

TECHNICAL INFORMATION PAGE



FOR OGCC USE ONLY
Received
8/12/2011
Rifle
COGCC

1. OGCC Operator Number:	10150	API Number:	05-077-09403
2. Name of Operator:	Black Hills Plateau Production	OGCC Facility ID #	
3. Well/Facility Name:	Federal	Well/Facility Number:	35-2
4. Location (QtrQtr, Sec, Twp, Rng, Meridian):	SWSW Sect. 35, T9S R97W, 6th PM		

This form is to be completed whenever a Sundry Notice is submitted requiring detailed report of work to be performed or completed. This form shall be transmitted within 30 days of work completed as a "subsequent" report and must accompany Form 4, page 1.

5. DESCRIBE PROPOSED OR COMPLETED OPERATIONS

Black Hills Plateau Production respectfully requests permission to dispose of uncovered soils from the Federal 35-2 at the licensed disposal facility Black Mountain Disposal, as per conversations onsite between Black Hills Plateau Production's representative Mike Durham, Julia Christiansen of BLM, and Linda Spry-O'Rourke of COGCC on July 5, 2011.

Please see the attached preliminary results lab report for the soils sampled from the Federal 35-2 location.



28-Jun-2011

Kris Rowe
HRL Compliance Solutions
744 Horizon Ct. Suite 140
Grand Junction, CO 81506

Re: **Black Hills Fed 35-2 Pit 11-201**

Work Order: **1106712**

Dear Kris,

ALS Environmental received 4 samples on 25-Jun-2011 10:30 AM for the analyses presented in the following report.

THIS IS A PRELIMINARY REPORT! This report may contain incomplete data or data that has not been fully validated. Caution should be exercised in using the data as final reported results.

If you have any questions regarding these tests results, please fee free to contact me.

Sincerely,

A handwritten signature in cursive script that reads "Ann Preston".

Electronically approved by: Ann Preston

Ann Preston
Project Manager



Certificate No: IL100452

ADDRESS 3352 128th Avenue Holland, Michigan 49424-9263 | PHONE (616) 399-6070 | FAX (616) 399-6185

ALS GROUP USA, CORP Part of the ALS Laboratory Group A Campbell Brothers Limited Company

Environmental ALS

www.alsglobal.com

RIGHT SOLUTIONS RIGHT PARTNER

Client: HRL Compliance Solutions
Project: Black Hills Fed 35-2 Pit 11-201
Work Order: 1106712

Work Order Sample Summary

<u>Lab Samp ID</u>	<u>Client Sample ID</u>	<u>Matrix</u>	<u>Tag Number</u>	<u>Collection Date</u>	<u>Date Received</u>	<u>Hold</u>
1106712-01	Stockpile	Soil		6/23/2011 11:35	6/25/2011 10:30	<input type="checkbox"/>
1106712-02	BKGD 1	Soil		6/23/2011 11:59	6/25/2011 10:30	<input type="checkbox"/>
1106712-03	BKGD 2	Soil		6/23/2011 12:03	6/25/2011 10:30	<input type="checkbox"/>
1106712-04	BKGD 3	Soil		6/23/2011 12:14	6/25/2011 10:30	<input type="checkbox"/>

Client: HRL Compliance Solutions
Project: Black Hills Fed 35-2 Pit 11-201
WorkOrder: 1106712

**QUALIFIERS,
ACRONYMS, UNITS**

<u>Qualifier</u>	<u>Description</u>
*	Value exceeds Regulatory Limit
a	Not accredited
B	Analyte detected in the associated Method Blank above the Reporting Limit
E	Value above quantitation range
H	Analyzed outside of Holding Time
J	Analyte detected below quantitation limit
n	Not offered for accreditation
ND	Not Detected at the Reporting Limit
O	Sample amount is > 4 times amount spiked
P	Dual Column results percent difference > 40%
R	RPD above laboratory control limit
S	Spike Recovery outside laboratory control limits
U	Analyzed but not detected above the MDL

<u>Acronym</u>	<u>Description</u>
DUP	Method Duplicate
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MBLK	Method Blank
MDL	Method Detection Limit
MQL	Method Quantitation Limit
MS	Matrix Spike
MSD	Matrix Spike Duplicate
PDS	Post Digestion Spike
PQL	Practical Quantitation Limit
SD	Serial Dilution
TDL	Target Detection Limit

<u>Units Reported</u>	<u>Description</u>
% of sample	Percent of Sample
µg/Kg-dry	Micrograms per Kilogram Dry Weight
mg/Kg-dry	Milligrams per Kilogram Dry Weight
s.u.	Standard Units

ALS Group USA, Corp

Date: 28-Jun-11

Client: HRL Compliance Solutions
Project: Black Hills Fed 35-2 Pit 11-201
Sample ID: Stockpile
Collection Date: 6/23/2011 11:35 AM

Work Order: 1106712
Lab ID: 1106712-01
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
DIESEL RANGE ORGANICS BY GC-FID			SW8015M		Prep Date: 6/27/2011	Analyst: RM
DRO (C10-C28)	51		4.8	mg/Kg-dry	1	6/28/2011 02:09 AM
<i>Surr: 4-Terphenyl-d14</i>	91.5		39-115	%REC	1	6/28/2011 02:09 AM
GASOLINE RANGE ORGANICS BY GC-FID			SW8015			Analyst: RM
GRO (C6-C10)	ND		5.8	mg/Kg-dry	100	6/27/2011 09:04 PM
<i>Surr: Toluene-d8</i>	104		50-150	%REC	100	6/27/2011 09:04 PM
MERCURY BY CVAA			SW7471		Prep Date: 6/28/2011	Analyst: LR
Mercury	0.021	J	0.021	mg/Kg-dry	1	6/28/2011 04:43 PM
METALS BY ICP-MS			SW6020A		Prep Date: 6/26/2011	Analyst: CES
Arsenic	3.6		0.83	mg/Kg-dry	2	6/27/2011 06:13 PM
Barium	2,400		8.3	mg/Kg-dry	20	6/28/2011 11:18 AM
Cadmium	ND		0.33	mg/Kg-dry	2	6/27/2011 06:13 PM
Chromium	7.5		0.83	mg/Kg-dry	2	6/27/2011 06:13 PM
Copper	9.7		0.83	mg/Kg-dry	2	6/27/2011 06:13 PM
Lead	9.3		0.83	mg/Kg-dry	2	6/27/2011 06:13 PM
Nickel	9.0		0.83	mg/Kg-dry	2	6/27/2011 06:13 PM
Selenium	ND		0.83	mg/Kg-dry	2	6/27/2011 06:13 PM
Silver	ND		0.83	mg/Kg-dry	2	6/27/2011 06:13 PM
Zinc	35		1.7	mg/Kg-dry	2	6/27/2011 06:13 PM
SEMI-VOLATILE ORGANIC COMPOUNDS			SW8270		Prep Date: 6/27/2011	Analyst: CW
Acenaphthene	ND		34	µg/Kg-dry	1	6/27/2011 09:21 PM
Anthracene	ND		34	µg/Kg-dry	1	6/27/2011 09:21 PM
Benzo(a)anthracene	ND		34	µg/Kg-dry	1	6/27/2011 09:21 PM
Benzo(a)pyrene	ND		34	µg/Kg-dry	1	6/27/2011 09:21 PM
Benzo(b)fluoranthene	ND		34	µg/Kg-dry	1	6/27/2011 09:21 PM
Benzo(g,h,i)perylene	ND		34	µg/Kg-dry	1	6/27/2011 09:21 PM
Benzo(k)fluoranthene	ND		34	µg/Kg-dry	1	6/27/2011 09:21 PM
Chrysene	ND		34	µg/Kg-dry	1	6/27/2011 09:21 PM
Dibenzo(a,h)anthracene	ND		34	µg/Kg-dry	1	6/27/2011 09:21 PM
Fluoranthene	ND		34	µg/Kg-dry	1	6/27/2011 09:21 PM
Fluorene	ND		34	µg/Kg-dry	1	6/27/2011 09:21 PM
Indeno(1,2,3-cd)pyrene	ND		34	µg/Kg-dry	1	6/27/2011 09:21 PM
Naphthalene	ND		34	µg/Kg-dry	1	6/27/2011 09:21 PM
Pyrene	ND		34	µg/Kg-dry	1	6/27/2011 09:21 PM
<i>Surr: 2,4,6-Tribromophenol</i>	75.7		34-140	%REC	1	6/27/2011 09:21 PM
<i>Surr: 2-Fluorobiphenyl</i>	62.0		12-100	%REC	1	6/27/2011 09:21 PM
<i>Surr: 2-Fluorophenol</i>	78.0		33-117	%REC	1	6/27/2011 09:21 PM
<i>Surr: 4-Terphenyl-d14</i>	82.1		25-137	%REC	1	6/27/2011 09:21 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

PRELIMINARY

ALS Group USA, Corp

Date: 28-Jun-11

Client: HRL Compliance Solutions
Project: Black Hills Fed 35-2 Pit 11-201
Sample ID: Stockpile
Collection Date: 6/23/2011 11:35 AM

Work Order: 1106712
Lab ID: 1106712-01
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
Surr: Nitrobenzene-d5	78.0		37-107	%REC	1	6/27/2011 09:21 PM
Surr: Phenol-d6	67.7		40-106	%REC	1	6/27/2011 09:21 PM
VOLATILE ORGANIC COMPOUNDS			SW8260			Analyst: AK
Benzene	ND		120	µg/Kg-dry	100	6/27/2011 02:29 PM
Ethylbenzene	ND		120	µg/Kg-dry	100	6/27/2011 02:29 PM
m,p-Xylene	ND		120	µg/Kg-dry	100	6/27/2011 02:29 PM
o-Xylene	ND		120	µg/Kg-dry	100	6/27/2011 02:29 PM
Toluene	ND		120	µg/Kg-dry	100	6/27/2011 02:29 PM
Xylenes, Total	ND		350	µg/Kg-dry	100	6/27/2011 02:29 PM
Surr: 1,2-Dichloroethane-d4	95.7		70-120	%REC	100	6/27/2011 02:29 PM
Surr: 4-Bromofluorobenzene	98.1		75-120	%REC	100	6/27/2011 02:29 PM
Surr: Dibromofluoromethane	94.5		85-115	%REC	100	6/27/2011 02:29 PM
Surr: Toluene-d8	99.0		85-115	%REC	100	6/27/2011 02:29 PM
CHROMIUM, TRIVALENT			CALCULATION			Analyst: EE
Chromium, Trivalent	7.5			mg/L-dry	1	6/28/2011 04:45 PM
CHROMIUM, HEXAVALENT			SW7196A		Prep Date: 6/28/2011	Analyst: MB
Chromium, Hexavalent	ND		0.56	mg/Kg-dry	1	6/28/2011 04:00 PM
MOISTURE			A2540 G			Analyst: JS
Moisture	14		0.050	% of sample	1	6/27/2011 01:42 PM
PH			SW9045D			Analyst: CV
pH	8.34			s.u.	1	6/27/2011 01:45 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

PRELIMINARY

ALS Group USA, Corp

Date: 28-Jun-11

Client: HRL Compliance Solutions
Project: Black Hills Fed 35-2 Pit 11-201
Sample ID: BKGD 1
Collection Date: 6/23/2011 11:59 AM

Work Order: 1106712
Lab ID: 1106712-02
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MOISTURE			A2540 G			Analyst: JS
Moisture	5.7		0.050	% of sample	1	6/27/2011 03:44 PM
PH			SW9045D			Analyst: CV
pH	7.31			s.u.	1	6/27/2011 01:45 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

PRELIMINARY

ALS Group USA, Corp

Date: 28-Jun-11

Client: HRL Compliance Solutions
Project: Black Hills Fed 35-2 Pit 11-201
Sample ID: BKGD 2
Collection Date: 6/23/2011 12:03 PM

Work Order: 1106712
Lab ID: 1106712-03
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MOISTURE			A2540 G			Analyst: JS
Moisture	13		0.050	% of sample	1	6/27/2011 03:44 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

PRELIMINARY

ALS Group USA, Corp

Date: 28-Jun-11

Client: HRL Compliance Solutions
Project: Black Hills Fed 35-2 Pit 11-201
Sample ID: BKGD 3
Collection Date: 6/23/2011 12:14 PM

Work Order: 1106712
Lab ID: 1106712-04
Matrix: SOIL

Analyses	Result	Qual	Report Limit	Units	Dilution Factor	Date Analyzed
MOISTURE			A2540 G			Analyst: JS
Moisture	5.3		0.050	% of sample	1	6/27/2011 03:44 PM

Note: See Qualifiers page for a list of qualifiers and their definitions.

PRELIMINARY



ALS Laboratory Group

225 Commerce Drive, Fort Collins, Colorado 80524
 TF: (800) 443-1511 PH: (970) 490-1511 FX: (970) 490-1522

Chain-of-Custody

WORKORDER #

1106712

Form 202r8

PROJECT NAME		Black Hills Fed 35-2 35-3 Pit		SAMPLER		Jonathon Harris		DATE		6/23/2011		PAGE		1 of 1	
PROJECT No.		11-201		SITE ID				TURNAROUND		SEE COMMENTS		DISPOSAL		By Lab or Return to Client	
COMPANY NAME		HRL COMPLIANCE SOLUTIONS Inc.		EDD FORMAT				TEPH							
SEND REPORT TO		KRIS ROWE		PURCHASE ORDER				TVPH							
ADDRESS		744 HORIZON CT SUITE 140		BILL TO COMPANY				BTEX							
CITY / STATE / ZIP		GRAND JUNCTION CO 81506		INVOICE ATTN TO				SEMI VOLS - PAH							
PHONE		970-243-3271		ADDRESS				TOTAL METALS 910-1							
FAX		970-243-3280		CITY / STATE / ZIP				SAR / EC / PH							
E-MAIL		KROWE@HRLCOMP.COM		PHONE				ARSENIC							
E-MAIL				FAX											
E-MAIL				E-MAIL											
Lab ID	Field ID	Matrix	Sample Date	Sample Time	# Bottles	Pres.	QC	TEPH	TVPH	BTEX	SEMI VOLS - PAH	TOTAL METALS 910-1	SAR / EC / PH	ARSENIC	
01	Stockpile	SO	6/23/2011	11:35	4			X	X	X	X	X	X		- Rush
02	BKGD 1	SO	6/23/2011	11:59	2								X	X	} Std
03	BKGD 2	SO	6/23/2011	12:03	1								X		
04	BKGD 3	SO	6/23/2011	12:14	1								X		

*Time Zone (Circle): EST CST MST PST Matrix: O = oil S = soil NS = non-soil solid W = water L = liquid E = extract F = filter

For metals or anions, please detail analytes below.

Comments: Stockpile = 24 HR BKGD 1-3 = Standard S.B.C	QC PACKAGE (check below)	
	<input type="checkbox"/>	LEVEL II (Standard QC)
	<input type="checkbox"/>	LEVEL III (Std QC + forms)
	<input type="checkbox"/>	LEVEL IV (Std QC + forms + raw data)

Preservative Key: 1-HCl 2-HNO3 3-H2SO4 4-NaOH 5-NaHSO4 7-Other 8-4 degrees C 9-5035

SIGNATURE	PRINTED NAME	DATE	TIME
<i>[Signature]</i>	KRIS ROWE	6/23/2011	17:00
<i>[Signature]</i>	Diane F. Shaw	6/25/11	1030
RELINQUISHED BY			
RECEIVED BY			
RELINQUISHED BY			
RECEIVED BY			
RELINQUISHED BY			
RECEIVED BY			

Ann Preston

From: Kris Rowe [krowe@hrlcomp.com]
Sent: Friday, June 24, 2011 6:21 PM
To: Ann Preston
Subject: Samples

Ann,

We submitted some samples today (Friday) for Saturday delivery and one of the COC's indicated a Project Name of Black Hills Fed 35-3 Pit, can I get that to say Black Hills Fed 35-2 Pit. Sorry about that. We've sent a good majority of our coolers in the past couple of days, would it be possible to get some send back along with some 16 oz wide mouth jars in them?

I hope we aren't slamming you to bad with samples, we have a lot more to send in the next couple of weeks.

Kris Rowe
Environmental Scientist
HRL Compliance Solutions Inc.
970-261-2015
970-243-3271
krowe@hrlcomp.com
www.hrlcomp.com

ALS Group: Click [here](#) to report this email as spam.

6/24/2011



Environmental

Subcontractor:

A & L Great Lakes Agricultural La
3505 Conestoga Dr
Ft. Wayne, IN 46808

TEL: (260) 483-4759
FAX:
Acct #: 91000

CHAIN-OF-CUSTODY RECORD

Date: 25-Jun-11
COC ID: 2969
Due Date 01-Jul-11

Customer Information		Project Information		Parameter/Method Request for Analysis											
Purchase Order		Project Name	1106712	A	Subcontracted Analyses (SUBCONTRACT) <i>SAR-EC</i>										
Work Order		Project Number		B											
Company Name	ALS Group USA, Corp	Bill To Company	ALS Group USA, Corp	C											
Send Report To	Ann Preston	Inv Attn	Accounts Payable	D											
Address	3352 128th Avenue	Address	3352 128th Avenue	E											
				F											
City/State/Zip	Holland, Michigan 49424-9263	City/State/Zip	Holland, Michigan 49424-9263	G											
Phone	(616) 399-6070	Phone	(616) 399-6070	H											
Fax	(616) 399-6185	Fax	(616) 399-6185	I											
eMail Address	ann.preston@alsglobal.com	eMail CC		J											
Sample ID	Matrix	Collection Date 24hr	Bottle	A	B	C	D	E	F	G	H	I	J		
1106712-01C (Stockpile)	Soil	23/Jun/2011 11:35	(1) MISC	X											
1106712-02B (BKGD 1)	Soil	23/Jun/2011 11:59	(1) MISC	X											

Comments:

Please analyze for SAR-EC. Email results to Ann Preston.

Relinquished by: <i>[Signature]</i>	Date/Time: <i>6/27/11</i>	Received by: <i>[Signature]</i>	Date/Time:	Cooler IDs	Report/QC Level
Relinquished by:	Date/Time:	Received by:	Date/Time:		Std

Sample Receipt Checklist

Client Name: **HRL**

Date/Time Received: **25-Jun-11 10:30**

Work Order: **1106712**

Received by: **DS**

Checklist completed by Diane Shaw 25-Jun-11
eSignature Date

Reviewed by: Ann Preston 25-Jun-11
eSignature Date

Matrices: Soil
Carrier name: FedEx

Shipping container/cooler in good condition? Yes No Not Present

Custody seals intact on shipping 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

Temperature(s)/Thermometer(s):

Cooler(s)/Kit(s):

Water - VOA vials have zero headspace? Yes No No VOA vials submitted

Water - pH acceptable upon receipt? Yes No N/A

pH adjusted? Yes No N/A

pH adjusted by:

Login Notes:



Client Contacted: Date Contacted: Person Contacted:

Contacted By: Regarding:

Comments:

CorrectiveAction:

FedEx Express
NEW Package
US Airbill

FedEx
Tracking
Number:

8758 3475 6230

QEC
Quality Environmental Cont
800-255-3950 • 304-255-39

Fed

FedEx Retrieval Copy

1 From
Date 6/23/11 Sender's FedEx Account Number

Sender's Name Kris Rowe Phone 978 242 3829

Company HEL Compliance Solutions Inc

Address 744 Horizon Pt 140

City Grand Junction State CO ZIP 81506

2 Your Internal Billing Reference

3 To Recipient's Name Sample Receiving Phone 616 399-1070

Company ALS Group Laboratory

Address 3352 128th AVE 01 HOLD Weekday FedEx location address REQUIRED. NOT available for FedEx First Overnight.

Address Use this line for the HOLD location address or for continuation of your shipping address. 31 HOLD Saturday FedEx location address REQUIRED. Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.

City Holland State MI ZIP 49424



8758 3475 6230

4 Express Package Service

NOTE: Service order has changed. Please select carefully.

Next Business Day

06 FedEx First Overnight Earliest next business morning delivery to select locations. Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

01 FedEx Priority Overnight Next business morning. Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

05 FedEx Standard Overnight Next business afternoon. Saturday Delivery NOT available.

2 or 3 Business Days

49 NEW FedEx 2Day A.M. Second business morning. Saturday Delivery NOT available.

03 FedEx 2Day Second business afternoon. Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

20 FedEx Express Saver Third business day. Saturday Delivery NOT available.

5 Packaging *Declared value limit \$500.

06 FedEx Envelope* 02 FedEx Pak* 03 FedEx Box 04 FedEx Tube 01 Other

6 Special Handling and Delivery Signature Options

03 SATURDAY DELIVERY

No Signature Required Package may be left without obtaining a signature for delivery.

10 Direct Signature Someone at recipient's address may sign for delivery. Fee applies.

34 Indirect Signature If no one is available at recipient's address, someone at a neighboring address may sign for delivery. For residential deliveries only. Fee applies.

Does this shipment contain dangerous goods? One box must be checked.

No 04 Yes As per attached Shipper's Declaration.

06 Dry Ice Dry ice, 9 UN 1845

Cargo Aircraft Only

7 Payment Bill to:

1 Sender Acct. No. in Section 1 will be billed. 2 Recipient 3 Third Party 4 Credit Card 5 Cash/Check

Total Packages 1 Total Weight 16 lbs. Credit Card Auth.

Your liability is limited to \$100 unless you declare a higher value. See the current FedEx Service Guide for details.

612

fedex.com 1.800.GoFedEx 1.800.463.3339

fedex.com 1.800.GoFedEx 1.800.463.3339

0707 FedEx 158396 REV 3/10
BP 1345-0610