials other than fresh water must be bermed to contain one and one-third the volume of the largest tank or all interconnected tanks, whichever is greater. All above-ground tanks must be labeled as to contents and hazards.

Permit NM-01-0005, Page 3, Facility and Evaporation Pond Operation,

6. All new or replacement above-ground tanks containing materials other than fresh water must be placed on an impermeable pad and be bermed so that the area will hold one and one-third the volume of the largest tank or all interconnected tanks, whichever is greater.

2. The sump on the north side of the pump house is new from the last inspection performed in May 2000 and did not have a secondary liner or leak detection. This sump should be checked often and emptied, especially after rainstorms because it is located below the eve of the pump house and can potentially catch large volumes of rainwater from the roof of the building.

Permit NM-01-0005, Page 3, Facility and Evaporation Pond Operation,

7. Below-grade sumps must be cleaned and visually inspected annually. Results must be recorded and maintained for OCD review. If sump integrity has failed the OCD must be notified within 48 hours of discovery and the sump contents and contaminated soil must be removed and disposed of at an OCD-approved facility. Soil remediation must follow OCD surface impoundment closure guidelines. Basin Disposal must submit a report to the OCD Santa Fe and appropriate District offices that describes the investigation and remedial actions taken.

8. All new or replacement below-grade sumps and below-grade tanks at the facility must have secondary impermeable containment with a leak detection monitoring system. Monitoring of the secondary containment system must be inspected for fluids weekly. Results must be recorded and maintained for OCD review. If fluids are present they must be checked and the analyses must be furnished to the OCD Santa Fe and appropriate District offices.

3. The temporary soil storage area had contaminated soil spilled outside of the lined and bermed area.

Permit NM-01-0005, Page 1, Temporary Soil Storage Area Operation,

3. Stored soil must be kept three (3) feet from the base of the berm to ensure that the contaminated soils are located above the lined area.

Basin shall provide OCD with a detailed description of how the corrections will be made and a timetable of when each of the corrections will be completed. Basin must respond to the permit deficiencies by March 4, 2002.

If you have any questions please contact me at (505) 476-3488

Sincerely,

Martyne J. Kieling
Environmental Geologist

xc with Attachments: Aztec OCD Office

BASIN DISPOSAL, INC.

"SPECIALIZING IN DISPOSAL OF PRODUCED WATER AND DRILLING MUD"

P. O. BOX 100 • AZTEC, NEW MEXICO 87410 • PHONE: (505) 334-3013

AUG 24 2000

August 21, 2000

NMOCD
Martyne Kieling
2040 S. Pacheco
Santa Fe, NM 87505

re: Basins response to items that were deficient at our last inspection

Dear Martyne,

I am enclosing a copy of the leak detection inspections (item #10) that we are conducting and also a copy of the record of dirt hauled to the land farm (item #20). We are back on track as to both of these items. Item #14 regarding netting for our open tanks, we do have screens on each of those tanks, I can send pictures if necessary. I believe that this address each of your concerns. If you have any questions please call me at 326-6336 or 320-2840.

Sincerely,

Keith Johnson
General Manager

cc: Denny Foust
Jerry Sandel

BASIN DISPOSAL
POND AND SUMP INSPECTION AND TESTING
EXHIBIT A

EVERY 2 WEEKS CLEAN OUT LEAK DETECTION AND TEST FLUID TO SEE IF IT IS COMPARABLE TO THE POND. IF IT IS THEN NOTIFY SUPERVISOR. PLEASE INITIAL AFTER TEST. CHECK LEAK DETECTION ON CONCRETE SLAB.				
	POND	**SLAB**		
1-Aug-00	NOT THE SAME	CLEAN		
15-Aug-00	N/C			
29-Aug-00				
12-Sep-00				
26-Sep-00				
10-Oct-00				
24-Oct-00				
7-Nov-00				
21-Nov-00				
5-Dec-00				
19-Dec-00				
2-Jan-01				
16-Jan-01				
30-Jan-01				
13-Feb-01				
27-Feb-01				
13-Mar-01				
27-Mar-01				
10-Apr-01				
24-Apr-01				
8-May-01				
22-May-01				
5-Jun-01				
19-Jun-01				
3-Jul-01				
17-Jul-01				
31-Jul-01				
14-Aug-01				
28-Aug-01				
11-Sep-01				
25-Sep-01				
9-Oct-01				
23-Oct-01				
6-Nov-01				
20-Nov-01				
4-Dec-01				
18-Dec-01				
1-Jan-02				
15-Jan-02				
29-Jan-02				
12-Feb-02				

YARDS OF DIRT HAULED TO TIERRA LAND FARM MONTHLY

	YARDS
Jan-00	160
Feb-00	
Mar-00	
Apr-00	1874
May-00	
Jun-00	
Jul-00	
Aug-00	40
Sep-00	
Oct-00	
Nov-00	
Dec-00	
Jan-01	
Feb-01	
Mar-01	
Apr-01	
May-01	
Jun-01	
Jul-01	
Aug-01	
Sep-01	
Oct-01	
Nov-01	
Dec-01	
Jan-02	
Feb-02	
Mar-02	
Apr-02	
May-02	
Jun-02	
Jul-02	
Aug-02	
Sep-02	
Oct-02	
Nov-02	
Dec-02	

District I - (505) 393-6161
P. O. Box 1980
Hobbs, NM 88241-1980
District II - (505) 748-1283
811 S. First
Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Road
Aztec, NM 87410
District IV - (505) 827-7131

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

Form C-137
Originated 8/8/95
Revised 6/25/99

Submit Original
Plus 1 Copy
to Santa Fe
1 Copy to appropriate
District Office

APPLICATION FOR WASTE MANAGEMENT FACILITY

(Refer to the OCD Guidelines for assistance in completing the application)

☒ Commercial ☐ Centralized

1. Type: ☐ Evaporation ☒ Injection ☐ Other _____
   ☐ Solids/Landfarm ☐ Treating Plant
2. Operator: Basin Disposal
   Address: 5 CR 5046
   Contact Person: Keith Johnson Phone: 325-6336
3. Location: SE /4 NW /4 Section 3 Township 29 Range 11 West
   Submit large scale topographic map showing exact location
4. Is this a modification of an existing facility? ☒ Yes ☐ No
5. Attach the name and address of the landowner of the facility site and landowners of record within one mile of the site.
6. Attach description of the facility with a diagram indicating location of fences, pits, dikes, and tanks on the facility.
7. Attach designs prepared in accordance with Division guidelines for the construction/installation of the following: pits or ponds, leak-detection systems, aerations systems, enhanced evaporation (spray) systems, waste treating systems, security systems, and landfarm facilities.
8. Attach a contingency plan for reporting and clean-up for spills or releases.
9. Attach a routine inspection and maintenance plan to ensure permit compliance.
10. Attach a closure plan.
11. Attach geological/hydrological evidence demonstrating that disposal of oil field wastes will not adversely impact groundwater. Depth to and quality of ground water must be included.
12. Attach proof that the notice requirements of OCD Rule 711 have been met.
13. Attach a contingency plan in the event of a release of H_2S.
14. Attach such other information as necessary to demonstrate compliance with any other OCD rules, regulations and orders.
15. CERTIFICATION

I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.

Name: Keith Johnson Title: General Manager

Signature: [signature] Date: 8-15-00

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"SPECIALIZING IN DISPOSAL OF PRODUCED WATER AND DRILLING MUD"
P. O. BOX 100 • AZTEC, NEW MEXICO 87410 • PHONE: (505) 334-3013

August 15, 2000

NMOCD
Martyne Kieling
2040 S. Pacheco
Santa Fe, NM 87505

RE: Modification to flow diagram

Dear Martyne,

I would like to request a modification to our plant. Conoco's San Juan Gas Plant is proposing building a pipeline from their facility to ours so they can eliminate their trucking expenses. I have enclosed a drawing of our plant labeled Exhibit F, this line enters our gate at the eastern side of our fence it passes to the east of the injection well and goes into tank # 20 at the east end of the pond. This is a 100 barrel tank which will empty into the pond and includes a berm and liner. If you have any questions please call me at 325-6336 or my cell phone 320-2840. Thank you again.

Sincerely,

Keith Johnson
General Manager

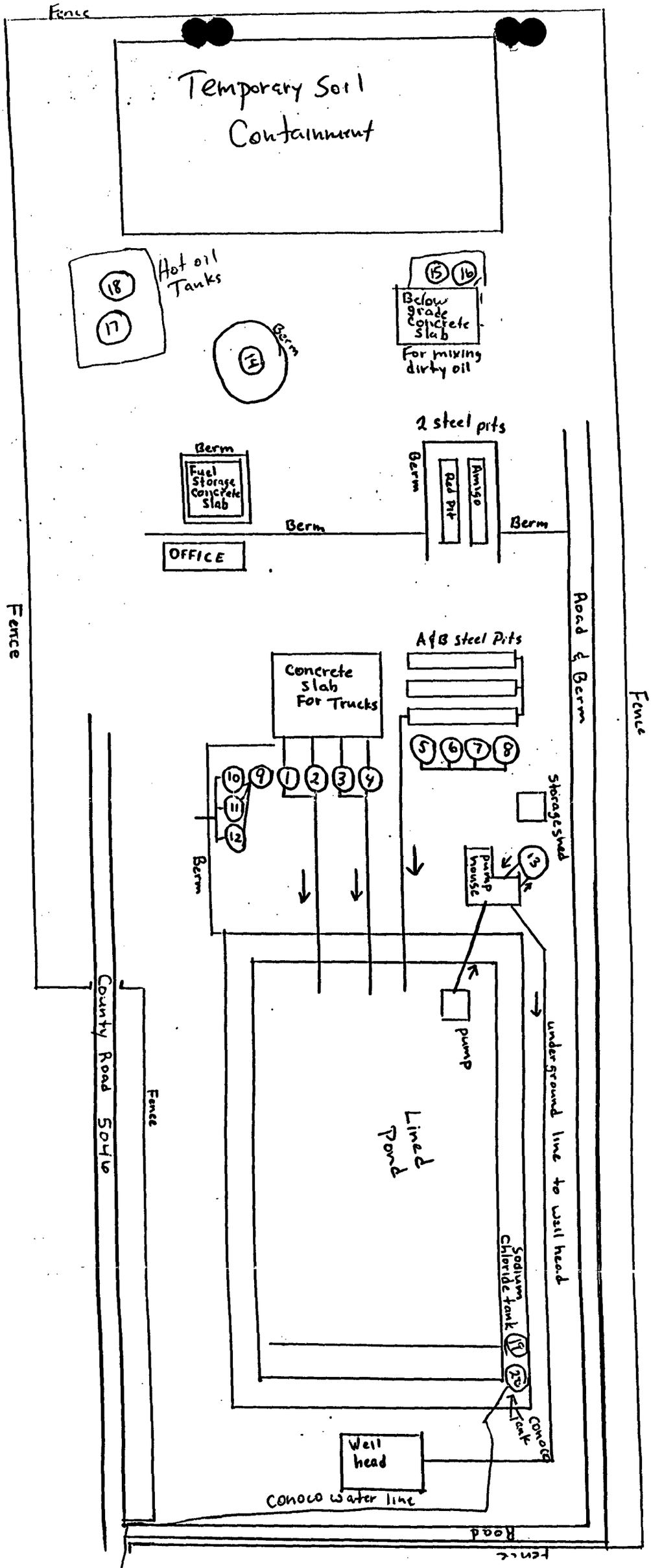

Exhibit F

N
W
E
S