

1R - 495

REPORTS

DATE:

10-17-08

Hansen, Edward J., EMNRD

From: Hansen, Edward J., EMNRD
Sent: Friday, October 17, 2008 5:05 PM
To: 'Savoie, Tony'
Subject: RE: Red Byrd Monument (1R-495)

Tony,
Could you please send me a hard copy of your PowerPoint presentation at:

Edward J. Hansen
Oil Conservation Division
EMNRD
1220 S. St. Francis Dr.
Santa Fe, NM 87505

Thanks.

505-476-3489

From: Savoie, Tony [mailto:tony.savoie@sug.com]
Sent: Friday, October 17, 2008 7:37 AM
To: Hansen, Edward J., EMNRD
Subject: RE: Red Byrd Monument

Dear Mr. Hansen

Follow up on our site investigation at the Plains Red Byrd #1 and SUGS Job #2007-019

On 10/1/08 we removed approximately 1 ft. of soil from the bottom of the excavation under our 8" line going east by west approximately 50 ft and north by south approximately 25 ft.

All of the soil has been stockpiled on site.

Soil Samples were collected from the bottom of the excavation starting directly beneath the leak area on our 8" line progressing to the south side of the excavation.

All of the samples were placed in plastic bags and screened with a PID.

The samples that exhibited the highest readings were selected for a BTEX analysis.

Two samples beneath our release point were also selected for a BTEX and Chlorides analysis.

All of the samples collected were analyzed for TPH 8015 GRO-DRO.

Attached is a power point presentation with a site sketch and photos.

The landowner was on-site during most of the excavation and sampling.

The local NMOCD representative was not available.

Plains Pipeline was not on-site.

The lab analysis is also attached

Thanks, Tony

From: Hansen, Edward J., EMNRD [mailto:edwardj.hansen@state.nm.us]
Sent: Wednesday, September 17, 2008 1:48 PM
To: Savoie, Tony
Cc: Price, Wayne, EMNRD; Johnson, Larry, EMNRD
Subject: RE: Red Byrd Monument

Dear Mr. Savoie:

10/17/2008

The New Mexico Oil Conservation Division (OCD) has reviewed the submitted analytical results for the soil samples taken at the "Red Byrd 8-inch – Monument" site. The results indicate that continued investigation is required by Southern Union at this site. Please submit a work plan for further investigation (i.e., below the current depth of the excavation at your pipeline) at the site to the OCD by Friday, October 17, 2008. The work plan should include a generalized plan for corrective action (i.e., contaminated soil removal and disposal).

If you have any question regarding this matter, please call me at 505-476-3489.

Edward J. Hansen
Hydrologist
Environmental Bureau
Oil Conservation Division

From: Savoie, Tony [mailto:tony.savoie@sug.com]
Sent: Thursday, August 28, 2008 6:42 AM
To: Hansen, Edward J., EMNRD
Subject: Red Byrd Monument

We were calling this project #2007-019

We first responded to the release near the monitor well and collected samples at the point of release on 6/8/07

Samples were collected starting at 1 ft. below ground surface. Samples were also collected at 2', 3', 4', 5', 6', 8', 12', and 15'

These samples were collected as we were excavating the area around the monitor well. Reference lab ID 7F08022-01.

We returned and started excavating all of the black carbon discolored soil on 6/11/08.

The excavated soil was sampled for chlorides only on 6/12/07. Reference lab ID 7f13018.

The excavated area was sampled on 6/15/07. Bottom hole and sidewall samples were collected. Reference lab ID 7f15011

During the excavation of the area it was noted that we started digging into oily soil to the south and west side of the excavation.

Photos were taken as the obvious source point was from the south of the excavation where a repair had been made on a 6" crude oil pipeline.

These findings were shown to the landowner and discussed with the environmental personnel working for Plains.

I have attached all of the lab tests.

Thanks,

Tony <<7f15011.pdf>> <<7f08022.pdf>> <<7f13018.pdf>>

10/17/2008

Private and confidential as detailed [here](#). If you cannot access hyperlink, please e-mail sender.

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PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
SOUTHERN UNION GAS SERVICES
ATTN: TONY SAVOIE
P.O. BOX 1226
JAL, NM 88252

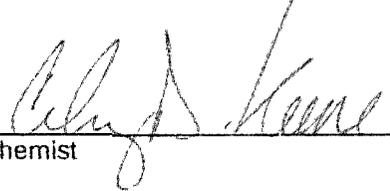
Receiving Date: 10/01/08
Reporting Date: 10/03/08
Project Number: 2007-019
Project Name: BYRD 8"
Project Location: S.W. OF MONUMENT, NM

Sampling Date: 10/01/08
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: ML
Analyzed By: AB

LAB NUMBER SAMPLE ID	GRO	DRO
	(C ₆ -C ₁₀) (mg/kg)	(>C ₁₀ -C ₂₈) (mg/kg)

ANALYSIS DATE	10/02/08	10/02/08
H16018-1 B-1	<25.0	<25.0
H16018-2 B-2	<25.0	<25.0
H16018-3 B-3	<25.0	33.7
H16018-4 B-4	<25.0	28.7
H16018-5 B-5	<25.0	<25.0
H16018-6 B-6	<25.0	<25.0
H16018-7 B-7	<25.0	<25.0
H16018-8 B-8	370	2,030
H16018-9 B-9	<25.0	<25.0
H16018-10 B-10	<25.0	<25.0
H16018-11 B-11	932	3,350
H16018-12 B-12	609	2,050
H16018-13 B-13	376	2,640
H16018-14 B-14	152	1,340
H16018-15 B-16	814	4,010
H16018-16 B-17	817	2,920
H16018-17 B-15	1,290	5,200
Quality Control	542	566
True Value QC	500	500
% Recovery	108	113
Relative Percent Difference	2.5	4.7

METHODS: TPH GRO & DRO: EPA SW-846 8015 M



Chemist

10/3/08

Date

H16018 T SUGS

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P.O. BOX 1226
JAL, NM 88252

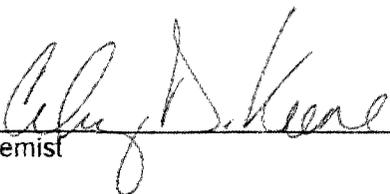
Receiving Date: 10/01/08
Reporting Date: 10/03/08
Project Number: 2007-019
Project Name: BYRD 8"
Project Location: S.W. OF MONUMENT, NM

Sampling Date: 10/01/08
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: ML
Analyzed By: ZL/HM

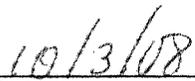
LAB NUMBE	SAMPLE ID	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYL BENZENE (mg/kg)	TOTAL XYLENES (mg/kg)
ANALYSIS DATE		10/02/08	10/02/08	10/02/08	10/02/08
H16018-3	B-3	<0.050	<0.050	<0.050	<0.150
H16018-7	B-7	<0.050	<0.050	<0.050	<0.150
H16018-11	B-11	0.297	0.996	2.49	7.22
H16018-12	B-12	0.075	0.536	1.66	4.57
H16018-16	B-17	0.098	0.580	1.74	5.01
Quality Control		0.053	0.050	0.051	0.164
True Value QC		0.050	0.050	0.050	0.150
% Recovery		106	100	102	109
Relative Percent Difference		5.4	1.2	3.7	2.5

METHODS: BTEX - EPA SW-846-8021B

TEXAS NELAP CERTIFICATION T104704398-08-TX FOR BENZENE, TOLUENE, ETHYL BENZENE,
AND TOTAL XYLENES.



Chemist



Date

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ANALYTICAL RESULTS FOR
SOUTHERN UNION GAS SERVICES
ATTN: TONY SAVOIE
P.O. BOX 1226
JAL, NM 88252

Receiving Date: 10/01/08
Reporting Date: 10/03/08
Project Number: 2007-019
Project Name: BYRD 8"
Project Location: S.W. OF MONUMENT

Analysis Date: 10/02/08
Sampling Date: 10/01/08
Sample Type: SOIL
Sample Received By: ML
Analyzed By: HM

LAB NO.	SAMPLE ID	Cl ⁻ (mg/kg)
H16018-2	B-2	48
H16018-7	B-7	< 16
Quality Control		500
True Value QC		500
% Recovery		100
Relative Percent Difference		< 0.1

METHOD: Standard Methods 4500-Cl⁻B

Note: Analyses performed on 1:4 w:v aqueous extracts.



Chemist

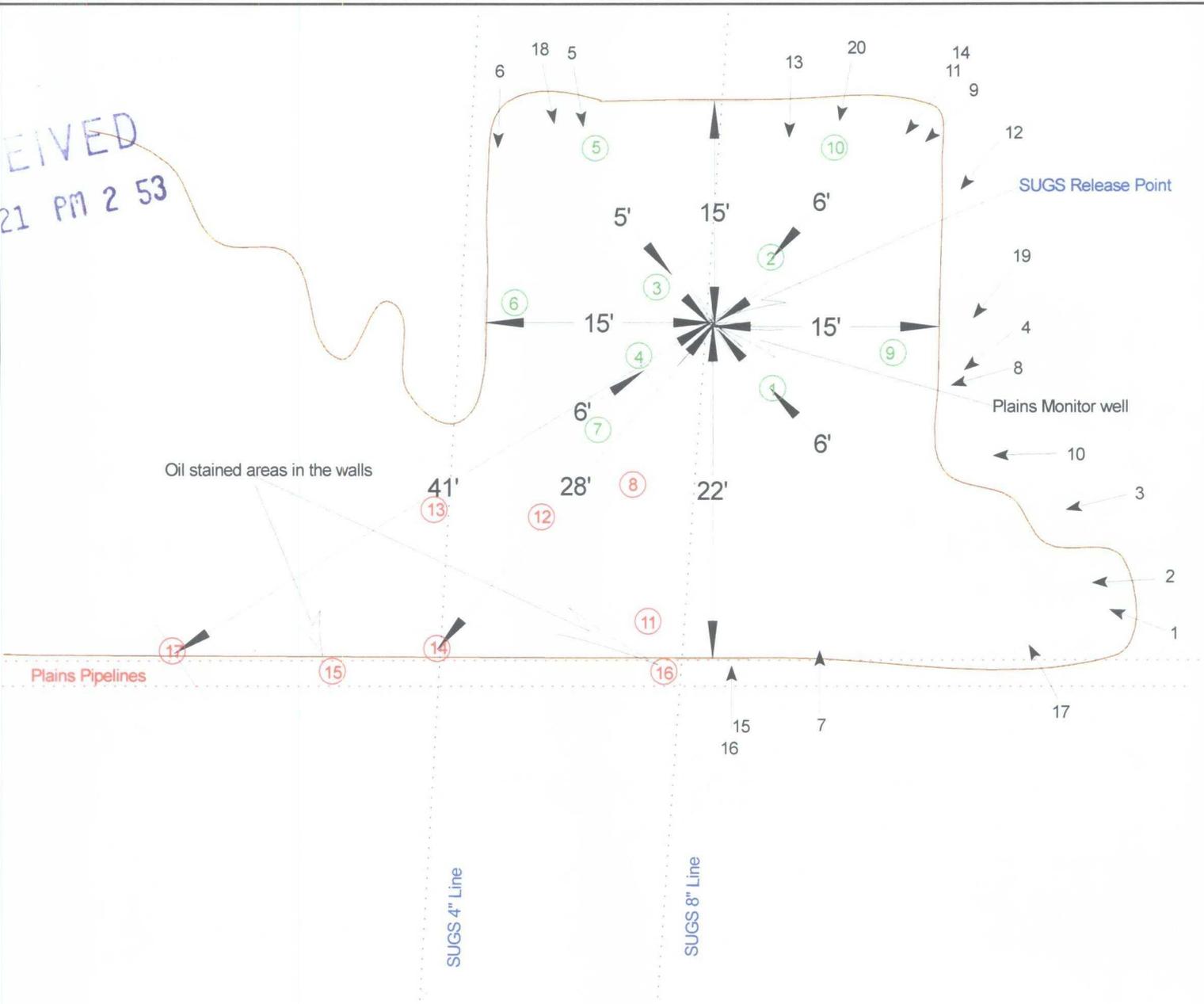
10-03-08

Date

H16018 SUGS

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RECEIVED
 OCT 21 PM 2 53



Soil samples were taken after approximately 1 ft. of soil had been removed from the bottom of the excavation.
 Samples 15 & 16 were taken 2' up from the floor on the South wall
 All of the other samples were taken from the floor of the excavation
 Samples in red exceed the closure level
 Samples in green are below the closure level.

Unit Itr. "H"
 Section 1
 Twns. -20 S
 Range 36E
 County-Lea, N.M.
 GPS
 Lat- 32-36.199N
 Long-103-18.066 W

Approximate
 Scale 1"= 10' **N**

	<h2>Site Plan-Red Byrd 8"</h2>	Job # 2007-019
	Lea County Area Jal, N.M.	Figure 2

Photo 1



Photo 4



Photo 2

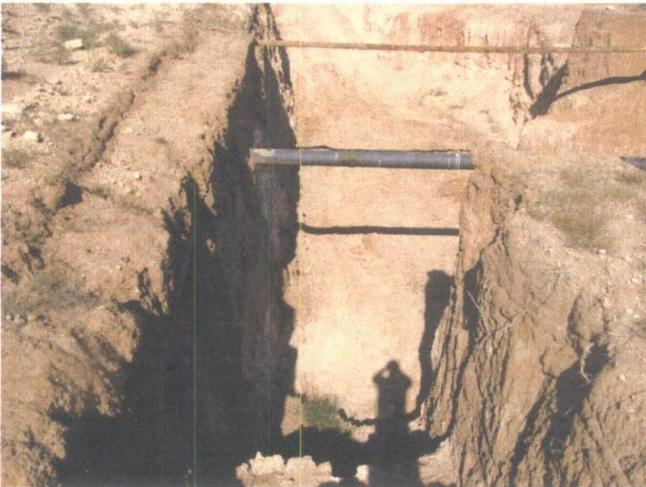


Photo 5



Photo 3



Photo 6



Bed Byrd #1 Photos taken 10/1/08
9:44 a.m. to 9:46 a.m.
Cleaning sediment from Excavation

Photo 7



Photo 10



Photo 8



Photo 11



Photo 9



Photo 12



Bed Byrd #1 Photos taken 10/1/08
11:02a.m. to 11:04 a.m.
Cleaning sediment from
Excavation

Photo 13



Photo 16



Photo 14



Photo 17



Photo 15



Photo 18

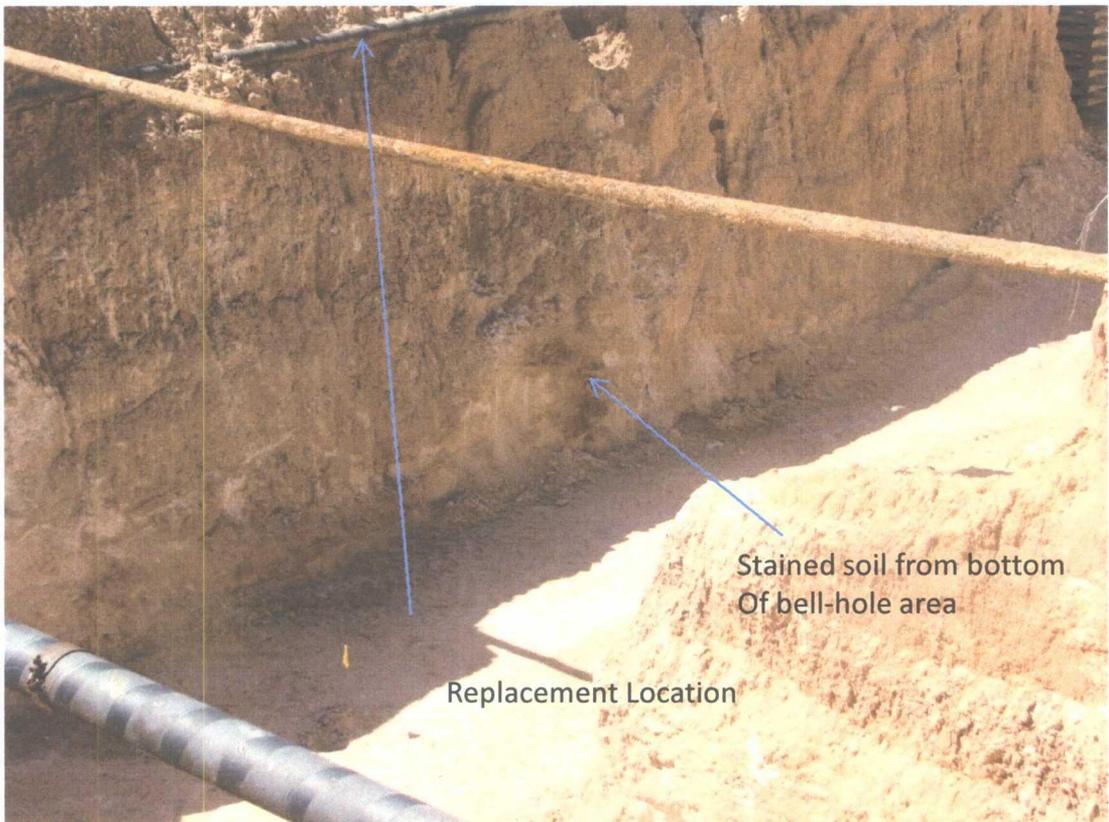


Bed Byrd #1 Photos taken 10/1/08
12:55 p.m. to 12:58 p.m.
During sampling Event

Photo 19



Photo 20



Red Byrd #1 SUGS Job# 2007-019
Photos Taken 12:06 p.m. 10/9/08

Red Byrd 8"
#2007-019

Date Collected	Location	PID P.P.M.	GRO C-6-C10 mg/kg	DRO C10-C28 mg/kg	Total C6-C28 mg/kg	Chloride mg/kg	Benzene mg/kg	Toluene mg/kg	Ethylbenzene mg/kg	Total Xylenes mg/kg
10/1/2008	B-1	9	<25.0	<25.0	<25.0					
10/1/2008	B-2	0	<25.0	<25.0	<25.0	48				
10/1/2008	B-3	7	<25.0	33.7	33.7		<0.050	<0.050	<0.050	<0.150
10/1/2008	B-4	14	<25.0	28.7	28.7					
10/1/2008	B-5	0	<25.0	<25.0	<25.0					
10/1/2008	B-6	8	<25.0	<25.0	<25.0					
10/1/2008	B-7	14	<25.0	<25.0	<25.0	<16	<0.050	<0.050	<0.050	<0.150
10/1/2008	B-8	767	370	2030	2400					
10/1/2008	B-9	0	<25.0	<25.0	<25.0					
10/1/2008	B-10	10	<25.0	<25.0	<25.0					
10/1/2008	B-11	>1000	932	3350	4282		0.297	0.996	2.49	7.22
10/1/2008	B-12	992	609	2050	2659		0.075	0.536	1.66	4.57
10/1/2008	B-13	371	376	2640	3016					
10/1/2008	B-14	290	152	1340	1492					
10/1/2008	B-15	552	1290	5200	6490					
10/1/2008	B-16	>1000	814	4010	4824					
10/1/2008	B-17	>1000	817	2920	3737		0.098	0.580	1.74	5.01

Analytical summary

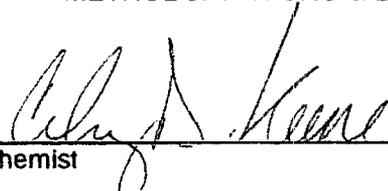
ANALYTICAL RESULTS FOR
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JAL, NM 88252

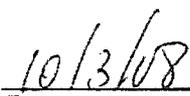
Receiving Date: 10/01/08
Reporting Date: 10/03/08
Project Number: 2007-019
Project Name: BYRD 8"
Project Location: S.W. OF MONUMENT, NM

Sampling Date: 10/01/08
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: ML
Analyzed By: AB

LAB NUMBER	SAMPLE ID	GRO	DRO
		(C ₆ -C ₁₀) (mg/kg)	(>C ₁₀ -C ₂₈) (mg/kg)
ANALYSIS DATE		10/02/08	10/02/08
H16018-1	B-1	<25.0	<25.0
H16018-2	B-2	<25.0	<25.0
H16018-3	B-3	<25.0	33.7
H16018-4	B-4	<25.0	28.7
H16018-5	B-5	<25.0	<25.0
H16018-6	B-6	<25.0	<25.0
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H16018-8	B-8	370	2,030
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H16018-12	B-12	609	2,050
H16018-13	B-13	376	2,640
H16018-14	B-14	152	1,340
H16018-15	B-16	814	4,010
H16018-16	B-17	817	2,920
H16018-17	B-15	1,290	5,200
Quality Control		542	566
True Value QC		500	500
% Recovery		108	113
Relative Percent Difference		2.5	4.7

METHODS: TPH GRO & DRO: EPA SW-846 8015 M


Chemist


Date

H16018 T SUGS



ANALYTICAL RESULTS FOR
 SOUTHERN UNION GAS SERVICES
 ATTN: TONY SAVOIE
 P.O. BOX 1226
 JAL, NM 88252

Receiving Date: 10/01/08
 Reporting Date: 10/03/08
 Project Number: 2007-019
 Project Name: BYRD 8"
 Project Location: S.W. OF MONUMENT, NM

Sampling Date: 10/01/08
 Sample Type: SOIL
 Sample Condition: COOL & INTACT
 Sample Received By: ML
 Analyzed By: ZL/HM

LAB NUMBE	SAMPLE ID	BENZENE (mg/kg)	TOLUENE (mg/kg)	ETHYL BENZENE (mg/kg)	TOTAL XYLENES (mg/kg)
ANALYSIS DATE		10/02/08	10/02/08	10/02/08	10/02/08
H16018-3	B-3	<0.050	<0.050	<0.050	<0.150
H16018-7	B-7	<0.050	<0.050	<0.050	<0.150
H16018-11	B-11	0.297	0.996	2.49	7.22
H16018-12	B-12	0.075	0.536	1.66	4.57
H16018-16	B-17	0.098	0.580	1.74	5.01
Quality Control		0.053	0.050	0.051	0.164
True Value QC		0.050	0.050	0.050	0.150
% Recovery		106	100	102	109
Relative Percent Difference		5.4	1.2	3.7	2.5

METHODS: BTEX - EPA SW-846-8021B

TEXAS NELAP CERTIFICATION T104704398-08-TX FOR BENZENE, TOLUENE, ETHYL BENZENE, AND TOTAL XYLENES.

Cheryl D. Keene
 Chemist

10/3/08
 Date

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JAL, NM 88252

Receiving Date: 10/01/08
Reporting Date: 10/03/08
Project Number: 2007-019
Project Name: BYRD 8"
Project Location: S.W. OF MONUMENT

Analysis Date: 10/02/08
Sampling Date: 10/01/08
Sample Type: SOIL
Sample Condition: COOL & INTACT
Sample Received By: ML
Analyzed By: HM

LAB NO.	SAMPLE ID	Cl ⁻ (mg/kg)
H16018-2	B-2	48
H16018-7	B-7	< 16
Quality Control		500
True Value QC		500
% Recovery		100
Relative Percent Difference		< 0.1

METHOD: Standard Methods	4500-ClB
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Note: Analyses performed on 1:4 w:v aqueous extracts.

Steve L. Marino
Chemist

10-03-08
Date

H16018 SUGS



CARDINAL LABORATORIES
 101 East Marland, Hobbs, NM 88240
 (575) 393-2326 Fax (575) 393-2476

BILL TO				ANALYSIS REQUEST				
Company Name: 54.6.S.		P.O. #:						
Project Manager: TOM SAVOIE		Company:						
Address: 610 COMMARCE RO. Ex 1226		Attn:						
City: JAL		Address:						
State: NM		City:						
Zip: 88252		State:						
Phone #: 575-395-2116		Phone #:						
Fax #: _____		Fax #:						
Project #: 2007-019		Project Owner:						
Project Name: Byrd 8'								
Project Location: SW of Monument								
Sampler Name: Don Green								
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP	# CONTAINERS	MATRIX	PRESERV	SAMPLING	DATE	TIME
H1608-10	B-10	9	1	WASTEWATER	✓	✓	10-1-08	2:30
-11	B-11	9	1	SOIL	✓	✓	"	"
-12	B-12	9	1	SLUDGE	✓	✓	"	"
-13	B-13	9	1	WASTEWATER	✓	✓	"	"
-14	B-14	9	1	SOIL	✓	✓	"	"
-15	B-15	9	1	WASTEWATER	✓	✓	"	"
-16	B-16	9	1	SOIL	✓	✓	"	"
-17	B-17	9	1	WASTEWATER	✓	✓	"	"

Terms and Conditions: Interest will be charged on all accounts more than 30 days past due at the rate of 24% per annum from the original date of invoice, and all costs of collections, including attorney's fees.

Phone Result: No Add'l Phone #:
 Fax Result: No Add'l Fax #:
 REMARKS:

Received By: *Don Green*
 Date: *10-1-08*
 Time: *14:13*
 Received By: *Jeff Kubert*
 Date: _____
 Time: _____

Delivered By: (Circle One)
 Sampler - UPS - Bus - Other: UPS Bus Other

Temp. Sample Condition: Cool Intact Other
 Coag: Yes No No No

CHECKED BY: *MSB*

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476.