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

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-141
Revised October 10, 2003

Submit 2 Copies to appropriate District Office in accordance with Rule 116 on back side of form

Release Notification and Corrective Action

30-039-20674

OPERATOR

☐ Initial Report ☒ Final Report

Name of Company **Burlington Resources, a Wholly Owned Subsidiary of ConocoPhillips Company**		Contact **Kelsi Gurvitz**	
Address **3401 E. 30th St., Farmington, NM 87402**		Telephone No. **505-599-3403**	
Facility Name **San Juan 28-4 Unit #36**		Facility Type **Gas Well**	API# **3003920674**
Surface Owner **Forest**	Mineral Owner **Federal**		Lease No. **NMNM-03863**

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
N	**29**	**T28N**	**R04W**	**700'**	**South**	**1470'**	**West**	**Rio Arriba**

Latitude 36.62575° N **Longitude** 107.27723° W

NATURE OF RELEASE

Type of Release – **Production Tank Leak**	Volume of Release – **33.7 BBL Produced Water**	Volume Recovered – **0 BBL**
Source of Release: **Production Tank**	Date and Hour of Occurrence **unknown**	Date and Hour of Discovery **3/29/10 9:00 a.m.**
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? **Brandon Powell (NMOCD)- verbal and email Mark Catron (Forest)- verbal and email**	
By Whom?	Date and Hour – **3/30/10 1:30 p.m.**	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.* **On March 29, 2010, it was discovered that there was a hole in the production tank due to corrosion. Upon discovery, the well was shut-in.**

Describe Area Affected and Cleanup Action Taken.* **All fluid remained within the berm and none was recovered. Excavation and confirmation sampling occurred. Analytical results were below the regulatory standards set forth in the NMOCD Guidelines for Remediation of Leaks, Spills and Releases; therefore no further action is needed.**

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Signature: Kelsi Gurvitz	OIL CONSERVATION DIVISION	
Printed Name: **Kelsi Gurvitz**	Approved by District Supervisor: Brandon Powell - Kelly	
Title: **Environmental Consultant**	Approval Date: 12/06/2011	Expiration Date:
E-mail Address: **kelsi.m.gurvitz@conocophillips.com**	Conditions of Approval:	Attached ☐
Date: **12/1/10** Phone: **505-599-3403**		

* Attach Additional Sheets If Necessary

nJK1134040118

RECEIVED
JAN 2011
OIL CONS. DIV. DIST. 3

envirotech

July 14, 2010

Project No. 92115-1325

Ms. Kelsi Gurvitz
ConocoPhillips
3401 East 30th Street
Farmington, New Mexico 87401

Phone: (505) 599-3403
Fax: (505) 599-4005

RE: CONFIRMATION SAMPLING DOCUMENTATION FOR THE SAN JUAN 28-4 #36 (HBR) WELL SITE, SAN JUAN COUNTY, NEW MEXICO

Dear Ms. Gurvitz;

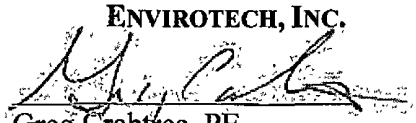
Enclosed please find the field notes and analytical results for spill assessment and confirmation sampling activities performed at the San Juan 28-4 #36 (hBr) well site located in Section 29, Township 28N, Range 4W, San Juan County, New Mexico. Prior to Envirotech's arrival, the area of release had been excavated to approximately 33' x 30' x 20' deep. Upon Envirotech's arrival, a brief site assessment was conducted. Because distance to surface water was between 200 and 1000 feet from the well site, the cleanup standard for the site was determined to be 1000 ppm TPH and 100 ppm organic vapors, pursuant to New Mexico Oil Conservation (NMOCD) Guidelines for Remediation of Leaks, Spills, and Releases.

Five (5) samples were collected from the excavation. One (1) composite sample was collected from each of the four (4) walls and one (1) composite sample was collected from the bottom. The samples were analyzed in the field for total petroleum hydrocarbons (TPH) using USEPA Method 418.1 and for organic vapors using a Photo Ionization Detector (PID). All of the samples collected from the walls and bottom returned results below the 1000 ppm limit for TPH. The two (2) samples collected from the east and north wall were non-detect for organic vapors; however, remaining samples were above the 100 ppm limit for organic vapors. The samples from the bottom, and the south, and west walls were placed into four (4) ounce glass jars, capped head space free, and transported on ice under chain of custody to Envirotech's laboratory to be analyzed for benzene and BTEX using USEPA Method 8021 The sample returned results below the regulatory limits of 10 ppm benzene, 50 ppm BTEX; therefore no further excavation is required. Envirotech Incorporated recommends no further action in regards to this incident.

We appreciate the opportunity to be of service. If you have questions or require additional information, please contact our office at 505-632-0615.

Respectfully submitted,

ENVIROTECH, INC.



Greg Crabtree, PE
Environmental Manager
gcrabtree@envirotech-inc.com

Enclosure(s): Field Notes
Analytical Results
Cc: Client File: 92115

ent: COPC

envirotech
(505) 632-0615 (800) 362-1879
5796 U.S. Hwy 64, Farmington, NM 87401

Location No: 92115-1325
C.O.C. No:

ELD REPORT: SPILL CLOSURE VERIFICATION

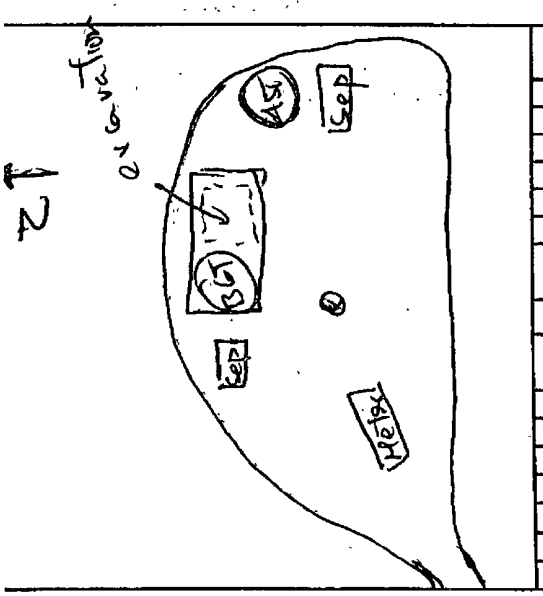
PAGE NO: 1 OF 1
DATE STARTED: 6/10/10
DATE FINISHED: 6/10/10
ENVIRONMENTAL SPECIALIST: Pond

CATION: NAME: San Juan 28-4 WELL #: 36
AD/UNIT: N SEC: 29 TWP: 28N RNG: 4W PM: N.M. CNTY: S.J. ST: N.M.
R/FOOTAGE: 1470'FWL & 700'FSL CONTRACTOR: H&H T

CAVATION APPROX: 33 FT. X 30 FT. X 20 FT. DEEP CUBIC YARDAGE:
POSAL FACILITY: REMEDIATION METHOD:
ND USE: Grazing LEASE: LAND OWNER: Federal
USE OF RELEASE: 45T leak MATERIAL RELEASED:
LL LOCATED APPROXIMATELY: 35 FT. NE FROM Wellhead
PTH TO GROUNDWATER: >200 NEAREST WATER SOURCE: 1546 NEAREST SURFACE WATER: 525
OCD RANKING SCORE: 10 NMOCD TPH CLOSURE STD: 1000 PPM TPH
L AND EXCAVATION DESCRIPTION:
they've milled bedrock in the bottom and south wall before I got there.

AMPLE DESCRIPITION	TIME	SAMPLE I.D.	LAB NO.	WEIGHT (g)	mL FREON	DILUTION	READING	CALC. ppm
	11:30	200STd					149	
orth wall	11:40	N		5	20	x4	28	112
outh wall	11:45	S		"	"	"	64	256
ast wall	11:50	E		"	"	"	12	48
est wall	11:55	W		"	"	"	20	80
Bottom	12:00	B		"	"	"	137	548

SPILL PERIMETER



OVM RESULTS

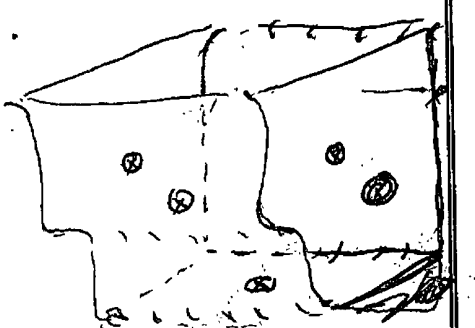
SAMPLE ID	FIELD HEADSPACE PID (ppm)
N	0
S	1701
E	0
W	611
B	1834

LAB SAMPLES

SAMPLE ID	ANALYSIS	TIME

SPILL PROFILE

⊗ sampled points at walls and bottom



AVEL NOTES: CALLED OUT: ONSITE:

30-045-34787

envirotech

CONTINUOUS CALIBRATION
EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Cal. Date: 10-Jun-10

Parameter	Standard Concentration mg/L	Concentration Reading mg/L
TPH	100	
	200	199
	500	
	1000	

The accepted percent relative deviation (%RSD) of the calibration factor is less than 20% over the working range.

Analyst

June 2nd, 2010
Date

René Garcia
Print Name

Review

June 29, 2010
Date

Toni McKnight
Print Name

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EPA METHOD 418.1
TOTAL PETROLEUM HYDROCARBONS

Client:	ConocoPhillips	Project #:	92115-1325
Sample No.:	1	Date Reported:	6/18/2010
Sample ID:	North Wall	Date Sampled:	6/10/2010
Sample Matrix:	Soil	Date Analyzed:	6/10/2010
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	**112**	**5.0**

ND = Parameter not detected at the stated detection limit.

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: **San Juan 28-4 #36**

Instrument calibrated to 200 ppm standard. Zeroed before each sample

Analyst

René Garcia
Printed

Review

Toni McKnight
Printed

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EPA METHOD 418.1
TOTAL PETROLEUM
HYDROCARBONS

Client:	ConocoPhillips	Project #:	92115-1325
Sample No.:	2	Date Reported:	6/18/2010
Sample ID:	South Wall	Date Sampled:	6/10/2010
Sample Matrix:	Soil	Date Analyzed:	6/10/2010
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	**256**	**5.0**

ND = Parameter not detected at the stated detection limit.

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: **San Juan 28-4 #36**

Instrument calibrated to 200 ppm standard. Zeroed before each sample

Analyst

René Garcia
Printed

Review

Toni McKnight
Printed

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EPA METHOD 418.1
TOTAL PETROLEUM HYDROCARBONS

Client:	ConocoPhillips	Project #:	92115-1325
Sample No.:	3	Date Reported:	6/18/2010
Sample ID:	East Wall	Date Sampled:	6/10/2010
Sample Matrix:	Soil	Date Analyzed:	6/10/2010
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	**48**	**5.0**

ND = Parameter not detected at the stated detection limit.

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: **San Juan 28-4 #36**

Instrument calibrated to 200 ppm standard. Zeroed before each sample

Analyst

René Garcia
Printed

Review

Toni McKnight
Printed

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EPA METHOD 418.1
TOTAL PETROLEUM HYDROCARBONS

Client:	ConocoPhillips	Project #:	92115-1325
Sample No.:	4	Date Reported:	6/18/2010
Sample ID:	West Wall	Date Sampled:	6/10/2010
Sample Matrix:	Soil	Date Analyzed:	6/10/2010
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	**80**	**5.0**

ND = Parameter not detected at the stated detection limit.

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: **San Juan 28-4 #36**

Instrument calibrated to 200 ppm standard. Zeroed before each sample

Analyst

René Garcia
Printed

Review

Toni McKnight
Printed

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EPA METHOD 418.1
TOTAL PETROLEUM HYDROCARBONS

Client:	ConocoPhillips	Project #:	92115-1325
Sample No.:	5	Date Reported:	6/18/2010
Sample ID:	Bottom	Date Sampled:	6/10/2010
Sample Matrix:	Soil	Date Analyzed:	6/10/2010
Preservative:	Cool	Analysis Needed:	TPH-418.1
Condition:	Cool and Intact		

Parameter	Concentration (mg/kg)	Det. Limit (mg/kg)
Total Petroleum Hydrocarbons	**548**	**5.0**

ND = Parameter not detected at the stated detection limit.

References: Method 418.1, Petroleum Hydrocarbons, Total Recoverable, Chemical Analysis of Water and Waste, USEPA Storet No. 4551, 1978.

Comments: **San Juan 28-4 #36**

Instrument calibrated to 200 ppm standard. Zeroed before each sample

Analyst

René Garcia
Printed

Review

Toni McKnight
Printed

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Analytical Laboratory

EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	ConocoPhillips	Project #:	92115-1325
Sample ID:	S	Date Reported:	06-14-10
Laboratory Number:	54683	Date Sampled:	06-10-10
Chain of Custody:	9660	Date Received.	06-10-10
Sample Matrix:	Soil	Date Analyzed:	06-11-10
Preservative:	Cool	Date Extracted:	06-10-10
Condition:	Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	**9.9**	**0.9**
Toluene	**55.6**	**1.0**
Ethylbenzene	**11.4**	**1.0**
p,m-Xylene	**106**	**1.2**
o-Xylene	**40.8**	**0.9**
Total BTEX	**224**	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	**100 %**
	1,4-difluorobenzene	**100 %**
	Bromochlorobenzene	**100 %**

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **San Juan 28-4 #36 (hBr)**

Analyst

Review

5796 US Highway 64, Farmington, NM 87401 | Ph (505) 632-0615 Fr (800) 362-1879 Fx (505) 632-1865 lab@envirotech-inc.com envirotech-inc.com

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EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	ConocoPhillips	Project #:	92115-1325
Sample ID:	W	Date Reported:	06-14-10
Laboratory Number:	54684	Date Sampled:	06-10-10
Chain of Custody:	9660	Date Received:	06-10-10
Sample Matrix:	Soil	Date Analyzed:	06-11-10
Preservative:	Cool	Date Extracted:	06-10-10
Condition:	Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	**ND**	**0.9**
Toluene	**31.3**	**1.0**
Ethylbenzene	**5.4**	**1.0**
p,m-Xylene	**141**	**1.2**
o-Xylene	**42.1**	**0.9**
Total BTEX	**220**	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	**102 %**
	1,4-difluorobenzene	**102 %**
	Bromochlorobenzene	**107 %**

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **San Juan 28-4 #36 (hBr)**

Analyst

Review

5796 US Highway 64, Farmington, NM 87401 | Ph (505) 632-0615 Fr (800) 362-1879 Fx (505) 632-1865 lab@envirotech-inc.com envirotech-inc.com

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EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	ConocoPhillips	Project #:	92115-1325
Sample ID:	B	Date Reported:	06-14-10
Laboratory Number:	54685	Date Sampled:	06-10-10
Chain of Custody:	9660	Date Received:	06-10-10
Sample Matrix:	Soil	Date Analyzed:	06-11-10
Preservative:	Cool	Date Extracted:	06-10-10
Condition:	Intact	Analysis Requested:	BTEX

Parameter	Concentration (ug/Kg)	Det. Limit (ug/Kg)
Benzene	**4.4**	**0.9**
Toluene	**110**	**1.0**
Ethylbenzene	**71.0**	**1.0**
p,m-Xylene	**847**	**1.2**
o-Xylene	**173**	**0.9**
Total BTEX	**1,200**	

ND - Parameter not detected at the stated detection limit.

Surrogate Recoveries:	Parameter	Percent Recovery
	Fluorobenzene	**108 %**
	1,4-difluorobenzene	**105 %**
	Bromochlorobenzene	**109 %**

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Method 8021B, Aromatic Volatile Organics, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.

Comments: **San Juan 28-4 #36 (hBr)**

Analyst

Review

5796 US Highway 64, Farmington, NM 87401 | Ph (505) 632-0615 Fr (800) 362-1879 Fx (505) 632-1865 lab@envirotech-inc.com envirotech-inc.com

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EPA METHOD 8021
AROMATIC VOLATILE ORGANICS

Client:	N/A	Project #:	N/A
Sample ID:	0611BBL QA/QC	Date Reported:	06-14-10
Laboratory Number:	54653	Date Sampled:	N/A
Sample Matrix:	Soil	Date Received.	N/A
Preservative:	N/A	Date Analyzed:	06-11-10
Condition:	N/A	Analysis:	BTEX

Calibration and Detection Limits (ug/L)	I-Cal RF:	C-Cal RF:	%Diff. Accept. Range 0 - 15%	Blank Conc	Detect. Limit
Benzene	1.2742E+006	1.2768E+006	0.2%	ND	0.1
Toluene	1.1582E+006	1.1605E+006	0.2%	ND	0.1
Ethylbenzene	1.0439E+006	1.0460E+006	0.2%	ND	0.1
p,m-Xylene	2.5816E+006	2.5868E+006	0.2%	ND	0.1
o-Xylene	9.4446E+005	9.4635E+005	0.2%	ND	0.1

Duplicate Conc. (ug/Kg)	Sample	Duplicate	%Diff.	Accept Range	Detect. Limit
Benzene	7.7	6.0	22.1%	0 - 30%	0.9
Toluene	8.9	8.3	6.7%	0 - 30%	1.0
Ethylbenzene	7.5	6.4	14.7%	0 - 30%	1.0
p,m-Xylene	23.2	22.6	2.6%	0 - 30%	1.2
o-Xylene	14.9	16.3	9.4%	0 - 30%	0.9

Spike Conc. (ug/Kg)	Sample	Amount Spiked	Spiked Sample	% Recovery	Accept Range
Benzene	7.7	50.0	46.6	80.8%	39 - 150
Toluene	8.9	50.0	51.6	87.6%	46 - 148
Ethylbenzene	7.5	50.0	51.3	89.3%	32 - 160
p,m-Xylene	23.2	100	102	82.8%	46 - 148
o-Xylene	14.9	50.0	52.0	80.1%	46 - 148

ND - Parameter not detected at the stated detection limit.

References: Method 5030B, Purge-and-Trap, Test Methods for Evaluating Solid Waste, SW-846, USEPA, December 1996.
Method 8021B, Aromatic and Halogenated Volatiles by Gas Chromatography Using Photoionization and/or Electrolytic Conductivity Detectors, SW-846, USEPA December 1996.

Comments: **QA/QC for Samples 54653, 54659, 54661, 54666, 54676, 54683-54685 and 54598-54599.**

Analyst

Review

5796 US Highway 64, Farmington, NM 87401 | Ph (505) 632-0615 Fr (800) 362-1879 Fx (505) 632-1865 lab@envirotech-inc.com envirotech-inc.com

CHAIN OF CUSTODY RECORD

09660

Client:	Project Name / Location:	ANALYSIS / PARAMETERS
COPC	San Juan 28-4 #36 (lbr)	
Client Address:	Sampler Name: René García Reyes	
Client Phone No.:	Client No.: 92115-1325	

Sample No./ Identification	Sample Date	Sample Time	Lab No.	Sample Matrix	No./Volume of Containers	Preservative HgCl2	Preservative HCl	Preservative Cool	TPH (Method 8015)	BTEX (Method 8021)	VOC (Method 8260)	RCRA 8 Metals	Cation / Anion	RCI	TCLP with H/P	PAH	TPH (418.1)	CHLORIDE				Sample Cool	Sample Intact
S	06/10/10	11:45	54683	(Soil) Sludge Solid Aqueous	4oz			X		X												X	X
W	↓	11:55	54684	(Soil) Sludge Solid Aqueous	↓			X		X												X	X
B	↓	12:00	54685	(Soil) Sludge Solid Aqueous	↓			X		X												X	X
				Soil Sludge Solid Aqueous																			
				Soil Sludge Solid Aqueous																			
				Soil Sludge Solid Aqueous																			
				Soil Sludge Solid Aqueous																			
				Soil Sludge Solid Aqueous																			
				Soil Sludge Solid Aqueous																			
				Soil Sludge Solid Aqueous																			

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	06/10/10	16:20	[signature]	6/10/10	1620
Relinquished by: (Signature)			Received by: (Signature)		
Relinquished by: (Signature)			Received by: (Signature)		

Rush

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Analytical Laboratory

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