Form 3160-5
(August 2007)

RECEIVED
ELECTRONIC REPORT
JUN 17 2015
BUREAU OF LAND MANAGEMENT

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0135
Expires: July 31, 2010

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

5. Lease Serial No.
751141038

6. If Indian, Allottee or Tribe Name
UTE MOUNTAIN UTE

7. If Unit or CA/Agreement, Name and/or No.

1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other

8. Well Name and No.
HARRIS HAWK 20-1

2. Name of Operator
BRIDGECREEK RESOURCES COLO LLC
Contact: CARLA S GRAVES
E-Mail: cgraves@palomarnr.com

9. API Well No.
30-045-35631-00-S1

3a. Address
405 URBAN STREET, SUITE 400
LAKEWOOD, CO 80228

3b. Phone No. (include area code)
Ph: 303-945-2643

10. Field and Pool, or Exploratory
VERDE GALLUP

4. Location of Well *(Footage, Sec., T., R., M., or Survey Description)*
Sec 20 T31N R14W NWSE 1980FSL 1980FEL
36.884645 N Lat, 108.330312 W Lon

11. County or Parish, and State
SAN JUAN COUNTY, NM

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☒ Notice of Intent	☐ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☐ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☐ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☒ Other
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Bridgecreek Resources (Colorado), L.L.C., submits the attached final pit sampling report prepared by Adkins Consulting, Inc. for the Harris Hawk 20-1 well. The conclusion after examination of results will allow reserve pit closure that is protective of human health and the environment. Bridgecreek Resources (Colorado), L.L.C., is requesting approval to proceed in the reserve pit closure.

OIL CONS. DIV DIST. 3

JUL 09 2015

14. I hereby certify that the foregoing is true and correct.

Electronic Submission #305251 verified by the BLM Well Information System
For BRIDGECREEK RESOURCES COLO LLC, sent to the Durango
Committed to AFMSS for processing by BARBARA TELECKY on 06/22/2015 (15BDT0304SE)

Name *(Printed/Typed)* CARLA S GRAVES — Title REGULATORY ASSISTANT

Signature (Electronic Submission) — Date 06/17/2015

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By — Title MSC — Date 6/24/15

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office TRES RIOS FIELD OFFICE

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ** BLM REVISED ****

NMOCD

32

Adkins Consulting, Inc.
180 E. 12th Street, Suite #5 Durango, CO 81303
(505)793-1140

June 15, 2015

Mr. Ryan Joyner
Bureau of Land Management
Tres Rios Field Office
Land and Minerals
15 Burnett Court
Durango, CO 81301

RE: Reserve Pit Sampling for Closure. Bridgecreek Resources. Harris Hawk 20-1. Sec. 20, T31N.R14W.

Mr. Joyner:

On the behalf of Bridgecreek Resources (Bridgecreek), Adkins Consulting Inc. (ACI) is pleased to submit this report for reserve pit closure sampling.

The reserve pit was sampled by Mr. Andrew Parker and Ms. Sarah Cowley of Adkins Consulting, Inc. on May 27, 2015. Samples were collected for the analysis of constituents listed in the Utu Mountain Ute (UMU) Tribe's "Standards for Spill Clean-up and Reclamation" table and chloride. The UMU Table standards were adopted from the Colorado Oil and Gas Commission's (COGCCs) Table 910-1 located in COGCC's 900 Series Rule.

Sampling Methodology

Per NMOCD Rule 19.15.17, a minimum of five (5) discrete samples are required to compose one composite sample of the reserve pit drill cuttings. We elected to obtain six (6) discrete core samples for better representation of drill cuttings. Three cores samples were collected along the northern edge and 3 core samples along the southern edge (see Exhibit 1). Each core sample was collected using a 2-inch PVC sampler. The core sampler was angled at a 45 degrees and penetrated the drill cuttings approximately 7-feet. The reserve pit contained some standing water from the recent rains (Figure 1).

Figure 1: Reserve pit conditions during sampling.

The 6 core samples were volumetrically folded into a 5-gallon bucket. Gently folding the composite core samples blended the contents into a homogenous mixture while avoiding agitation and volatilization. One composite sample was collected from the 5-gallon bucket and submitted to Hall Environmental Analysis Laboratory (HEAL) for the analysis of constituents listed in the UMU Table and chloride.

We elected to use the background sample used in the mixing ratio for pit closure at Prairie Falcon 19-1 that was collected from the spoil piles during the well pad sampling program. Please refer to our "Well Pad Sampling" reported dated May 12, 2015 for details on the background sample. The Harris-Hawk 20-1 and the Prairie Falcon 19-1 is located on the same geologic unit, Cretaceous-Lewis Shale. The Cliff House Sandstone outcrops to the north. The Pictured Cliff Sandstone outcrops to the south. Sampling the spoil piles to obtain a background sample at the Harris Hawk 20-1 would have been redundant; therefore, we determined additional sampling unnecessary.

Analytical Results and Comparison to Soil Evaluation Values and Calculations

A summary of analytical results are presented in Table 1. The laboratory Certificate of Analysis is located in Appendix A. We compared the results to the UMU Table (December 2007), to the Colorado Soil Evaluation Values (which are the basis of the values in the UMU Table), and NMOCD Rule 19.15.17 for chloride. Constituents exceeding standards are highlighted light red.

The reserve pit composite and the background sample were below UMU table concentrations except for Arsenic and pH (reserve pit sample only). Locally, Arsenic concentration is naturally high as exhibited in the background sample (Spoil Pile). Therefore, Arsenic is not further evaluated. Additionally, pH is also naturally high as shown in the background sample (pH=8.1)

A detailed discussion of constituents exceeding UMU table is presented below. To the right of each constituent listed below is a short explanation demonstrating that constituents that exceed standards are not likely to impair human health and the environment when proper reserve pit closure procedures are followed as outlined in the approved APD.

pH	A mixing ratio of 3 parts clean to 1 part Reserve Pit Composite (3:1 mixing ratio) shows pH concentrations exceed standards by 0.08. pH is important how easily plants intake nutrients in soil. The drill cuttings will be buried 3 to 4 feet below ground surface and capped with native background soil. The drill cuttings will be below the root zone of plants. The 0.08 pH exceedance of the standard will most likely have no impact on revegetation efforts.

To calculate the mixing ratio, we:

1. Multiplied the "Spoil Pile" (clean) concentration by the clean soil mixing ratio. For example, a mixing ratio of "2:1" has a multiplier of "2".
2. Added the clean soil result to the Reserve Pit Composite concentration.
3. Divided by the number of concentrations added in the numerator (mixing ratio plus 1).
4. If the constituent of concentration exhibits non-detect, the laboratory reporting limit was used. This creates a *"worse-case"* scenario for the constituent of concern and is most protective of human health and the environment.

For a mixing ration of 2:1, the equation yields:

$$\frac{(clean\ soil\ X\ 2) + contituent\ of\ concern\ concentraion}{3}$$

Table 2 shows the mixing ratio of 3:1 will slightly exceed UMU Table standards for pH. As discussed in the above section, the mixed drill cuttings is not likely to impair human health and the environment.

Conclusion

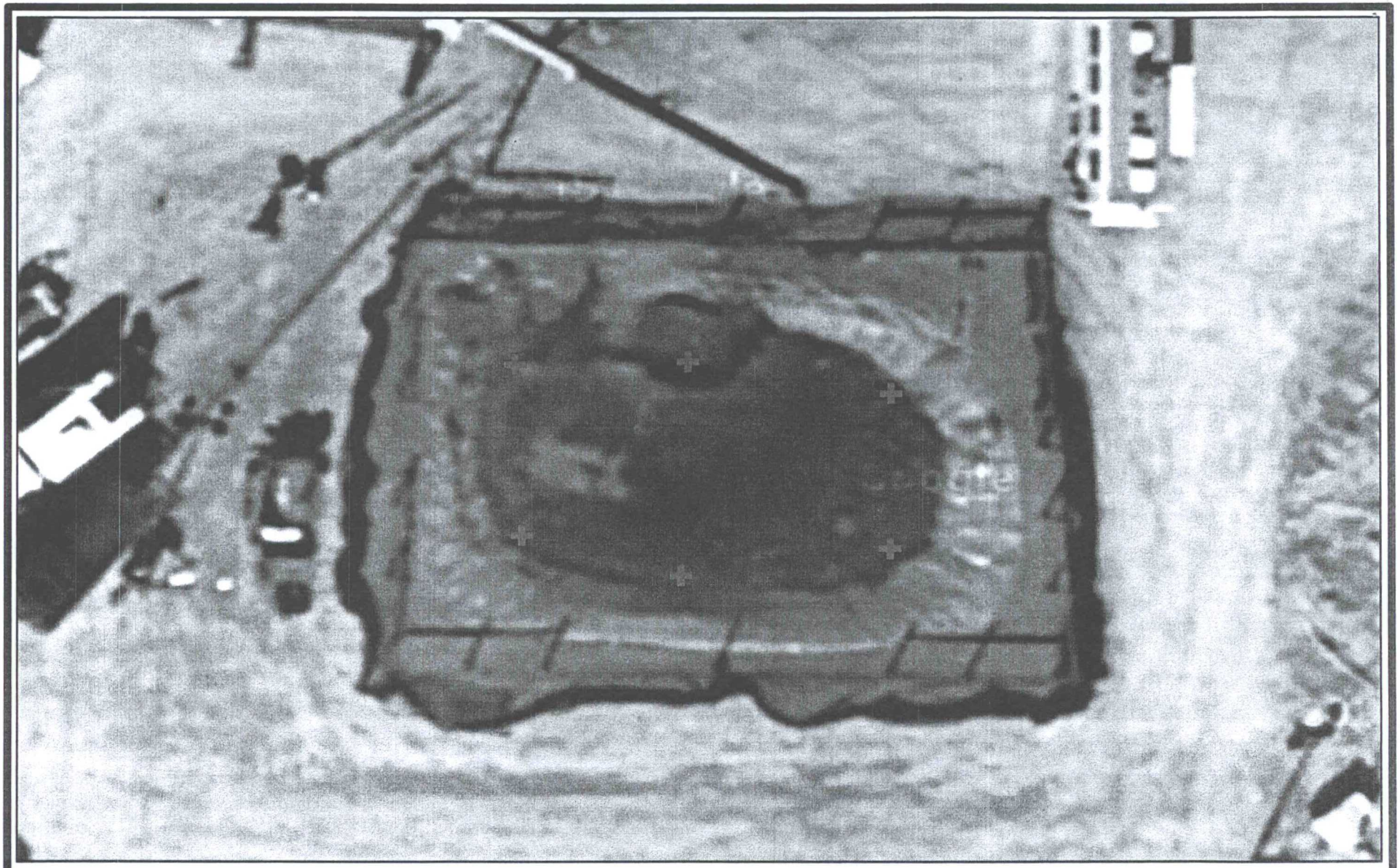
Examination of analytical results and mixing ratios for the reserve pit composite sample, we conclude that mixing clean (Spoil Pile) with drill cuttings is unnecessary except to stabilize drill cuttings for closure. As discussed in the preceding section, a high pH value (the chemical of concern) will be buried three to four feet below ground surface and capped with background soil. Following the closure requirements in the APD and the COA will result in a reserve pit closure that is protective of human health and the environment.

If you have any questions or comments please contact me at 970-570-9535.

Andrew Parker
Adkins Consulting, Inc
Durango, CO
970-570-9535
andrew@adkinsenvironmental.com

Cc: Christine Campbell, Bridgecreek Resources
John Thompson, Walsh Engineering

Exhibits



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Adkins Consulting Inc.
180 East 12th Street
Durango, CO 81303
505-793-1140

Reserve Pit Core Sample Locations

Bridgecreek Resources
Harris Hawk 20-1

Exhibit 1

June 2015

Tables

Table 1: Summary of Analytical Results

Sample ID	Date	DRO (8015D)	MRO (8015D)	GRO (8015D)	TPH(EPA 8015)	Benzene	Toluene	Ethylbenzene	Xylenes (total)
		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Reserve Pit	5/27/2015	170	<49	26	196	0.056	0.19	0.18	0.6
Spoil Pile (Prairie Falcon 19-1)	3/31/2015	<10	<50	<5.0	<65	<0.050	<0.050	<0.050	<0.099
UMU Table (COGCC Table 910-1)					500	0.17	85	100	175
CDPHE-HMWMD/EPA SSLs						5.10	4,700	25	250

Notes:

exceeds guidelines

exceeds EPA SSL Standards

Table 1: Summary of Analytical Results

Sample ID	Date	Chloride	Mercury	Arsenic	Barium	Cadmium	Chromium	Chromium VI	Copper	Lead	Nickel	Selenium	Silver
		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Reserve Pit	5/27/2015	220	0.018	1.6	2800	<0.053	6.3	<2	21	5.1	9.8	<2.9	<0.057
Spoil Pile (Prairie Falcon 19-1)	3/31/2015	23	<0.034	3.8	140	<0.10	7.2	<2	6.2	3.4	7.8	<2.5	<0.25
UMU Table (COGCC Table 910-1)			23	0.39	15,000	70	120,000	23	3,100	400	1,600	390	390
CDPHE-HMWMD/EPA SSLs			35	3.00	22,400	98	180,000	6	4,700	800	2,200	580	580

Notes:

exceeds guidelines

exceeds EPA SSL Standards

Table 1: Summary of Analytical Results

Sample ID	Date	Zinc	pH	Naphthalene	Acenaphthene	Fluorene	Anthracene	Fluoranthene	Pyrene	Benzo(A)anthracene
		mg/kg	–	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Reserve Pit	5/27/2015	24	12	0.23	0.021	<0.0044	<0.0049	<0.0035	<0.0048	<0.0032
Spoil Pile (Prairie Falcon 19-1)	3/31/2015	27	8.1	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
UMU Table (COGCC Table 910-1)		23,000	6-9	23	1,000	1,000	1,000	1,000	1,000	0.22
CDPHE-HMWMD/EPA SSLs		35,000		17	4,500	3,000	23,000	3,000	2,300	2.90

Notes:

exceeds guidelines

exceeds EPA SSL Standards

Table 1: Summary of Analytical Results

Sample ID	Date	Chrysene	Benzo(B)fluoranthene	Benzo(K)floranthene	Benzo(A)pyrene	Dibenzo(A,H)anthracene
		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
Reserve Pit	5/27/2015	<0.0030	<0.0043	<0.0060	<0.0052	<0.0038
Spoil Pile (Prairie Falcon 19-1)	3/31/2015	<0.020	<0.020	<0.020	<0.020	<0.020
UMU Table (COGCC Table 910-1)		22	0.22	2.20	0.022	0.022
CDPHE-HMWMD/EPA SSLs		290	2.90	29.00	0.29	0.290

Notes:

exceeds guidelines

exceeds EPA SSL Standards

Table 1: Summary of Analytical Results

Sample ID	Date	Indeno(1,2,3-cd)pyrene	Sodium Absportion Ratio	Electrical Conductivity	ORP
		mg/kg	--	mmhos/cm	mV
Reserve Pit	5/27/2015	<0.0038	0.38	3.18	26
Spoil Pile (Prairie Falcon 19-1)	3/31/2015	<0.020	5.4	1.32	82
UMU Table (COGCC Table 910-1)		0.22	<12	<4 or 2x background	
CDPHE-HMWMD/EPA SSLs		2.90			

Notes:

exceeds guidelines

exceeds EPA SSL Standards

Table 2: Mixing Ratio

Mixing Ratio	Sample ID	DRO (8015D)	MRO (8015D)	GRO (8015D)	TPH(EPA 8015)	Benzene	Toluene	Ethylbenzene	Xylenes (total)	Chloride	Mercury	Arsenic	Barium
clean:actual		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
1:1	Reserve Pit	90.00	49.50	15.50	155.00	0.05	0.12	0.12	0.35	121.50	0.03	2.70	1470.00
2:1	Reserve Pit	63.33	49.67	12.00	125.00	0.05	0.10	0.09	0.27	88.67	0.03	3.07	1026.67
3:1	Reserve Pit	50.00	49.75	10.25	110.00	0.05	0.09	0.08	0.22	72.25	0.03	3.25	805.00
UMU Table (COGCC Table 910-1)					500	0.17	85	100	175		23	0.39	15,000
NMOCD (Rule 19.15.17)										80,000			
CDPHE-HMWMD/EPA SSLs						5.10	4,700	25	250		35	3	22,400

Notes:
exceeds guidelines
exceeds EPA SSL Standards

Table 2: Mixing Ratio

Mixing Ratio	Sample ID	Cadmium	Chromium	Chromium VI	Copper	Lead	Nickel	Selenium	Silver	Zinc	pH	Naphthalene	Acenaphthene	Fluorene	Anthracene
clean:actual		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	--	mg/kg	mg/kg	mg/kg	mg/kg
1:1	Reserve Pit	0.08	6.75	2.00	13.60	4.25	8.80	2.65	0.15	25.50	10.05	0.13	0.02	0.01	0.01
2:1	Reserve Pit	0.08	6.90	2.00	11.13	3.97	8.47	2.57	0.19	26.00	9.40	0.09	0.02	0.01	0.01
3:1	Reserve Pit	0.09	6.98	2.00	9.90	3.83	8.30	2.53	0.20	26.25	9.08	0.07	0.02	0.02	0.02
UMU Table (COGCC Table 910-1)		70	120,000	23	3,100	400	1,600	390	390	23,000	6-9	23	1,000	1,000	1,000
NMOCD (Rule 19.15.17)															
CDPHE-HMWMD/EPA SSLs		98	180,000	6.30	4,700	800	2,200	580	580	35,000		17	4,500	3,000	23,000

Notes:
exceeds guidelines
exceeds EPA SSL Standards

Table 2: Mixing Ratio

Mixing Ratio	Sample ID	Fluoranthene	Pyrene	Benzo(A)anthracene	Chrysene	Benzo(B)fluoranthene	Benzo(K)fluoranthene	Benzo(A)pyrene	Dibenzo(A,H)anthracene
clean:actual		mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg
1:1	Reserve Pit	0.01	0.01	0.01	0.01	0.01	0.01	0.013	0.012
2:1	Reserve Pit	0.01	0.01	0.01	0.01	0.01	0.02	0.015	0.015
3:1	Reserve Pit	0.02	0.02	0.02	0.02	0.02	0.02	0.016	0.016
UMU Table (COGCC Table 910-1)		1,000	1,000	0.22	22	0.22	2.20	0.022	0.022
NMOCD (Rule 19.15.17)									
CDPHE-HMWMD/EPA SSLs		3,000	2,300	2.90	290	2.90	29	0.29	0.29

Notes:
exceeds guidelines
exceeds EPA SSL Standards

Table 2: Mixing Ratio

Mixing Ratio	Sample ID	Indeno(1,2,3-cd)pyrene	Sodium Absportion Ratio	Electrical Conductivity
clean:actual		mg/kg	--	mmhos/cm
1:1	Reserve Pit	0.01	3	2.25
2:1	Reserve Pit	0.01	4	1.94
3:1	Reserve Pit	0.02	4	1.79
UMU Table (COGCC Table 910-1)		0.22	<12	<4 or 2x background
NMOCD (Rule 19.15.17)				
CDPHE-HMWMD/EPA SSLs		2.9		

Notes:
exceeds guidelines
exceeds EPA SSL Standards

Appendix A

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

June 12, 2015

Andrew Parker
Adkins Consulting Inc
180 E. 12th Street #5
Durango, CO 81303
TEL: (505) 793-1140
FAX

RE: Harris Hawk 20-1 OrderNo.: 1505B78

Dear Andrew Parker:

Hall Environmental Analysis Laboratory received 1 sample(s) on 5/28/2015 for the analyses presented in the following report.

These were analyzed according to EPA procedures or equivalent. To access our accredited tests please go to www.hallenvironmental.com or the state specific web sites. In order to properly interpret your results it is imperative that you review this report in its entirety. See the sample checklist and/or the Chain of Custody for information regarding the sample receipt temperature and preservation. Data qualifiers or a narrative will be provided if the sample analysis or analytical quality control parameters require a flag. When necessary, data qualifers are provided on both the sample analysis report and the QC summary report, both sections should be reviewed. All samples are reported, as received, unless otherwise indicated. Lab measurement of analytes considered field parameters that require analysis within 15 minutes of sampling such as pH and residual chlorine are qualified as being analyzed outside of the recommended holding time.

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

ADHS Cert #AZ0682 -- NMED-DWB Cert #NM9425 -- NMED-Micro Cert #NM0190

Sincerely,

Andy Freeman
Laboratory Manager
4901 Hawkins NE
Albuquerque, NM 87109

Hall Environmental Analysis Laboratory, Inc.

Analytical Report
Lab Order **1505B78**
Date Reported: **6/12/2015**

CLIENT: Adkins Consulting Inc
Project: Harris Hawk 20-1
Lab ID: 1505B78-001 **Matrix:** SOIL

Client Sample ID: Reserve Pit
Collection Date: 5/27/2015 3:30:00 PM
Received Date: 5/28/2015 7:00:00 AM

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 8015D: DIESEL RANGE ORGANICS							Analyst: **KJH**	
Diesel Range Organics (DRO)	170	5.4	9.8		mg/Kg	1	5/29/2015 12:06:18 PM	19441
Motor Oil Range Organics (MRO)	ND	49	49		mg/Kg	1	5/29/2015 12:06:18 PM	19441
Surr: DNOP	101	0	57.9-140		%REC	1	5/29/2015 12:06:18 PM	19441
EPA METHOD 8015D: GASOLINE RANGE							Analyst: **NSB**	
Gasoline Range Organics (GRO)	26	2.9	9.6		mg/Kg	2	5/29/2015 8:16:08 PM	19435
Surr: BFB	134	0	75.4-113	S	%REC	2	5/29/2015 8:16:08 PM	19435
EPA METHOD 8021B: VOLATILES							Analyst: **NSB**	
Benzene	0.056	0.010	0.096	J	mg/Kg	2	5/29/2015 8:16:08 PM	19435
Toluene	0.19	0.0098	0.096		mg/Kg	2	5/29/2015 8:16:08 PM	19435
Ethylbenzene	0.18	0.010	0.096		mg/Kg	2	5/29/2015 8:16:08 PM	19435
Xylenes, Total	0.60	0.031	0.19		mg/Kg	2	5/29/2015 8:16:08 PM	19435
Surr: 4-Bromofluorobenzene	104	0	80-120		%REC	2	5/29/2015 8:16:08 PM	19435
EPA METHOD 300.0: ANIONS							Analyst: **LGT**	
Chloride	220	26	30		mg/Kg	20	6/3/2015 2:33:25 PM	19539
EPA METHOD 7471: MERCURY							Analyst: **MED**	
Mercury	0.018	0.0027	0.031	J	mg/Kg	1	6/2/2015 10:30:15 AM	19476
EPA METHOD 6010B: SOIL METALS							Analyst: **JLF**	
Arsenic	1.6	0.56	4.8	J	mg/Kg	2	6/6/2015 2:56:45 PM	19491
Barium	2800	0.57	1.9		mg/Kg	20	6/4/2015 11:35:50 AM	19491
Cadmium	ND	0.053	0.19		mg/Kg	2	6/6/2015 2:56:45 PM	19491
Chromium	6.3	0.12	0.58		mg/Kg	2	6/6/2015 2:56:45 PM	19491
Copper	21	0.32	0.58		mg/Kg	2	6/6/2015 2:56:45 PM	19491
Lead	5.1	0.21	0.48		mg/Kg	2	6/6/2015 2:56:45 PM	19491
Nickel	9.8	0.25	0.96		mg/Kg	2	6/6/2015 2:56:45 PM	19491
Selenium	ND	2.9	4.8		mg/Kg	2	6/6/2015 2:56:45 PM	19491
Silver	ND	0.057	0.48		mg/Kg	2	6/6/2015 2:56:45 PM	19491
Zinc	24	1.2	4.8		mg/Kg	2	6/6/2015 2:56:45 PM	19491
SAR SOLUBLE CATIONS							Analyst: **JLF**	
Sodium Adsorption Ratio	0.38	0	0			1	6/4/2015 3:06:00 PM	19553
EPA METHOD 8270C: PAHS							Analyst: **DAM**	
Naphthalene	0.23	0.0042	0.020		mg/Kg	1	6/1/2015 12:58:45 PM	19479
Acenaphthene	0.021	0.0031	0.020		mg/Kg	1	6/1/2015 12:58:45 PM	19479
Fluorene	ND	0.0044	0.020		mg/Kg	1	6/1/2015 12:58:45 PM	19479
Anthracene	ND	0.0049	0.020		mg/Kg	1	6/1/2015 12:58:45 PM	19479
Fluoranthene	ND	0.0035	0.020		mg/Kg	1	6/1/2015 12:58:45 PM	19479
Pyrene	ND	0.0048	0.020		mg/Kg	1	6/1/2015 12:58:45 PM	19479

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Hall Environmental Analysis Laboratory, Inc.

CLIENT: Adkins Consulting Inc
Client Sample ID: Reserve Pit
Project: Harris Hawk 20-1
Collection Date: 5/27/2015 3:30:00 PM
Lab ID: 1505B78-001
Matrix: SOIL
Received Date: 5/28/2015 7:00:00 AM

Analyses	Result	MDL	RL	Qual	Units	DF	Date Analyzed	Batch ID
EPA METHOD 8270C: PAHS							Analyst: **DAM**	
Benz(a)anthracene	ND	0.0032	0.020		mg/Kg	1	6/1/2015 12:58:45 PM	19479
Chrysene	ND	0.0030	0.020		mg/Kg	1	6/1/2015 12:58:45 PM	19479
Benzo(b)fluoranthene	ND	0.0043	0.020		mg/Kg	1	6/1/2015 12:58:45 PM	19479
Benzo(k)fluoranthene	ND	0.0060	0.020		mg/Kg	1	6/1/2015 12:58:45 PM	19479
Benzo(a)pyrene	ND	0.0052	0.020		mg/Kg	1	6/1/2015 12:58:45 PM	19479
Dibenz(a,h)anthracene	ND	0.0038	0.020		mg/Kg	1	6/1/2015 12:58:45 PM	19479
Indeno(1,2,3-cd)pyrene	ND	0.0038	0.020		mg/Kg	1	6/1/2015 12:58:45 PM	19479
Surr: Benzo(e)pyrene	85.4	0	32.5-200		%REC	1	6/1/2015 12:58:45 PM	19479
Surr: N-hexadecane	273	0	46.4-117	S	%REC	1	6/1/2015 12:58:45 PM	19479
RESISTIVITY AND EC SOIL							Analyst: **JRR**	
Conductivity	3180	1.00	1.00		µmhos/c	1	5/28/2015 3:58:00 PM	19442

Refer to the QC Summary report and sample login checklist for flagged QC data and preservation information.

Qualifiers:

*	Value exceeds Maximum Contaminant Level.	B	Analyte detected in the associated Method Blank
E	Value above quantitation range	H	Holding times for preparation or analysis exceeded
J	Analyte detected below quantitation limits	ND	Not Detected at the Reporting Limit
O	RSD is greater than RSDlimit	P	Sample pH Not In Range
R	RPD outside accepted recovery limits	RL	Reporting Detection Limit
S	Spike Recovery outside accepted recovery limits		

Wet Chemistry by Method 2580 B-2011

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
	mV				
ORP	26		1	06/01/2015 14:45	WG792462

Wet Chemistry by Method 3060A/7196A

Analyte	Result	Qualifier	RDL	Dilution	Analysis date / time	Batch
	mg/kg		mg/kg			
Chromium,Hexavalent	ND		2.00	1	06/05/2015 04:40	WG793487

Wet Chemistry by Method 9045D

Analyte	Result	Qualifier	Dilution	Analysis date / time	Batch
	su				
pH	12.0		1	06/01/2015 16:10	WG792472

Sample Narrative:

9045D L767991-01 WG792472: 12 at 21.1c

L768158-01 Original Sample (OS) • Duplicate (DUP)

(OS) 06/01/15 14:45 • (DUP) 06/01/15 14:45

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mV	mV		%		%
ORP	110	113	1	2.7		20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 06/01/15 14:45 • (LCSD) 06/01/15 14:45

	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Analyte	mV	mV	mV	%	%	%			%	%
ORP	100	105	105	105	105	90.0-110			0.000	20

Method Blank (MB)

(MB) 06/05/15 04:36

	MB Result	MB Qualifier	MB RDL
Analyte	mg/kg		mg/kg
Chromium,Hexavalent	ND		2.00

L767991-01 Original Sample (OS) • Duplicate (DUP)

(OS) 06/05/15 04:40 • (DUP) 06/05/15 04:40

	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
Analyte	mg/kg	mg/kg		%		%
Chromium,Hexavalent	ND	ND	1	0.00		20

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 06/05/15 04:38 • (LCSD) 06/05/15 04:38

	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	%	%	%			%	%
Chromium,Hexavalent	59.8	49.2	49.8	82.3	83.3	80.0-120			1.21	20

L767991-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) 06/05/15 04:40 • (MS) 06/05/15 04:43 • (MSD) 06/05/15 04:43

	Spike Amount	Original Result	MS Result	MSD Result	MS Rec.	MSD Rec.	Dilution	Rec. Limits	MS Qualifier	MSD Qualifier	RPD	RPD Limits
Analyte	mg/kg	mg/kg	mg/kg	mg/kg	%	%		%			%	%
Chromium,Hexavalent	20.0	1.08	19.9	19.9	99.5	99.5	1	75.0-125			0.000	20

L767945-09 Original Sample (OS) • Duplicate (DUP)

(OS) 06/01/15 16:10 • (DUP) 06/01/15 16:10

Analyte	Original Result	DUP Result	Dilution	DUP RPD	DUP Qualifier	DUP RPD Limits
	su	su		%		%
pH	6.2	6.2	1	0.64		1

Laboratory Control Sample (LCS) • Laboratory Control Sample Duplicate (LCSD)

(LCS) 06/01/15 16:10 • (LCSD) 06/01/15 16:10

Analyte	Spike Amount	LCS Result	LCSD Result	LCS Rec.	LCSD Rec.	Rec. Limits	LCS Qualifier	LCSD Qualifier	RPD	RPD Limits
	su	su	su	%	%	%			%	%
pH	7.84	7.90	7.90	101	101	98.3-102			0.000	20

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1505B78**

12-Jun-15

Client: Adkins Consulting Inc

Project: Harris Hawk 20-1

Sample ID	**MB-19539**	SampType:	**MBLK**		TestCode:	**EPA Method 300.0: Anions**					
Client ID:	**PBS**	Batch ID:	**19539**		RunNo:	**26612**					
Prep Date:	**6/3/2015**	Analysis Date:	**6/3/2015**		SeqNo:	**792250**	Units:	**mg/Kg**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Chloride	ND	1.5									

Sample ID	**LCS-19539**	SampType:	**LCS**		TestCode:	**EPA Method 300.0: Anions**					
Client ID:	**LCSS**	Batch ID:	**19539**		RunNo:	**26612**					
Prep Date:	**6/3/2015**	Analysis Date:	**6/3/2015**		SeqNo:	**792251**	Units:	**mg/Kg**			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Chloride	14	1.5	15.00	0	91.5	90	110				

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH Not In Range
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1505B78**

12-Jun-15

Client: Adkins Consulting Inc

Project: Harris Hawk 20-1

Sample ID **MB-19441**	SampType: **MBLK**	TestCode: **EPA Method 8015D: Diesel Range Organics**
Client ID: **PBS**	Batch ID: **19441**	RunNo: **26483**
Prep Date: **5/28/2015**	Analysis Date: **5/29/2015**	SeqNo: **787162** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	ND	10								
Motor Oil Range Organics (MRO)	ND	50								
Surr: DNOP	11		10.00		106	57.9	140			

Sample ID **1505B78-001AMS**	SampType: **MS**	TestCode: **EPA Method 8015D: Diesel Range Organics**
Client ID: **Reserve Pit**	Batch ID: **19441**	RunNo: **26483**
Prep Date: **5/28/2015**	Analysis Date: **5/29/2015**	SeqNo: **787620** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	210	9.9	49.31	170.0	89.0	42.3	146			
Surr: DNOP	4.7		4.931		95.8	57.9	140			

Sample ID **1505B78-001AMSD**	SampType: **MSD**	TestCode: **EPA Method 8015D: Diesel Range Organics**
Client ID: **Reserve Pit**	Batch ID: **19441**	RunNo: **26483**
Prep Date: **5/28/2015**	Analysis Date: **5/29/2015**	SeqNo: **787621** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	130	9.9	49.26	170.0	-80.9	42.3	146	48.7	28.9	RS
Surr: DNOP	4.8		4.926		97.8	57.9	140	0	0	

Sample ID **LCS-19441**	SampType: **LCS**	TestCode: **EPA Method 8015D: Diesel Range Organics**
Client ID: **LCSS**	Batch ID: **19441**	RunNo: **26483**
Prep Date: **5/28/2015**	Analysis Date: **5/29/2015**	SeqNo: **787632** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Diesel Range Organics (DRO)	49	10	50.00	0	97.3	67.8	130			
Surr: DNOP	5.2		5.000		105	57.9	140			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH Not In Range
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1505B78**

12-Jun-15

Client: Adkins Consulting Inc

Project: Harris Hawk 20-1

Sample ID	MB-19435	SampType:	MBLK		TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	PBS	Batch ID:	19435		RunNo:	26493					
Prep Date:	5/28/2015	Analysis Date:	5/29/2015		SeqNo:	787646	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Gasoline Range Organics (GRO)	ND	5.0									
Surr: BFB	880		1000		87.7	75.4	113				

Sample ID	LCS-19435	SampType:	LCS		TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	LCSS	Batch ID:	19435		RunNo:	26493					
Prep Date:	5/28/2015	Analysis Date:	5/29/2015		SeqNo:	787647	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Gasoline Range Organics (GRO)	25	5.0	25.00	0	98.0	64	130				
Surr: BFB	930		1000		93.4	75.4	113				

Sample ID	1505B78-001AMS	SampType:	MS		TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	Reserve Pit	Batch ID:	19435		RunNo:	26493					
Prep Date:	5/28/2015	Analysis Date:	5/29/2015		SeqNo:	787659	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Gasoline Range Organics (GRO)	57	9.6	24.04	25.59	129	47.9	144				
Surr: BFB	2800		1923		144	75.4	113			S	

Sample ID	1505B78-001AMSD	SampType:	MSD		TestCode:	EPA Method 8015D: Gasoline Range					
Client ID:	Reserve Pit	Batch ID:	19435		RunNo:	26493					
Prep Date:	5/28/2015	Analysis Date:	5/29/2015		SeqNo:	787660	Units:	mg/Kg			
Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual	
Gasoline Range Organics (GRO)	60	9.6	24.06	25.59	144	47.9	144	6.42	29.9	S	
Surr: BFB	3000		1925		155	75.4	113	0	0	S	

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH Not In Range
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1505B78**

12-Jun-15

Client: Adkins Consulting Inc

Project: Harris Hawk 20-1

Sample ID **MB-19435**	SampType: **MBLK**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **PBS**	Batch ID: **19435**	RunNo: **26493**
Prep Date: **5/28/2015**	Analysis Date: **5/29/2015**	SeqNo: **787670** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	ND	0.050								
Toluene	ND	0.050								
Ethylbenzene	ND	0.050								
Xylenes, Total	ND	0.10								
Surr: 4-Bromofluorobenzene	0.96		1.000		95.7	80	120			

Sample ID **LCS-19435**	SampType: **LCS**	TestCode: **EPA Method 8021B: Volatiles**
Client ID: **LCSS**	Batch ID: **19435**	RunNo: **26493**
Prep Date: **5/28/2015**	Analysis Date: **5/29/2015**	SeqNo: **787671** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Benzene	1.1	0.050	1.000	0	107	76.6	128			
Toluene	1.1	0.050	1.000	0	106	75	124			
Ethylbenzene	1.1	0.050	1.000	0	106	79.5	126			
Xylenes, Total	3.2	0.10	3.000	0	106	78.8	124			
Surr: 4-Bromofluorobenzene	1.0		1.000		101	80	120			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH Not In Range
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1505B78**

12-Jun-15

Client: Adkins Consulting Inc

Project: Harris Hawk 20-1

Sample ID **mb-19479**	SampType: **MBLK**	TestCode: **EPA Method 8270C: PAHs**
Client ID: **PBS**	Batch ID: **19479**	RunNo: **26534**
Prep Date: **5/31/2015**	Analysis Date: **6/1/2015**	SeqNo: **788602** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Naphthalene	ND	0.020								
Acenaphthene	ND	0.020								
Fluorene	ND	0.020								
Anthracene	ND	0.020								
Fluoranthene	ND	0.020								
Pyrene	ND	0.020								
Benz(a)anthracene	ND	0.020								
Chrysene	ND	0.020								
Benzo(b)fluoranthene	ND	0.020								
Benzo(k)fluoranthene	ND	0.020								
Benzo(a)pyrene	ND	0.020								
Dibenz(a,h)anthracene	ND	0.020								
Indeno(1,2,3-cd)pyrene	ND	0.020								
Surr: N-hexadecane	1.6		1.460		110	46.4	117			
Surr: Benzo(e)pyrene	0.26		0.3300		80.1	32.5	200			

Sample ID **lcs-19479**	SampType: **LCS**	TestCode: **EPA Method 8270C: PAHs**
Client ID: **LCSS**	Batch ID: **19479**	RunNo: **26534**
Prep Date: **5/31/2015**	Analysis Date: **6/1/2015**	SeqNo: **788603** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Naphthalene	0.28	0.020	0.3300	0	84.1	40.7	111			
Acenaphthene	0.30	0.020	0.3300	0	89.9	41.4	120			
Fluorene	0.31	0.020	0.3300	0	93.7	47	116			
Anthracene	0.30	0.020	0.3300	0	92.3	49.3	114			
Fluoranthene	0.32	0.020	0.3300	0	96.5	54.3	113			
Pyrene	0.24	0.020	0.3300	0	72.3	43.7	118			
Benz(a)anthracene	0.24	0.020	0.3300	0	71.5	43.7	118			
Chrysene	0.22	0.020	0.3300	0	67.3	43.8	108			
Benzo(b)fluoranthene	0.20	0.020	0.3300	0	62.0	46.5	120			
Benzo(k)fluoranthene	0.21	0.020	0.3300	0	64.4	50	111			
Benzo(a)pyrene	0.20	0.020	0.3300	0	61.0	47.8	109			
Dibenz(a,h)anthracene	0.22	0.020	0.3300	0	67.7	57.8	117			
Indeno(1,2,3-cd)pyrene	0.22	0.020	0.3300	0	65.8	46.4	121			
Surr: N-hexadecane	1.6		1.460		111	46.4	117			
Surr: Benzo(e)pyrene	0.27		0.3300		80.5	32.5	200			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH Not In Range
- RL Reporting Detection Limit

QC SUMMARY REPORT

Hall Environmental Analysis Laboratory, Inc.

WO#: **1505B78**

12-Jun-15

Client: Adkins Consulting Inc

Project: Harris Hawk 20-1

Sample ID **MB-19491**	SampType: **MBLK**	TestCode: **EPA Method 6010B: Soil Metals**
Client ID: **PBS**	Batch ID: **19491**	RunNo: **26584**
Prep Date: **6/1/2015**	Analysis Date: **6/3/2015**	SeqNo: **791416** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	ND	2.5								
Barium	ND	0.10								
Cadmium	ND	0.10								
Chromium	ND	0.30								
Copper	ND	0.30								
Lead	ND	0.25								
Nickel	ND	0.50								
Selenium	ND	2.5								
Silver	ND	0.25								
Zinc	ND	2.5								

Sample ID **LCS-19491**	SampType: **LCS**	TestCode: **EPA Method 6010B: Soil Metals**
Client ID: **LCSS**	Batch ID: **19491**	RunNo: **26584**
Prep Date: **6/1/2015**	Analysis Date: **6/3/2015**	SeqNo: **791417** Units: **mg/Kg**

Analyte	Result	PQL	SPK value	SPK Ref Val	%REC	LowLimit	HighLimit	%RPD	RPDLimit	Qual
Arsenic	24	2.5	25.00	0	97.3	80	120			
Barium	24	0.10	25.00	0	95.0	80	120			
Cadmium	24	0.10	25.00	0	96.2	80	120			
Chromium	24	0.30	25.00	0	96.2	80	120			
Copper	25	0.30	25.00	0	100	80	120			
Lead	24	0.25	25.00	0	95.6	80	120			
Nickel	24	0.50	25.00	0	95.5	80	120			
Selenium	24	2.5	25.00	0	94.5	80	120			
Silver	4.9	0.25	5.000	0	97.9	80	120			
Zinc	24	2.5	25.00	0	96.7	80	120			

Qualifiers:

- * Value exceeds Maximum Contaminant Level.
- E Value above quantitation range
- J Analyte detected below quantitation limits
- O RSD is greater than RSDlimit
- R RPD outside accepted recovery limits
- S Spike Recovery outside accepted recovery limits
- B Analyte detected in the associated Method Blank
- H Holding times for preparation or analysis exceeded
- ND Not Detected at the Reporting Limit
- P Sample pH Not In Range
- RL Reporting Detection Limit

HALL ENVIRONMENTAL ANALYSIS LABORATORY

Hall Environmental Analysis Laboratory
4901 Hawkins NE
Albuquerque, NM 87109
TEL: 505-345-3975 FAX: 505-345-4107
Website: www.hallenvironmental.com

Sample Log-In Check List

Client Name: ADKINS CONSULTING I Work Order Number: 1505B78 RcptNo: 1

Received by/date: [illegible] 05/28/15

Logged By: Ashley Gallegos 5/28/2015 7:00:00 AM

Completed By: Ashley Gallegos 5/28/2015 7:38:07 AM

Reviewed By: AT 05/28/15

Chain of Custody

1. Custody seals intact on sample bottles?	Yes ☐	No ☐	Not Present ☑
2. Is Chain of Custody complete?	Yes ☑	No ☐	Not Present ☐
3. How was the sample delivered?	Courier		

Log In

4. Was an attempt made to cool the samples?	Yes ☑	No ☐	NA ☐
5. Were all samples received at a temperature of >0° C to 6.0°C	Yes ☑	No ☐	NA ☐
6. Sample(s) in proper container(s)?	Yes ☑	No ☐	
7. Sufficient sample volume for indicated test(s)?	Yes ☑	No ☐	
8. Are samples (except VOA and ONG) properly preserved?	Yes ☑	No ☐	
9. Was preservative added to bottles?	Yes ☐	No ☑	NA ☐
10. VOA vials have zero headspace?	Yes ☐	No ☐	No VOA Vials ☑
11. Were any sample containers received broken?	Yes ☐	No ☑	
12. Does paperwork match bottle labels? (Note discrepancies on chain of custody)	Yes ☑	No ☐	# of preserved bottles checked for pH: (<2 or >12 unless noted)
13. Are matrices correctly identified on Chain of Custody?	Yes ☑	No ☐	Adjusted?
14. Is it clear what analyses were requested?	Yes ☑	No ☐	
15. Were all holding times able to be met? (If no, notify customer for authorization.)	Yes ☑	No ☐	Checked by:

Special Handling (if applicable)

16. Was client notified of all discrepancies with this order? Yes ☐ No ☐ NA ☑

Person Notified: _____ Date _____

By Whom: _____ Via: ☐ eMail ☐ Phone ☐ Fax ☐ In Person

Regarding: _____

Client Instructions: _____

17. Additional remarks:

18. Cooler Information

Cooler No	Temp °C	Condition	Seal Intact	Seal No	Seal Date	Signed By
1	1.7	Good	Yes			

Chain-of-Custody Record

ent: Adkins Consulting

ailing Address: on-file

one #: 970-570-9535

ail or Fax#: andrew@adkinsenvironmental.com

QC Package: Standard ☐ Level 4 (Full Validation)

creditation: NELAP ☐ Other

EDD (Type)

Turn-Around Time: ☒ Standard ☐ Rush

Project Name: Harris Hawk 20-1

Project #:

Project Manager: Andrew Parker

Sampler: Andrew Parker

On Ice: ☒ Yes ☐ No

Sample Temperature: 1.7

HALL ENVIRONMENTAL ANALYSIS LABORATORY

www.hallenvironmental.com

4901 Hawkins NE - Albuquerque, NM 87109

Tel. 505-345-3975 Fax 505-345-4107

Date	Time	Matrix	Sample Request ID	Container Type and #	Preservative Type	HEAL No. 1505878
5/27	15:30	SOIL	Reserve Pit	8oz JAR#3	ICE	-001

Analysis Request

BTEX + MTBE + TMB's (8021)	BTEX + MTBE + TPH (Gas only)	TPH 8015B (GRO / DRO / MRO)	TPH (Method 418.1)	EDB (Method 504.1)	PAH's (8310 or 8270 SIMS)	RCRA 8 Metals	Anions (F,Cl,NO_3,NO_2,PO_4,SO_4)	8081 Pesticides / 8082 PCB's	8260B (VOA)	8270 (Semi-VOA)	910.1 Table				Air Bubbles (Y or N)
											X				

Date:	Time:	Relinquished by:	Received by:	Date	Time
5/27/15	1641			5/27/15	1641
Date:	Time:	Relinquished by:	Received by:	Date	Time
5/27/15	1745			05/28/15	0700

Remarks:

Samples submitted to Hall Environmental may be subcontracted to other accredited laboratories. This serves as notice of the possibility. Any sub-contracted data will be clearly notated on the analytical report.